



Ministry of Environment and Energy
National Environmental Research Institute

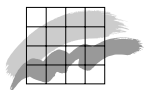
Emission Inventories

Denmark's National Inventory Report

Submitted under the United Nations Framework
Convention on Climate Change, 1990-1999

Research Notes from NERI No. 149

[Blank page]



Ministry of Environment and Energy
National Environmental Research Institute

Emissions Inventories

Denmark's National Inventory Report

Submitted under the United Nations Framework
Convention on Climate Change 1990-1999

Research Notes from NERI No. 149
April 2001

Jytte Boll Illerup
Erik Lyck
Morten Winther
Department of Policy Analysis

Data sheet

Title:	Denmark's National Inventory Report – Submitted under the United Nations Framework Convention on Climate Change, 1990-1999
Subtitle:	Emissions Inventories
Authors:	Jytte Boll Illerup, Erik Lyck, Morten Winther
Department:	Department of Policy Analysis
Serial title and no.:	Research Notes from NERI no 149
Publisher:	Ministry of Environment and Energy National Environmental Research Institute©
URL:	http://www.dmu.dk
Date of publication:	June 2001
Layout:	Ann-Katrine Holme Christoffersen
Please cite as:	Illerup, J. B., Lyck E. & Winther M. 2001. Denmark's National Inventory Report – Submitted under the United Nations Framework Convention on Climate Change 1990-1999. Emissions Inventories. National Environmental Research Institute, Denmark. 675 p. Research Notes from NERI no 149. Reproduction is permitted provided the source is explicitly acknowledged.
Abstract:	This report is Denmark's National Inventory Report reported to the Conference of the Parties under the United Nations Framework Convention on Climate Change (UNFCCC) due by 15 April 2001. The report contains information on Denmark's inventories for all years' from 1990 to 1999 for CO ₂ , CH ₄ , N ₂ O, CO, NMVOC, SO ₂ , HFCs, PFCs and SF ₆ .
Keywords:	Emissions Inventory; UNFCCC; IPCC; CO ₂ ; CH ₄ ; N ₂ O; HFCs; PFCs; SF ₆
Editing completed:	April 2001
ISSN (electronic):	1399-9346
Number of pages:	675
Internet-version:	The report is only available as a PDF-file from NERI's homepage

Contents

Introduction

- (a) The annual inventory information 1990-1999
- (b) Database information
- (c) Methodologies
- (d) References regarding methodologies, emission factors and activity data
- (e) Assumptions underlying the emission and removal estimates
- (f) Feedstocks and bunkers
- (g) Recalculations
- (h) Uncertainties
- (i) Information on quality assurance/quality control (QA/QC)
- (j) Changes with respect to the previous years

Appendix 1:

1.1 Denmark's annual emission inventories 1990 – 1999 to the Climate Convention in CRF

1.2 Total emissions for Denmark, Greenland and the Faroe Islands

Appendix 2:

2.1 Emission inventory for 1990 with CO₂ emissions adjusted for electricity exchange

2.2 Data for the assessment of progress towards Denmark's target under the EU Burden Sharing Agreement

2.3 Emission trends 1990-1999 adjusted for electricity exchange and inter-annual temperature variations

Appendix 3: Information on Greenland and the Faroe Islands

Appendix 4: Emission factors used for fuel combustion

Appendix 5: Methodology regarding removals by sinks

[Blank page]

Introduction

According to decision 3/CP.5 taken under the United Nations Framework Convention on Climate Change (UNFCCC) by the Conference of the Parties at its fifth session in November 1999, including the adoption of UNFCCC REPORTING GUIDELINES ON ANNUAL INVENTORIES contained in the document FCCC/CP/1999/7, each developed country Party to the Convention shall annually submit to the Conference of the Parties, through the secretariat, a national inventory report containing detailed and complete information on their inventories for all years from the base year to the year of the current annual inventory submission, in order to ensure the transparency of the inventory.

This report is Denmark's National Inventory Report due by 15 April 2001. The report contains information on Denmark's inventories for all years from 1990 to 1999.

According to the UNFCCC REPORTING GUIDELINES ON ANNUAL INVENTORIES the following issues are addressed in the report:

- (a) The annual inventory information 1990-1999
- (b) Database information
- (c) Methodologies
- (d) References regarding methodologies, emission factors and activity data
- (e) Assumptions underlying the emission and removal estimates
- (f) Feedstocks and bunkers
- (g) Recalculations
- (h) Uncertainties
- (i) Information on quality assurance/quality control (QA/QC)
- (j) Changes with respect to the previous years

The report contains the following appendices:

- Appendix 1: 1.1 Denmark's annual emission inventories 1990 – 1999 to the Climate Convention in CRF
- 1.2 Total emissions for Denmark, Greenland and the Faroe Islands.
- Appendix 2: 2.1 Emission inventory for 1990 with CO₂ emissions adjusted for electricity exchange
- 2.2 Data for the assessment of progress towards Denmark's target under the EU Burden Sharing Agreement
- 2.3 Emission trends 1990-1999 adjusted for electricity exchange and inter-annual temperature variations
- Appendix 3: Information on Greenland and the Faroe Islands
- Appendix 4: Emission factors used for fuel combustion
- Appendix 5: Methodology regarding removals by sinks

(a) The annual inventory information 1990 - 1999

The annual emission inventories for Denmark for 1990 to 1999 are given in Appendix 1.1 and includes tables in CRF for each year.

For 1990-1999 the following CRF-tables are completed:

- Table 1: Sectoral report for energy
A: Fuel combustion activities
B: Fugitive emissions from fuels
Memo Items
- Table 1.A(a): Sectoral background data for energy
- Table 1.B.1: Sectoral background data for energy
- Table 1.B.2: Sectoral background data for energy
- Table 1.C: Sectoral background data for energy
- Table 2(I): Sectoral report for industrial processes
A: Mineral production
B: Chemical industry
C: Metal production
D: Other production
F: Consumption of halocarbons and sulphur hexafluoride
- Table 2(I): Sectoral background data for industrial processes
- Table 2(II): Sectoral report for industrial processes – emissions of HFCs, PFCs and SF₆
- Table 2(II): Sectoral background data for industrial processes
- Table 3: Sectoral report for solvent and other product use
- Table 4: Sectoral report for agriculture
A: Enteric fermentation
B: Manure management
D: Agricultural soils
- Table 4: Sectoral background data for agriculture
- Table 5: Sectoral report for land-use change and forestry
A: Changes in forests and other woody biomass stocks
- Table 6: Sectoral report for waste
A: Solid waste disposal on land
- Table 6: Sectoral background data for waste
- Table 8: Recalculation – Recalculated data
- Summary 1.A: Summary report for national greenhouse gas inventories (IPCC table 7A)
- Summary 1.B: Summary report for national greenhouse gas inventories (IPCC table 7B)
- Summary 2: Summary report for CO₂ equivalent emissions

Additionally for 1999 the following tables are completed:

Table 10: Emissions trends

Geographic coverage

According to the instrument of ratification the Danish government has ratified the UN Framework Convention on Climate Change on behalf of Denmark, Greenland and the Faroe Islands. Appendix 1.2 contains total emissions for Denmark, Greenland and the Faroe Islands for 1990 to 1999. However, it has not been possible to present a complete inventory in CRF. In Appendix 3 information on the Greenland and the Faroe Islands inventories are given. Apart from Appendix 1.2 and 3 the information in this report only relate to Denmark.

Data for assessment of progress towards Denmark's target under the EU Burden Sharing Agreement

Appendix 2.1 contains the 1990 inventory with CO₂ emissions adjusted for electricity exchange. Denmark's base year under the EU Burden Sharing Agreement is made by adding these 1990 data on CO₂, CH₄ and N₂O to the 1995 data on HFCs, PFCs and SF₆. For the purpose of assessment of progress towards Denmark's target under the EU Burden Sharing Agreement appendix 2.2 contains a table with these key data.

Data for assessment of progress in the implementation of policies and measures with an effect on the national energy consumption

For the purpose of assessment of progress in the implementation of policies and measures with an effect on the national energy consumption and in accordance with the UNFCCC REPORTING GUIDELINES ON ANNUAL INVENTORIES appendix 2.3 contains a table with GHG trend data 1990-1999 with CO₂ emissions and Totals adjusted for both electricity exchange and inter-annual temperature variations.

(b) Database information

The emission inventory tables are made from the Danish CORINAIR-database (Illerup et al., 2001), and detailed information on the emission factors and activity data can be made available in an electronic copy on request. In Appendix 4 tables with emission factors used for fuel combustion in the 1990 and 1999 emission inventories, are shown.

The Danish databases are stored in Access 7 and are handled with software developed by the European Environmental Agency. For data handling the software tool is CollectER (Pulles et al., 1999a) and for the CRF reporting the software tool is ReportER (Pulles et al., 1999b).

(c) Methodologies

The general methodology

Denmark's air emission inventories are based on the CORINAIR methodology. CORINAIR (COoRdination of Information on AIR emissions) is the most extensive European air emission inventory programme for national sector-wise emission estimations harmonised with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories (Houghton et al., 1997). To ensure estimates as timely, consistent, transparent, accurate and comparable as possible, the inventory programme has developed calculation methodologies for most sub-sectors and software for storing and further data processing (Richardson, S. (Ed), 1999).

A thorough description of the CORINAIR inventory programme used for Danish emission estimations is given in (Illerup et al., 2000). The CORINAIR calculation principle is to calculate the emissions as activities times emission factors. Activities are numbers referring to a specific process generating emissions, while an emission factor is the mass of emissions per unit activity. Information on activities to carry out the CORINAIR inventory is mainly based on official statistics. The most consistent emission factors have been used, either as measured values or default factors proposed by the CORINAIR methodology.

The CORINAIR part dealing with emissions from road transportation has been calculated as described in Illerup et al., 2000 by using the COPERT II model developed under the EU/EEA.

A list of all sub-sectors on the most detailed level is given in Illerup et al., 2000. Incorporated in the CORINAIR software is a feature to serve the specific UNFCCC and UNECE convention needs for emission reporting. The translation between CORINAIR and IPCC codes for sector classifications are listed in Illerup et al, 2000.

The CORINAIR methodology is the general methodology used. Some parts of the underlying methodologies are taken directly from the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories and some parts have been elaborated to reflect better national circumstances in accordance with the underlying principles of these guidelines. Below, some of these underlying methodologies are mentioned.

The specific methodology regarding HFCs, PFCs and SF₆

The data for the emissions and the potential emissions of HFCs, PFCs and SF₆ are based on work carried out by the Danish company COWIconsult (The Danish Environmental Protection Agency: Miljøprojekt, 580, 2001). The methodology in the Revised 1996 IPCC Guidelines has been used. Besides the report, personal communication with the author of the report has been used to elucidate data in the report in a more detailed and disaggregated manner.

The specific methodology regarding removals by sinks

Regarding removals by sinks the methodology is also based on the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. So far, only sequestration in forests is taken into account in the Danish inventory. [Appendix 5](#) contains more information on the methodology used.

The specific methodologies regarding adjustments

In the UNFCCC REPORTING GUIDELINES ON ANNUAL INVENTORIES Parties are encouraged to give information on application of adjustments as it is regarded as important information in relation to the monitoring of emission and removal trends and the performance of national policies and measures.

In Appendix 2 the application of adjustments is reported separately. The methodologies followed are described in Illerup et al. (2000).

(d) References regarding methodologies, emission factors and activity data

The documentation on the CORINAIR methodology can be obtained from the "Joint EMEP/CORINAIR Atmospheric Emission Inventory Guidebook, Second edition (Richardson, S. (Ed), 1999). The documentation on the COPERT II is given in Ahlvik et al. (1997).

Regarding removals by sinks the methodology the reference is the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.

Regarding activity data the references are national statistics e.g. on energy and agriculture as well as data on production (e.g. cement) and consumption (e.g. F-gases)

obtained from directly producers and consumers. In some of the appendices specific references related to the subject dealt with in the appendix are given.

Regarding emission factors the references are mainly the Joint EMEP/CORINAIR Atmospheric Emission Inventory Guidebook mentioned above and the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. In some few cases data on the emissions are coming directly from measurements instead of calculations from emission factors.

(e) Assumptions underlying the emission and removal estimates

The assumptions underlying the emission and removal estimates are in general related to the emission factors chosen and activity data used. Information on the emission factors chosen and activity data used is given above and in the CRF.

(f) Feedstocks and bunkers

Feedstocks

The Danish energy statistics, which are used as activity data in the emission inventory calculations, do not include feedstocks and neither do the emission inventory then. However, emissions from some of the products produced on the basis of feedstocks are taken into account e.g. emissions from the use of solvents and from incineration of plastic in municipal waste (Illerup et al., 2000).

Bunkers

In the Danish emission inventories presented in the CRF the distinction between domestic marine and aviation emissions, which are to be included in the national totals, and international bunker emissions, is made in accordance with the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories. This means that domestic marine and aviation emissions are emissions that are coming from the transportation between two national harbours or airports. However, a minor part of the present international bunker emissions is actually emissions coming from transportation between Denmark and Greenland and between Denmark and the Faroe Islands. These emissions should be included in the national totals due to the circumstances mentioned under (a). This issue will be further elaborated in the near future.

(g) Recalculations

Since the submission of Denmark's National Inventory Report for 1998 (Illerup et al. 2000) to the UNFCCC the following main changes to the Danish emission inventories have been carried out:

Road Traffic: Road traffic emissions are estimated with the European COPERT model (version II) (Ahlvik et al., 1997) using Danish energy statistics to outbalance fuel calculated and fuel sold. In the model the vehicle fleet is grouped in categories according to overall vehicle type, fuel type, emission legislation level and engine size or gross vehicle weight, respectively. Emission factors are incorporated in the model, while fleet and traffic data are obtained from the Danish Road Directorate. For each vehicle category hot emissions are calculated as an emission factor times the annual mileage driven. Also cold extra emissions are estimated for passenger cars and light duty vehicles using cold:hot emission ratios and ambient air temperature distributions. For gasoline vehicles also evaporative emissions are calculated. For the years 1990-

1999 updated energy statistics are used to make new COPERT II runs, which are subsequently transformed, into CRF format.

Military: Military aviation emissions are included for the years 1990-1999. Emission factors from CORINAIR (Richardson, S. (Ed), 1999) are combined with fuel use figures from the Danish Energy Agency. The emissions from military aviation were previously a part of the overall air traffic emission budget.

Inland Waterways/Agriculture/Forestry/Industry/Household and Gardening: Emission estimates are updated for the years 1990-1999 based on CORINAIR guidebook proposed emission factor values (Richardson, S. (Ed), 1999).

Air traffic: new energy statistics are used and emission estimates are updated for the years 1990-1999 based on emission factors derived from a research project made at NERI (Winther, 2001). In this project a city-pair inventory was made for the year 1998 comprising fuel use and emissions from all flights leaving airports in the Kingdom of Denmark. Air traffic data for each flight was provided by Eurocontrol with indications of aircraft type, origin and destination airport codes and great circle distances. Fuel use and emission data per distance flown for representative aircraft came from CORINAIR (<http://reports.eea.eu.int/EMEPCORINAIR/en/page017.html>).

To make the actual annual inventories LTO (Landing and Take Off) fuel use and emissions are calculated as number of LTOs per representative aircraft times fuel use and emission factors, respectively. A distinction is made between domestic and international traffic. Fuel use for cruise (flying > 3000 ft) is found as fuel sold (from the Danish Energy Agency) minus fuel used for LTO. Finally cruise emissions are estimated as fuel related emission factors times cruise fuel use.

Forestry: CO₂ uptakes are updated according to new data for forest areas.

The actual changes with respect to the previous submissions are given in the CRF reports.

(h) Uncertainties

The uncertainty on the emissions arises from the uncertainty on the activity data, the uncertainty on the emission factors and the uncertainty arising from whether all (major) sources of emissions are included in the inventory.

It is assumed that the top-down estimates based on the energy statistic are more accurate than the bottom-up estimates based on less well known activity data, e.g. average annual mileage of gasoline driven cars, which means that discrepancies are eliminated by updating some of the most uncertain parameters in the activity data to fit with the energy statistics, e.g. consumption of gasoline sold for road transportation.

In Denmark's 2nd National Communication to the Convention it is stated that the statistics are the official Danish statistics and the emission factors measurements originate from either existing Danish plants or from comparable European installations. It is also assumed that the uncertainty is greatest for the inventories of NMVOC, CH₄ and N₂O, perhaps with an uncertainty factor of 2, while the uncertainty on the CO and NO_x inventories is assumed to be less than 30 – 40% and the uncertainty with the CO₂ may be as low as 1 – 2%.

Applying the methodology mentioned in Annex 1 of the Reporting Instructions of the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories these estimates lead to an overall uncertainty on the GHG emissions in CO₂ equivalents of ± 23 %. In compare the default uncertainties in the same Annex 1 lead to an overall uncertainty on the GHG emissions in CO₂ equivalents of ± 22 %. This absolute uncertainty might represent an overestimate in compare to the uncertainty when trends in data are analysed. It should be noted that neither the national based estimation nor the calculation based on the IPCC default values and methodology takes into account the 35 % uncertainty on the GWP-factors.

Sensitivity analyses shows that it is the huge uncertainty on N₂O from agricultural soils, which are the key factor of the overall uncertainty of the Danish GHG inventory.

(i) Information on quality assurance/quality control (QA/QC)

In the preparation of Denmark's annual emission inventories some quality control (QC) is performed. A part from the UNFCCC's In-Depth-Reviews, Quality Assurance (QA) with independent review of the inventories has not yet been carried out. The IPCC has developed guidance on good practice. This work includes good practice guidance on QA/QC. Future work to improve the Danish emission inventories will include further elaboration of how formal QA/QC procedures could be implemented.

(j) Changes with respect to previous reporting

As mentioned under (g) on recalculations several changes to the Danish emission inventories have been made. In Table 8 of the CRF for the years 1990-1998 the result of these changes as compared with the previous report (Illerup et al., 2000) are shown.

Generally the emission figures do not change when reporting in CRF instead of IPCC-format. However, the small CO₂-contribution from Chemical Products, Manufacture and Processing (CRF Table 3.D.) was included in the total emissions in the IPCC-format but is not included in the CRF-report.

References

Ahlvik, P., Eggleston, S., Gorißen, N., Hassel, D., Hickman, A.-J., Joumard, R., Ntziachristos, L., Rijkeboer, R., Samaras, Z. & Zierock, K.-H. (1997): COPERT II Computer Programme to Calculate Emissions from Road Transport - Methodology and Emission Factors. Technical Report No. 6. European Environment Agency, Copenhagen.

The Danish Environmental Protection Agency: Miljøprojekt, 580 (2001): Ozonlagsnedbrydende stoffer og visse drivhusgasser – 1999. Danmarks forbrug og emissioner. In Danish, Summary in English. <http://www@mst.dk>

Houghton, J. T., Meira Filho, L. G., Lim, B., Tréanton, K., Mamaty, I., Bonduki, Y. Griggs, D. J. and Callander, B. A. (Eds) (1997): Greenhouse Gas Inventory Reporting Instructions. Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories, Vol 1, 2 and 3. The Intergovernmental Panel on Climate Change (IPCC), IPCC WGI Technical Support Unit, United Kingdom.

Illerup, J. B., Lyck, E., Winther, M., and Rasmussen, E. (2000): Denmark's National Inventory Report – Submitted under the United Nations Framework Convention on Climate Change. Samfund og Miljø – Emission Inventories. Research Notes from National Environmental Research Institute, Denmark no. 127, 326 pp. <http://www.dmu.dk>

Illerup, J. B., Andersen, J. M., Winther, M., Lyck, E. and Bruun, H. G. (2001): Annual Danish Atmospheric Emissions Inventory 1999. National Environmental Research Institute, Department of Policy Analysis, September, 8 pp. <http://www.dmu.dk>

Pulles, T., Mareckova, K., Skakala, J., and Svetlik, J. (1999a): Collector Installation and User Guide, EEA Technical Report 31, <http://themes.eea.eu.int/toc.php?toc=39312>

Pulles, T., Skakala, J., and Svetlik, J. (1999b): ReportER User manual, EEA Technical Report 32, <http://themes.eea.eu.int/toc.php/state/air?doc=39183&l=en>

Richardson, S. (Ed) (1999): Atmospheric Emission Inventory Guidebook, Joint EMEP/CORINAIR, Second Edition. Vol. 1, 2 and 3. European Environment Agency, Copenhagen Denmark.

Winther, M. (2001): 1998 Fuel Use and Emissions for Danish IFR Flights. Environmental Project xxx, 2001. 100 p. Danish EPA. Prepared by the National Environmental Research Institute, Denmark. Electronic report at homepage of Danish EPA <http://www.mst.dk> (in prep).

Appendix 1.1

Annual emission inventories 1990-1999 CRF tables for Denmark

NB '.' (Full stop) is separator for thousands and ',' (comma) is separator for decimals.

Appendix 1.1

Annual emission inventories 1999

CRF tables for Denmark

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 1 of 2)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Energy	55,461,55	47,61	3,58	208,29	534,00	86,73	55,91
A. Fuel Combustion Activities (Sectoral Approach)	54,561,15	31,66	3,56	203,52	507,11	75,28	54,50
1. Energy Industries	28,236,66	17,68	0,93	55,61	13,32	1,70	37,14
a. Public Electricity and Heat Production	25,898,84	17,56	0,89	53,28	12,30	1,60	36,61
b. Petroleum Refining	979,72	0,01	0,02	1,50	0,44	0,01	0,53
c. Manufacture of Solid Fuels and Other Energy Industries	1,358,10	0,11	0,02	0,83	0,59	0,10	0,01
2. Manufacturing Industries and Construction	6,121,22	1,51	0,44	27,96	17,66	4,55	8,65
a. Iron and Steel	0,00	0,00	0,00				
b. Non-Ferrous Metals	0,00	0,00	0,00				
c. Chemicals	0,00	0,00	0,00				
d. Pulp, Paper and Print	0,00	0,00	0,00				
e. Food Processing, Beverages and Tobacco	0,00	0,00	0,00				
f. Other (please specify)	6,121,22	1,51	0,44	27,96	17,66	4,55	8,65
Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.							
				27,96	17,66	4,55	8,65
3. Transport	12,156,18	3,10	1,46	79,37	274,74	51,22	4,30
a. Civil Aviation	149,98	0,01	0,01	0,73	0,95	0,16	0,01
b. Road Transportation	11,322,89	3,01	1,41	69,23	263,09	45,12	1,28
c. Railways	257,10	0,02	0,01	2,40	0,36	0,15	0,04
d. Navigation	426,21	0,06	0,03	7,01	10,34	5,79	2,97
e. Other Transportation (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 2 of 2)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
4. Other Sectors	7,864,75	9,36	0,73	39,70	200,69	17,68	4,38
a. Commercial/Institutional	893,40	1,01	0,03	1,57	6,38	0,39	0,58
b. Residential	4,584,66	5,23	0,14	3,92	144,99	10,04	1,34
█ Agriculture/Forestry/Fisheries	2,386,68	3,11	0,56	34,21	49,32	7,25	2,45
5. Other (please specify) ⁽¹⁾	182,35	0,01	0,01	0,89	0,69	0,13	0,02
a. Stationary	0,00	0,00	0,00	0,00	0,00	0,00	0,00
█							
b. Mobile	182,35	0,01	0,01	0,89	0,69	0,13	0,02
Emissions from military combustion of fuels.							
	182,35	0,01	0,01	0,89	0,69	0,13	0,02
B. Fugitive Emissions from Fuels	900,39	15,95	0,02	4,77	26,89	11,45	1,41
1. Solid Fuels	0,00	3,32	0,00	0,00	23,80	0,00	0,00
█ Coal Mining	0,00	0,00					
b. Solid Fuel Transformation	0,00	0,00					
c. Other (please specify)	0,00	3,32	0,00	0,00	23,80	0,00	0,00
Storage of solid fuel.							
					23,80		
2. Oil and Natural Gas	900,39	12,63	0,02	4,77	3,09	11,45	1,41
a. Oil	0,00	0,05				6,43	1,36
b. Natural Gas	0,00	10,08				3,66	0,00
c. Venting and Flaring	900,39	2,50	0,02	4,77	3,09	1,35	0,05
Venting	0,00	0,00					0,05
Flaring	900,39	2,50	0,02	4,77	3,09	1,35	0,00
█ Other (please specify) █	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items: ⁽²⁾							
International Bunkers	6,459,70	0,14	0,36	122,94	11,81	3,46	57,51
Aviation	2,314,14	0,04	0,09	9,33	2,15	0,42	0,15
Marine	4,145,55	0,09	0,26	113,61	9,66	3,04	57,36
Multilateral Operations	0,00	0,00	0,00				
CO₂ Emissions from Biomass	6,280,94						

⁽¹⁾ Include military fuel use under this category.

⁽²⁾ Please do not include in energy totals.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 1 of 4)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	(⁽¹⁾)	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A. Fuel Combustion	810.559,64	NCV				54.561,15	31,66	3,56
Liquid Fuels	360.137,81	NCV	70,14	11,09	7,07	25.259,46	3,99	2,55
Solid Fuels	197.985,45	NCV	95,00	2,39	3,00	18.808,62	0,47	0,59
Gaseous Fuels	187.986,12	NCV	55,62	110,33	1,00	10.456,29	20,74	0,19
Biomass	63.946,20	NCV	98,22	100,07	3,68 ⁽³⁾	6.280,94	6,40	0,24
Other Fuels	504,06	NCV	72,98	107,84	0,52	36,78	0,05	0,00
I.A.1. Energy Industries	415.999,23	NCV				28.236,66	17,68	0,93
Liquid Fuels	89.069,13	NCV	56,58	1,55	1,20	5.039,24	0,14	0,11
Solid Fuels	184.918,93	NCV	95,00	1,50	3,00	17.567,30	0,28	0,55
Gaseous Fuels	98.956,29	NCV	56,89	164,05	1,00	5.630,12	16,23	0,10
Biomass	43.054,89	NCV	97,56	23,96	3,88 ⁽³⁾	4.200,35	1,03	0,17
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Public Electricity and Heat Production	375.287,98	NCV				25.898,84	17,56	0,89
Liquid Fuels	72.255,13	NCV	56,18	1,83	1,24	4.059,53	0,13	0,09
Solid Fuels	184.918,93	NCV	95,00	1,50	3,00	17.567,30	0,28	0,55
Gaseous Fuels	75.088,06	NCV	56,89	214,81	1,00	4.272,01	16,13	0,08
Biomass	43.025,86	NCV	97,59	23,79	3,89 ⁽³⁾	4.198,70	1,02	0,17
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Petroleum Refining	16.814,00	NCV				979,72	0,01	0,02
Liquid Fuels	16.814,00	NCV	58,27	0,36	1,06	979,72	0,01	0,02
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Manufacture of Solid Fuels and Other Energy Industries	23.897,26	NCV				1.358,10	0,11	0,02
Liquid Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	23.868,23	NCV	56,90	4,35	0,99	1.358,10	0,10	0,02
Biomass	29,03	NCV	56,90	280,01	1,00 ⁽³⁾	1,65	0,01	0,00
Other Fuels	0,00	NCV	0,00	0,00	0,00			

(1)

(2) Accurate estimation of CH₄ and N₂O emissions depends on combustion conditions, technology, and emission control policy, as well as fuel characteristics. Therefore, caution should be used when comparing the implied emission factors.

(3) Carbon dioxide emissions from biomass are reported under Memo Items. The content of the cells is not included in the totals.

Note: For the coverage of fuel categories, please refer to the IPCC Guidelines (Volume 1. Reporting Instructions - Common Reporting Framework, section 1.2, p. 1.19). If some derived gases (e.g. gas work gas, coke oven gas, blast gas, oxygen steel furnace gas, etc.) are considered, Parties should provide information on the allocation of these derived gases under the above fuel categories (liquid, solid, gaseous, biomass, other fuels) in the documentation box at the end of sheet 4 of this table.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 2 of 4)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.2 Manufacturing Industries and Construction	93,363,99	NCV				6,121,22	1,51	0,44
Liquid Fuels	31,896,35	NCV	78,21	7,55	10,64	2,494,77	0,24	0,34
Solid Fuels	12,175,80	NCV	95,00	15,00	3,00	1,156,70	0,18	0,04
Gaseous Fuels	43,405,12	NCV	56,90	20,82	1,00	2,469,75	0,90	0,04
Biomass	5,886,73	NCV	101,62	31,78	3,98 ⁽³⁾	598,23	0,19	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Iron and Steel	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Non-Ferrous Metals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Chemicals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
d. Pulp, Paper and Print	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
e. Food Processing, Beverages and Tobacco	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
f. Other (please specify)	93,363,99	NCV				6,121,22	1,51	0,44
Liquid Fuels	31,896,35	NCV	78,21	7,55	10,64	2,494,77	0,24	0,34
Solid Fuels	12,175,80	NCV	95,00	15,00	3,00	1,156,70	0,18	0,04
Gaseous Fuels	43,405,12	NCV	56,90	20,82	1,00	2,469,75	0,90	0,04
Biomass	5,886,73	NCV	101,62	31,78	3,98 ⁽³⁾	598,23	0,19	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 3 of 4)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.3 Transport	165,405,60	NCV				12,156,18	3,10	1,46
Gasoline	87,075,77	NCV	72,98	30,07	13,27	6,354,55	2,62	1,16
Diesel	77,825,78	NCV	74,07	5,47	3,89	5,764,84	0,43	0,30
Natural Gas	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾	0,00	0,00	0,00
Other Fuels	504,06	NCV	72,98	107,84	0,52	36,78	0,05	0,00
a. Civil Aviation	2,081,69	NCV				149,98	0,01	0,01
Aviation Gasoline	102,68	NCV	73,00	21,90	2,00	7,50	0,00	0,00
Jet Kerosene	1,979,01	NCV	72,00	1,73	3,90	142,49	0,00	0,01
b. Road Transportation	154,160,79	NCV				11,322,89	3,01	1,41
Gasoline	84,994,08	NCV	73,00	30,74	13,50	6,204,57	2,61	1,15
Diesel Oil	69,165,13	NCV	74,00	5,77	3,79	5,118,22	0,40	0,26
Natural Gas	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels (please specify)	1,57	NCV				0,10	0,00	0,00
LPG		NCV	0,00	0,00	0,00			
	1,57	NCV	65,00	24,17	0,00	0,10	0,00	0,00
c. Railways	3,474,31	NCV				257,10	0,02	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Liquid Fuels	3,474,31	NCV	74,00	4,77	2,05	257,10	0,02	0,01
Other Fuels (please specify)	0,00	NCV				0,00	0,00	0,00
	0,00	NCV	0,00	0,00	0,00			
d. Navigation	5,688,82	NCV				426,21	0,06	0,03
Coal	0,00	NCV	0,00	0,00	0,00			
Residual Oil	1,434,90	NCV	78,00	1,76	4,90	111,92	0,00	0,01
Gas/Diesel Oil	3,751,43	NCV	74,00	1,94	7,05	277,61	0,01	0,03
Other Fuels (please specify)	502,49	NCV				36,68	0,05	0,00
Kerosene, Gasoline, LPG		NCV	0,00	0,00	0,00			
	502,49	NCV	73,00	108,10	0,52	36,68	0,05	0,00
e. Other Transportation	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 4 of 4)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	(¹)	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.4 Other Sectors	135,790,81	NCV				7,864,75	9,36	0,73
Liquid Fuels	74,270,79	NCV	73,03	7,51	8,52	5,423,70	0,56	0,63
Solid Fuels	890,73	NCV	95,00	15,00	3,00	84,62	0,01	0,00
Gaseous Fuels	45,624,72	NCV	51,65	79,00	1,00	2,356,42	3,60	0,05
Biomass	15,004,58	NCV	98,79	345,26	2,98 ⁽³⁾	1,482,36	5,18	0,04
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Commercial/Institutional	18,584,51	NCV				893,40	1,01	0,03
Liquid Fuels	8,004,43	NCV	64,06	5,34	1,62	512,75	0,04	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Gaseous Fuels	7,680,48	NCV	49,56	80,49	1,00	380,65	0,62	0,01
Biomass	2,899,60	NCV	86,28	120,44	2,91 ⁽³⁾	250,17	0,35	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Residential	78,650,22	NCV				4,584,66	5,23	0,14
Liquid Fuels	37,908,91	NCV	73,91	10,02	1,98	2,802,03	0,38	0,07
Solid Fuels	182,35	NCV	95,00	15,00	3,00	17,32	0,00	0,00
Gaseous Fuels	31,024,71	NCV	56,90	33,42	1,00	1,765,31	1,04	0,03
Biomass	9,534,24	NCV	102,00	400,00	3,00 ⁽³⁾	972,49	3,81	0,03
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Agriculture/Forestry/Fisheries	38,556,08	NCV				2,386,68	3,11	0,56
Liquid Fuels	28,357,44	NCV	74,37	4,77	19,21	2,108,92	0,14	0,54
Solid Fuels	708,37	NCV	95,00	15,00	3,00	67,30	0,01	0,00
Gaseous Fuels	6,919,53	NCV	30,42	281,68	1,00	210,46	1,95	0,01
Biomass	2,570,74	NCV	101,02	395,81	2,96 ⁽³⁾	259,69	1,02	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00			
I.A.5 Other (Not elsewhere specified)⁽⁴⁾	0,00	NCV				182,35	0,01	0,01
Liquid Fuels	0,00	NCV	0,00	0,00	0,00	182,35	0,01	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

⁽⁴⁾ Include military fuel use under this category.

Documentation Box:

IA 2f-note: Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.

TABLE 1.A(b) SECTORAL BACKGROUND DATA FOR ENERGY
CO₂ from Fuel Combustion Activities - Reference Approach (IPCC Worksheet 1-1)
(Sheet 1 of 1)

Denmark
1999
April 11, 2001

FUEL TYPES			Unit	Production	Imports	Exports	International bunkers	Stock change	Apparent consumption	Conversion factor ⁽¹⁾ (TJ/Unit)	⁽¹⁾	Apparent consumption (TJ)	Carbon emission factor (t C/TJ)	Carbon content (Gg C)	Carbon stored (Gg C)	Net carbon emissions (Gg C)	Fraction of carbon oxidized	Actual CO ₂ emissions (Gg CO ₂)	
Liquid Fossil	Primary Fuels	Crude Oil							0,00		NCV	0,00		0,00		0,00		0,00	
		Orimulsion							0,00		NCV	0,00		0,00		0,00		0,00	
		Natural Gas Liquids							0,00		NCV	0,00		0,00		0,00		0,00	
	Secondary Fuels	Gasoline								0,00		NCV	0,00		0,00		0,00		0,00
		Jet Kerosene								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Other Kerosene								0,00		NCV	0,00		0,00		0,00		0,00
		Shale Oil								0,00		NCV	0,00		0,00		0,00		0,00
		Gas / Diesel Oil								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Residual Fuel Oil								0,00		NCV	0,00		0,00		0,00		0,00
		LPG								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Ethane								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Naphtha								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Bitumen								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Lubricants								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Petroleum Coke								0,00		NCV	0,00		0,00		0,00		0,00
		Refinery Feedstocks								0,00		NCV	0,00		0,00		0,00		0,00
Other Oil								0,00		NCV	0,00		0,00		0,00		0,00		
Liquid Fossil Totals												0,00		0,00	0,00	0,00		0,00	
Solid Fossil	Primary Fuels	Anthracite ⁽²⁾							0,00		NCV	0,00		0,00		0,00		0,00	
		Coking Coal							0,00		NCV	0,00		0,00	0,00	0,00		0,00	
		Other Bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Sub-bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Lignite							0,00		NCV	0,00		0,00		0,00		0,00	
		Oil Shale							0,00		NCV	0,00		0,00		0,00		0,00	
	Peat							0,00		NCV	0,00		0,00		0,00		0,00		
	Secondary Fuels	BKB & Patent Fuel							0,00		NCV	0,00		0,00		0,00		0,00	
		Coke Oven/Gas Coke							0,00		NCV	0,00		0,00		0,00		0,00	
	Solid Fuel Totals												0,00		0,00	0,00	0,00		0,00
Gaseous Fossil	Natural Gas (Dry)							0,00		NCV	0,00		0,00	0,00	0,00	0,00		0,00	
Total												0,00		0,00	0,00	0,00		0,00	
Biomass total												0,00		0,00	0,00	0,00		0,00	
	Solid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Liquid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Gas Biomass								0,00		NCV	0,00		0,00		0,00		0,00	

⁽¹⁾ To convert quantities expressed in natural units to energy units, use net calorific values (NCV). If gross calorific values (GCV) are used in this table, please indicate this by replacing "NCV" with "GCV" in this column.

⁽²⁾ If Anthracite is not separately available, include with Other Bituminous Coal.

TABLE 1.A(c) COMPARISON OF CO₂ EMISSIONS FROM FUEL COMBUSTION
(Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

FUEL TYPES	Reference approach		National approach ⁽¹⁾		Difference ⁽²⁾	
	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (%)	CO ₂ emissions (%)
Liquid Fuels (excluding international bunkers)	0,00	0,00	360,14	25.259,46	-100,00	-100,00
Solid Fuels (excluding international bunkers)	0,00	0,00	197,99	18.808,62	-100,00	-100,00
Gaseous Fuels	0,00	0,00	187,99	10.456,29	-100,00	-100,00
Other ⁽³⁾			0,50	36,78	-100,00	-100,00
Total ⁽³⁾	0,00	0,00	746,61	54.561,15	-100,00	-100,00

⁽¹⁾ "National approach" is used to indicate the approach (if different from the Reference approach) followed by the Party to estimate its CO₂ emissions from fuel combustion reported in the national GHG inventory.

⁽²⁾ Difference of the Reference approach over the National approach (i.e. difference = 100% x ((RA-NA)/NA), where NA = National approach and RA = Reference approach).

⁽³⁾ Emissions from biomass are not included.

Note: In addition to estimating CO₂ emissions from fuel combustion by sector, Parties should also estimate these emissions using the IPCC Reference approach, as found in the IPCC Guidelines, Worksheet 1-1(Volume 2. Workbook). The Reference approach is to assist in verifying the sectoral data. Parties should also complete the above tables to compare the alternative estimates, and if the emission estimates lie more than 2 percent apart, should explain the source of this difference in the documentation box provided.

Documentation Box:

TABLE 1.A(d) SECTORAL BACKGROUND DATA FOR ENERGY
Feedstocks and Non-Energy Use of Fuels
(Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

FUEL TYPE ⁽¹⁾	ACTIVITY DATA AND RELATED INFORMATION		IMPLIED EMISSION FACTOR	ESTIMATE
	Fuel quantity (TJ)	Fraction of carbon stored	Carbon emission factor (t C/TJ)	of carbon stored in non energy use of fuels (Gg C)
Naphtha ⁽²⁾			0,00	
Lubricants			0,00	
Bitumen			0,00	
Coal Oils and Tars (from Coking Coal)			0,00	
Natural Gas ⁽²⁾			0,00	
Gas/Diesel Oil ⁽²⁾			0,00	
LPG ⁽²⁾			0,00	
Butane ⁽²⁾			0,00	
Ethane ⁽²⁾			0,00	
Other (please specify) <input type="text"/>				
			0,00	

Additional information ^(a)

CO ₂ not emitted (Gg CO ₂)	Subtracted from energy sector (specify source category)
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	

⁽¹⁾ Where fuels are used in different industries, please enter in different rows.
⁽²⁾ Enter these fuels when they are used as feedstocks.

^(a) The fuel lines continue from the table to the left.

Note: The table is consistent with the IPCC Guidelines. Parties that take into account the emissions associated with the use and disposal of these feedstocks could continue to use their methodology, and provide explanation notes in the documentation box below.

Documentation box: A fraction of energy carriers is stored in such products as plastics or asphalt. The non-stored fraction of the carbon in the energy carrier or product is oxidized, resulting in carbon dioxide emissions, either during the use of the energy carriers in the industrial production (e.g. fertilizer production), or during the use of the products (e.g. solvents, lubricants), or in both (e.g. monomers). To report associated emissions use the above table, filling an extra "Additional information" table, as shown below.	
Associated CO ₂ emissions (Gg)	Allocated under <input type="text"/> ^(a) e.g. Industrial Processes, Waste Incineration, etc. (Specify source category) ^(a)

TABLE 1.B.1 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Solid Fuels
(Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTOR		EMISSIONS	
	Amount of fuel produced ⁽¹⁾	CH ₄	CO ₂	CH ₄	CO ₂
	(Mt)	(kg/t)	(kg/t)	(Gg)	(Gg)
I. B. 1. a. Coal Mining and Handling	0,00			0,00	0,00
i. Underground Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
ii. Surface Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
I. B. 1. b. Solid Fuel Transformation	0,00	0,00	0,00		
I. B. 1. c. Other (please specify) ⁽³⁾ <input type="button" value=""/>				3,32	0,00
Storage of solid fuel.		0,00	0,00		
	7,01	0,47	0,00	3,32	

- ⁽¹⁾ Use the documentation box to specify whether the fuel amount is based on the run-of-mine (ROM) production or on the saleable production.
⁽²⁾ Emissions both for Mining Activities and Post-Mining Activities are calculated with the activity data in lines Underground Mines and Surface Mines respectively.
⁽³⁾ Please click on the button to enter any other solid fuel related activities resulting in fugitive emissions, such as emissions from abandoned mines and waste piles.

Note: There are no clear references to the coverage of I.B.1.b. and I.B.1.c. in the IPCC Guidelines. Make sure that the emissions entered here are not reported elsewhere. If they are reported under another source category, indicate this (IE) and make a reference in Table 9 (completeness) and/or in the documentation box.

Documentation box:

Additional information ^(a)

Description	Value
Amount of CH ₄ drained (recovered) and utilized or flared (Gg)	
Number of active underground mines	
Number of mines with drainage (recovery) systems	

^(a) For underground mines.

TABLE 1.B.2 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Oil and Natural Gas
(Sheet 1 of 1)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA			IMPLIED EMISSION FACTORS			EMISSIONS		
	Description ⁽¹⁾	Unit	Value	CO ₂ (kg/unit) ⁽²⁾	CH ₄ (kg/unit) ⁽²⁾	N ₂ O (kg/unit) ⁽²⁾	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
1. B. 2. a. Oil ⁽³⁾							0,00	0,05	
i. Exploration	(e.g. number of wells drilled)		0,00	0,00	0,00				
ii. Production ⁽⁴⁾	(e.g. PJ of oil produced)		0,00	0,00	0,00				
iii. Transport	(e.g. PJ oil loaded in tankers)		0,00	0,00	0,00				
iv. Refining / Storage	(e.g. PJ oil refined)		0,00	0,00	0,00				
v. Distribution of oil products	(e.g. PJ oil refined)	Mg product	2.047.557	0,00	0,00			0,00	
vi. Other		Mg Crude	5.000.000	0,00	0,01			0,05	
1. B. 2. b. Natural Gas							0,00	10,08	
Exploration				0,00	0,00				
i. Production ⁽⁴⁾ / Processing	(e.g. PJ gas produced)	1000 m3	2.500.000	0,00	0,65			1,63	
ii. Transmission	(e.g. PJ gas consumed)	1000 m3	3.800.000	0,00	2,22			8,45	
Distribution	(e.g. PJ gas consumed)			0,00	0,00				
iii. Other Leakage	(e.g. PJ gas consumed)			0,00	0,00				
at industrial plants and power stations				0,00	0,00				
in residential and commercial sectors				0,00	0,00				
1. B. 2. c. Venting ⁽⁵⁾							0,00	0,00	
i. Oil	(e.g. PJ oil produced)			0,00	0,00				
ii. Gas	(e.g. PJ gas produced)			0,00	0,00				
iii. Combined				0,00	0,00				
Flaring							900,39	2,50	0,02
i. Oil	(e.g. PJ gas consumption)	GJ	324.130	56,90	0,00	0,00	18,44		0,00
ii. Gas	(e.g. PJ gas consumption)	GJ	15.500.000	56,90	0,16	0,00	881,95	2,50	0,02
iii. Combined				0,00	0,00	0,00			
1.B.2.d. Other (please specify) ⁽⁶⁾				0,00	0,00	0,00	0,00	0,00	0,00

Additional information

Description	Value	Unit
Pipelines length (km)		
Number of oil wells		
Number of gas wells		
Gas throughput ^(a)		
Oil throughput ^(a)		
Other relevant information (specify)		

^(a) In the context of oil and gas production, throughput is a measure of the total production, such as barrels per day of oil, or cubic meters of gas per year. Specify the units of the reported value in the unit column. Take into account that these values should be consistent with the activity data reported under the production rows of the main table.

⁽¹⁾ Specify the activity data used and fill in the activity data description column, as given in the examples in brackets. Specify the unit of the activity data in the unit column. Use the document box to specify whether the fuel amount is based on the raw material production or on the saleable production. Note cases where more than one variable is used as activity data.

⁽²⁾ The unit of the implied emission factor will depend on the units of the activity data used, and is therefore not specified in this column. The unit of the implied emission factor for each activity will be kg/unit of activity data.

⁽³⁾ Use the category also to cover emissions from combined oil and gas production fields. Natural gas processing and distribution from these fields should be included under 1.B.2.b.ii and 1.B.2.b.iii, respectively.

⁽⁴⁾ If using default emission factors these categories will include emissions from production other than venting and flaring.

⁽⁵⁾ If using default emission factors, emissions from Venting and Flaring from all oil and gas production should be accounted for here. Parties using the IPCC software could report those emissions together, indicating so in the documentation box.

⁽⁶⁾ For example, fugitive CO₂ emissions from production of geothermal power could be reported here.

Documentation box:

TABLE 1.C SECTORAL BACKGROUND DATA FOR ENERGY
International Bunkers and Multilateral Operations
(Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS			EMISSIONS		
	Consumption (TJ)	CO ₂ (t/TJ)	CH ₄ (kg/TJ)	N ₂ O (kg/TJ)	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Marine Bunkers	54.611,00				4.145,55	0,09	0,26
Gasoline	0,00	0,00	0,00	0,00			
Gas/Diesel Oil	28.526,00	74,00	1,69	4,70	2.110,92	0,05	0,13
Residual Fuel Oil	26.085,00	78,00	1,76	4,90	2.034,63	0,05	0,13
Lubricants	0,00	0,00	0,00	0,00			
Coal	0,00	0,00	0,00	0,00			
Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
		0,00	0,00	0,00			
Aviation Bunkers	32.140,75				2.314,14	0,04	0,09
Jet Kerosene	32.132,38	72,00	1,34	2,90	2.313,53	0,04	0,09
Gasoline	8,37	73,00	21,86	2,03	0,61	0,00	0,00
Multilateral Operations ⁽¹⁾							

Additional information

Fuel consumption	Allocation ^(a) (percent)	
	Domestic	International
Marine	9,43	90,57
Aviation	6,08	93,92

^(a) For calculating the allocation of fuel consumption, use the sums of fuel consumption by domestic navigation and aviation (Table 1.A(a)) and by international bunkers (Table 1.C).

⁽¹⁾ Parties may choose to report or not report the activity data and emission factors for multilateral operation consistent with the principle of confidentiality stated in the UNFCCC reporting guidelines on inventories. In any case, Parties should report the emissions from multilateral operations, where available, under the Memo Items section of the Summary tables and in the Sectoral report table for energy.

Note: In accordance with the IPCC Guidelines, international aviation and marine bunker fuel emissions from fuel sold to ships or aircraft engaged in international transport should be excluded from national totals and reported separately for informational purposes only.

Documentation box: Please explain how the consumption of international marine and aviation bunkers fuels was estimated and separated from the domestic consumption.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 1 of 2)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
Total Industrial Processes	1,401,62	0,00	0,00	1,735,94	621,17	42,00	30,10	0,01	0,00	0,45	0,00	0,51	0,00
A. Mineral Products	1,401,62	0,00	0,00							0,00	0,00	0,00	0,00
1. Cement Production	1,294,83												
2. Lime Production	106,79												
3. Limestone and Dolomite Use	0,00												
4. Soda Ash Production and Use	0,00												
5. Asphalt Roofing	0,00												
6. Road Paving with Asphalt	0,00												
7. Other (please specify)	0,00	0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,45	0,00	0,00	0,00
1. Ammonia Production	0,00	0,00											
2. Nitric Acid Production			0,00							0,45			
3. Adipic Acid Production			0,00										
4. Carbide Production	0,00	0,00											
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Iron and Steel Production	0,00	0,00											
2. Ferroalloys Production	0,00	0,00											
3. Aluminium Production	0,00	0,00					0,00						
4. SF ₆ Used in Aluminium and Magnesium Foundries									0,00				
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

methods exist for both tiers.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 2 of 2)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
D. Other Production	0,00									0,00	0,00	0,51	0,00
1. Pulp and Paper													
2. Food and Drink ⁽²⁾	0,00											0,51	
E. Production of Halocarbons and SF₆					0,00		0,00		0,00				
1. By-product Emissions					0,00		0,00		0,00				
Production of HCFC-22					0,00								
Other					0,00		0,00		0,00				
2. Fugitive Emissions					0,00		0,00		0,00				
3. Other (please specify)					0,00		0,00		0,00				
F. Consumption of Halocarbons and SF₆				1.735,94	621,17	42,00	30,10	0,01	0,00				
1. Refrigeration and Air Conditioning Equipment				1.341,06	434,85	42,00	19,60		0,00				
2. Foam Blowing				376,68	166,82		0,00		0,00				
3. Fire Extinguishers					0,00		0,00		0,00				
4. Aerosols/ Metered Dose Inhalers				18,20	19,50		0,00		0,00				
5. Solvents					0,00		0,00		0,00				
6. Semiconductor Manufacture					0,00		0,00		0,00				
7. Electrical Equipment								0,00	0,00				
8. Other (please specify)				0,00	0,00	0,00	10,50	0,01	0,00				
Emissions of SF ₆ from (1) window plate production, (2) research laboratories and (3) running shoes and of PFC used as detergent.													
							10,50	0,01	0,00				
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	0,00												

⁽²⁾ CO₂ from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO₂ emissions of non-biogenic origin should be reported.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES

Emissions of CO₂, CH₄ and N₂O

(Sheet 1 of 2)

Denmark

1999

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
A. Mineral Products						1,401,62		0,00		0,00	
1. Cement Production	<i>(e.g. cement or clinker production)</i>	2,427,82	0,53			1,294,83					
2. Lime Production		500,38	0,21			106,79					
3. Limestone and Dolomite Use		0,00	0,00								
4. Soda Ash						0,00					
Soda Ash Production		0,00	0,00								
Soda Ash Use			0,00								
5. Asphalt Roofing		0,00	0,00								
6. Road Paving with Asphalt		0,00	0,00								
7. Other <i>(please specify)</i>						0,00		0,00		0,00	
Glass Production			0,00								
		0,00	0,00	0,00	0,00						
B. Chemical Industry						0,00		0,00		0,00	
1. Ammonia Production ⁽³⁾		0,00	0,00	0,00	0,00						
2. Nitric Acid Production		0,00			0,00						
3. Adipic Acid Production		0,00			0,00						
4. Carbide Production			0,00	0,00		0,00		0,00			
Silicon Carbide		0,00	0,00	0,00							
Calcium Carbide			0,00	0,00							
5. Other <i>(please specify)</i>						0,00		0,00		0,00	
Carbon Black				0,00							
Ethylene			0,00	0,00	0,00						
Dichloroethylene				0,00							
Styrene				0,00							
Methanol				0,00							
		0,00	0,00	0,00	0,00						

⁽¹⁾ Where the IPCC Guidelines provide options for activity data, e.g. cement or clinker for estimating the emissions from Cement Production, specify the activity data used (as shown in the example in brackets) in order to make the choice of emission factor more transparent and to facilitate comparisons of implied emission factors.

⁽²⁾ Enter cases in which the final emissions are reduced with the quantities of emission recovery, oxidation, destruction, transformation. Adjusted emissions are reported and the quantitative information on recovery, oxidation, destruction, and transformation should be given in the additional columns provided.

⁽³⁾ To avoid double counting make offsetting deductions from fuel consumption (e.g. natural gas) in Ammonia Production, first for feedstock use of the fuel, and then to a sequestering use of the feedstock.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
(Sheet 2 of 2)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption Quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
C. Metal Production⁽⁴⁾						0,00		0,00		0,00	
1. Iron and Steel Production		0,00	0,00			0,00		0,00			
Steel		0,00	0,00								
Pig Iron		0,00	0,00	0,00							
Sinter		0,00	0,00	0,00							
Coke		0,00	0,00	0,00							
Other (please specify) <input type="checkbox"/>						0,00		0,00			
		0,00	0,00	0,00	0,00						
2. Ferroalloys Production		0,00	0,00	0,00							
3. Aluminium Production		0,00	0,00	0,00							
4. SF ₆ Used in Aluminium and Magnesium Foundries											
5. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		4,53	0,00	0,00	0,00						
D. Other Production						0,00					
1. Pulp and Paper											
2. Food and Drink			0,00								
G. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00	0,00					

⁽⁴⁾ More specific information (e.g. data on virgin and recycled steel production) could be provided in the documentation box.

Note: In case of confidentiality of the activity data information, the entries should provide aggregate figures but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 1 of 2)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs ⁽¹⁾	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₃ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs ⁽¹⁾	SF ₆
	(t) ⁽²⁾																						
Total Actual Emissions of Halocarbons (by chemical) and SF₆	0,00	5,94	0,00	0,00	43,45	0,00	264,66	38,36	0,00	38,48	0,00	0,00	0,00		0,00	0,00	4,30	0,00	0,00	0,00	0,00		2,71
C. Metal Production															0,00	0,00							0,70
Aluminium Production															0,00	0,00							
SF ₆ Used in Aluminium Foundries																							0,00
SF ₆ Used in Magnesium Foundries																							0,70
E. Production of Halocarbons and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
1. By-product Emissions	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production of HCFC-22	0,00																						
Other																							
2. Fugitive Emissions																							
3. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
F(a). Consumption of Halocarbons and SF₆ (actual emissions - Tier 2)	0,00	5,94	0,00	0,00	43,45	0,00	264,66	38,36	0,00	38,48	0,00	0,00	0,00		0,00	0,00	4,30	0,00	0,00	0,00	0,00		2,01
1. Refrigeration and Air Conditioning Equipment		5,94			43,45		125,37	1,00		38,48							2,80						
2. Foam Blowing							124,30	37,36															
3. Fire Extinguishers																							
4. Aerosols/Metered Dose Inhalers							15,00																
5. Solvents																							
6. Semiconductor Manufacture																							
7. Electrical Equipment																							0,50
8. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	1,50	0,00	0,00	0,00	0,00		1,51
Emissions of SF ₆ from (1) window plate production, (2) research laboratories and (3) running shoes and of C3F8 used as detergent.																	1,50						
																	1,50						1,51
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00

⁽¹⁾ Although shaded, the columns with HFCs and PFCs totals on sheet 1 are kept for consistency with sheet 2 of the table.

⁽²⁾ Note that the units used in this table differ from those used in the rest of the Sectoral report tables, i.e. [t] instead of [Gg].

Note: Where information is confidential the entries should provide aggregate figures but there should be a note indicating this in the relevant documentation boxes of the Sectoral background data tables or as a comment to the corresponding cell. Gases with GWP not yet agreed upon by the COP, should be reported in Table 9 (Completeness), sheet 2.

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 2 of 2)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ea	Total HFCs	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs	SF ₆
	(t) ⁽²⁾																						
F(p). Total Potential Emissions of Halocarbons (by chemical) and SF₆ ⁽³⁾	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production ⁽⁴⁾																							
Import:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Export:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Destroyed amount																							
GWP values used	11700	650	150	1300	2800	1000	1300	140	300	3800	2900	6300	560		6500	9200	7000	7000	8700	7500	7400		23900
Total Actual Emissions ⁽⁶⁾ (Gg CO ₂ eq.)	0,00	3,86	0,00	0,00	121,66	0,00	344,06	5,37	0,00	146,21	0,00	0,00	0,00	621,17	0,00	0,00	30,10	0,00	0,00	0,00	0,00	30,10	64,77
C. Metal Production															0,00	0,00						0,00	16,73
E. Production of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F(a). Consumption of Halocarbons and SF ₆	0,00	3,86	0,00	0,00	121,66	0,00	344,06	5,37	0,00	146,21	0,00	0,00	0,00	621,17	0,00	0,00	30,10	0,00	0,00	0,00	0,00	30,10	48,04
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Ratio of Potential/Actual Emissions from Consumption of Halocarbons and SF₆																							
Actual emissions - F(a) (Gg CO ₂ eq.)	0,00	3,86	0,00	0,00	121,66	0,00	344,06	5,37	0,00	146,21	0,00	0,00	0,00	621,17	0,00	0,00	30,10	0,00	0,00	0,00	0,00	30,10	48,04
Potential emissions - F(p) (7) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential/Actual emissions ratio	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽³⁾ manner corresponding to the subsectors for actual emissions defined on sheet 1 of this table, these should be reported in an annex to sheet 2, using the format of sheet 1, sector F(a). Use Summary 3 of this common reporting format to indicate whether Tier 1a or Tier 1b was used.

⁽⁴⁾ Production refers to production of new chemicals. Recycled substances could be included here, but it should be ensured that double counting of emissions is avoided. Relevant explanations should be provided as a comment to the corresponding cell.

⁽⁵⁾ Relevant just for Tier 1b.

⁽⁶⁾ Sums of the actual emissions of each chemical of halocarbons and SF₆ from the source categories given in sheet 1 of the table multiplied by the corresponding GWP values.

⁽⁷⁾ Potential emissions of each chemical of halocarbons and SF₆ taken from row F(p) multiplied by the corresponding GWP values.

Note: As stated in the revised UNFCCC guidelines, Parties should report actual emissions of HFCs, PFCs and SF₆, where data are available, providing disaggregated data by chemical and source category in units of mass and in CO₂ equivalents. Parties reporting actual emissions should also report potential emissions for the sources where the concept of potential emissions applies, for reasons of transparency and comparability.

TABLE 2(II). C, E SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Metal Production; Production of Halocarbons and SF₆
(Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾	EMISSIONS ⁽²⁾	
	Description ⁽¹⁾	(t)	(kg/t)	(t)	⁽³⁾
C. PFCs and SF₆ from Metal Production					
PFCs from Aluminium Production					
CF ₄			0,00		
C ₂ F ₆			0,00		
SF ₆				0,70	
Aluminium Foundries	(SF ₆ consumption)		0,00		
Magnesium Foundries			0,00	0,70	
E. Production of Halocarbons and SF₆					
1. By-product Emissions					
Production of HCFC-22					
HFC-23			0,00		
Other (specify chemical) <input type="checkbox"/>			0,00		
2. Fugitive Emissions					
HFCs (specify chemical) <input type="checkbox"/>			0,00		
PFCs (specify chemical) <input type="checkbox"/>			0,00		
SF ₆			0,00		
3. Other (please specify) <input type="checkbox"/>			0,00		

⁽¹⁾ Specify the activity data used as shown in the examples within brackets. Where applying Tier 1b (for C), Tier 2 (for E) and country specific methods, specify any other relevant activity data used in the documentation box below.

⁽²⁾ Emissions and implied emission factors are after recovery.









⁽³⁾ Enter cases in which the final emissions are reported after subtracting the quantities of emission recovery, oxidation, destruction, transformation. Enter these quantities in the specified column and use the documentation box for further explanations.

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 1 of 2)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
1 Refrigeration									
Air Conditioning Equipment									
Domestic Refrigeration (<i>Specify chemical</i>) ⁽²⁾ 									
(e.g. HFC-32)									
(e.g. HFC-125)									
(e.g. HFC-134a)									
(e.g. HFC-152a)									
(e.g. HFC-143a)									
Commercial Refrigeration 									
Transport Refrigeration 									
Industrial Refrigeration 									
Stationary Air-Conditioning 									
Mobile Air-Conditioning 									
2 Foam Blowing									
Hard Foam 									
Soft Foam 									

⁽¹⁾ Parties should use the documentation box to provide information on the amount of the chemical recovered (recovery efficiency) and other relevant information used in the emission estimation.

⁽²⁾ Please click on the button to specify the chemical consumed, as given in the example. If needed, new rows could be added for reporting the disaggregated chemicals from a source by clicking on the corresponding button.

Note: Table 2.(II).F provides for reporting of the activity data and emission factors used to calculate actual emissions from consumption of halocarbons and SF₆ using the "bottom-up approach" (based on the total stock of equipment and estimated emission rates from this equipment). Some Parties may prefer to estimate their actual emissions following the alternative "top-down approach" (based on annual sales of equipment and/or gas). These Parties should provide the activity data used in the current format and any other relevant information in the documentation box at the end of Table2(II)Fs2. Data these Parties should provide includes (1) the amount of fluid used to fill new products, (2) the amount of fluid used to service existing products, (3) the amount of fluid originally used to fill retiring products (the total nameplate capacity of retiring products), (4) the product lifetime, and (5) the growth rate of product sales, if this has been used to calculate the amount of fluid originally used to fill retiring products. Alternatively, Parties may provide alternative formats with equivalent information. These formats may be considered for future versions of the common reporting format after the trial period.

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 2 of 2)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
3 Fire Extinguishers <input type="checkbox"/>									
4 Aerosols									
Metered Dose Inhalers <input type="checkbox"/>									
Other <input type="checkbox"/>									
5 Solvents <input type="checkbox"/>									
6 Semiconductors <input type="checkbox"/>									
7 Electric Equipment <input type="checkbox"/>									
8 Other (please specify) <input type="checkbox"/>									

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note indicating this and explanations in the documentation box.

Documentation box:

TABLE 3 SECTORAL REPORT FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark

1999

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	N ₂ O	NM VOC
	(Gg)		
Total Solvent and Other Product Use	113,24	0,00	38,54
A. Paint Application	73,05		23,44
B. Degreasing and Dry Cleaning	0,00		
C. Chemical Products, Manufacture and Processing			2,20
D. Other (please specify)	40,19	0,00	12,90
<i>(Use of N₂O for Anaesthesia)</i>	0,00		
<i>(N₂O from Fire Extinguishers)</i>	0,00		
<i>(N₂O from Aerosol Cans)</i>	0,00		
<i>(Other Use of N₂O)</i>	0,00		
	40,19		12,90

Please account for the quantity of carbon released in the form of NMVOC in both the NMVOC and the CO₂ columns.

Note: The IPCC Guidelines do not provide methodologies for the calculation of emissions of N₂O from Solvent and Other Product Use. If reporting such data, Parties should provide additional information (activity data and emission factors) used to make these estimates in the documentation box to Table 3.A-D.

TABLE 3.A-D SECTORAL BACKGROUND DATA FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS	
	Description	(kt)	CO ₂ (t/t)	N ₂ O (t/t)
A. Paint Application		0,00	0,00	0,00
B. Degreasing and Dry Cleaning		0,00	0,00	0,00
C. Chemical Products, Manufacture and Processing				
D. Other (please specify)⁽¹⁾				
<i>(Use of N₂O for Anaesthesia)</i>		0,00	0,00	0,00
<i>(N₂O from Fire Extinguishers)</i>		0,00	0,00	0,00
<i>(N₂O from Aerosol Cans)</i>		0,00	0,00	0,00
<i>(Other Use of N₂O)</i>		0,00	0,00	0,00

⁽¹⁾ Some probable sources are provided in brackets. Complement the list with other relevant sources. Make sure that the order is the same as in Table 3.

Note: The table follows the format of the IPCC Sectoral Report for Solvent and Other Product Use, although some of the source categories are not relevant to the direct GHG emissions.

Documentation box:

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 1 of 2)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK	CH ₄	N ₂ O	NO _x	CO	NMVOC
CATEGORIES	(Gg)				
Total Agriculture	168,31	27,45	0,00	0,00	1,19
A. Enteric Fermentation	127,95				
1. Cattle	112,71				
Dairy Cattle	66,58				
Non-Dairy Cattle	46,13				
2. Buffalo					
3. Sheep	0,55				
4. Goats					
5. Camels and Llamas					
6. Horses	0,73				
7. Mules and Asses					
8. Swine	13,96				
9. Poultry					
10. Other (please specify)	0,00				
B. Manure Management	40,36	1,47			0,00
1. Cattle	15,95				
Dairy Cattle	13,96				
Non-Dairy Cattle	1,99				
2. Buffalo					
3. Sheep	0,03				
4. Goats					
5. Camels and Llamas					
6. Horses	0,04				
7. Mules and Asses					
8. Swine	23,68				
9. Poultry	0,66				

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 2 of 2)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O	NO _x	CO	NMVOC
	(Gg)				
B. Manure Management (continued)					
10. Anaerobic Lagoons					
11. Liquid Systems		0,21			
12. Solid Storage and Dry Lot		1,26			
13. Other (please specify) <input type="checkbox"/>		0,00			0,00
C. Rice Cultivation	0,00				0,00
1. Irrigated	0,00				
2. Rainfed	0,00				
3. Deep Water	0,00				
4. Other (please specify) <input type="checkbox"/>	0,00				0,00
D. Agricultural Soils ⁽¹⁾	0,00	25,97			1,19
1. Direct Soil Emissions		16,09			1,19
2. Animal Production		0,82			
3. Indirect Emissions		8,89			
4. Other (please specify) <input type="checkbox"/>	0,00	0,17			0,00
E. Prescribed Burning of Savannas	0,00	0,00			
F. Field Burning of Agricultural Residues	0,00	0,00	0,00	0,00	0,00
1. Cereals	0,00	0,00			
2. Pulse	0,00	0,00			
3. Tuber and Root	0,00	0,00			
4. Sugar Cane	0,00	0,00			
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00
G. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ See footnote 4 to Summary 1.A of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category of the sector Agriculture should indicate the amount [Gg] of these emissions or removals in the documentation box to Table 4.D. Additional information (activity data, implied emissions factors) should also be provided using the relevant documentation box to Table 4.D. This table is not modified for reporting the CO₂ emissions and removals for the sake of consistency with the IPCC tables (i.e. IPCC Sectoral Report for Agriculture).

Note: The IPCC Guidelines do not provide methodologies for the calculation of CH₄ emissions, CH₄ and N₂O removals from agricultural soils, or CO₂ emissions from savanna burning or agricultural residues burning. If you have reported such data, you should provide additional information (activity data and emission factors) used to make these estimates using the relevant documentation boxes of the Sectoral background data tables.

TABLE 4.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

Denmark

1999

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA ⁽¹⁾ AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS
	Population size ⁽²⁾ (1000 head)	Average daily feed intake (MJ/day)	CH ₄ conversion (%)	CH ₄ (kg CH ₄ /head/yr)
1. Cattle	0			0,00
Dairy Cattle ⁽³⁾	640			104,00
Non-Dairy Cattle	1.247			37,00
2. Buffalo	0			0,00
3. Sheep	69			8,00
4. Goats	0			0,00
5. Camels and Llamas	0			0,00
6. Horses	40			18,00
7. Mules and Asses	0			0,00
8. Swine	9.305			1,50
9. Poultry	0			0,00
10. Other (please specify) <input type="checkbox"/>				0,00

Additional information (for Tier 2)^(a)

Disaggregated list of animals ^(b)	Dairy Cattle	Non-Dairy Cattle	Other (specify)	Indicators:	
				Weight (kg)	Feeding situation ^(c)

^(a) Compare to Tables A-1 and A-2 of the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.31-4.34). These data are relevant if Parties do not have data on average feed intake.

^(b) Disaggregate to the split actually used. Add columns to the table if necessary.

^(c) Specify feeding situation as pasture, stall fed, confined, open range, etc.

⁽¹⁾ In the documentation boxes to all Sectoral background data tables for Agriculture, Parties should provide information on whether the activity data is one year or a 3-year average.

⁽²⁾ Parties are encouraged to provide detailed livestock population data by animal type and region in a separate table below the documentation box. This consistent set of animal population statistics should be used to estimate CH₄ emissions from enteric fermentation, CH₄ and N₂O from manure management, N₂O direct emissions from soil and N₂O emissions associated with manure production, as well as emissions from the use of manure as fuel, and sewage-related emissions reported in the waste sector.

⁽³⁾ Including data on dairy heifers, if available.

Documentation box:

TABLE 4.B(a) SECTORAL BACKGROUND DATA FOR AGRICULTURE
CH₄ Emissions from Manure Management
 (Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS CH ₄ (kg CH ₄ /head/yr)	
	Population size (1) (1000 head)	Allocation by climate region (2)			Typical animal mass (kg)	VS ⁽³⁾ daily excretion (kg dm/head/yr)		CH ₄ producing potential (Bo) ⁽³⁾ (CH ₄ m ³ /kg VS)
		Cool	Temperate	Warm				
1. Cattle	0						0,00	
Dairy Cattle ⁽⁴⁾	640						21,80	
Non-Dairy Cattle	1,247						1,60	
2. Buffalo	0						0,00	
3. Sheep	69						0,46	
4. Goats	0						0,00	
5. Camels and Llamas	0						0,00	
6. Horses	40						1,10	
7. Mules and Asses	0						0,00	
8. Swine	9,305						2,54	
9. Poultry	19,645						0,03	

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ Climate regions are defined in terms of annual average temperature as follows: Cool=less than 15°C; Temperate=15°C to 25°C inclusive; and Warm=greater than 25°C (see Table 4.2 of the IPCC Guidelines (Volume 3, Reference Manual, p. 4.8)).

⁽³⁾ VS=Volatile Solids; Bo=maximum methane producing capacity for manure IPCC Guidelines (Volume 3, Reference Manual, p.4.23 and p. 4.15.

⁽⁴⁾ Including data on dairy heifers, if available.

Documentation Box:

Additional information (for Tier 2)

Animal category ^(a)	Indicator	Climate region	Animal waste management system					
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range paddock	Other
Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Non-Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Swine	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						

^(a) Copy the above table as many times as necessary.

^(b) MCF = Methane Conversion Factor (IPCC Guidelines, (Volume 3, Reference Manual, p. 4.9)). In the case of use of other climate region categorization, please replace the entries in the cells with the climate regions for which the MCFs are specified.

TABLE 4.B(b) SECTORAL BACKGROUND DATA FOR AGRICULTURE
N₂O Emissions from Manure Management
 (Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION								IMPLIED EMISSION FACTORS	
	Population size (⁽¹⁾ 1000s)	Nitrogen excretion (kg N/head/yr)	Nitrogen excretion per animal waste management system (kg N/yr)						Emission factor per animal waste management system (kg N ₂ O-N/kg N)	
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range and paddock	Other		
Non-Dairy Cattle	640								Anaerobic lagoon	0,000
Dairy Cattle	1,247								Liquid system	0,000
Sheep	69								Solid storage and dry lot	0,000
Swine	9,305								Other	0,000
Poultry	19,645									
Other (please specify) <input type="text"/>										
Total per AWMS⁽²⁾			0,0	0,0	0,0	0,0	0,0	0,0		

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ AWMS - Animal Waste Management System.

Documentation box:

TABLE 4.C SECTORAL BACKGROUND DATA FOR AGRICULTURE

Rice Cultivation

(Sheet 1 of 1)

Denmark

1999

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR ⁽¹⁾	EMISSIONS
	Harvested area ⁽²⁾ (10 ⁻⁹ m ² /yr)	Organic amendments added ⁽³⁾ :		CH ₄ (g/m ²)	CH ₄ (Gg)
		type	(t/ha)		
1. Irrigated					0,00
Continuously Flooded				0,00	
Intermittently Flooded	Single Aeration			0,00	
	Multiple Aeration			0,00	
2. Rainfed					0,00
Flood Prone				0,00	
Drought Prone				0,00	
3. Deep Water					0,00
Water Depth 50-100 cm				0,00	
Water Depth > 100 cm				0,00	
4. Other (please specify)					0,00
				0,00	
Upland Rice ⁽⁴⁾					
Total ⁽⁴⁾	0,00				

⁽¹⁾ The implied emission factor takes account of all relevant corrections for continuously flooded fields without organic amendment plus the correction for the organic amendments, if used, as well as of the effect of different soil characteristics, if taken into account, on methane emissions.

⁽²⁾ Harvested area is the cultivated area multiplied by the number of cropping seasons per year.

⁽³⁾ Specify dry weight or wet weight for organic amendments.

⁽⁴⁾

Documentation box:

When disaggregating by more than one region within a country, provide additional information in the documentation box.

Where available, provide activity data and scaling factors by soil type and rice cultivar.

TABLE 4.D SECTORAL BACKGROUND DATA FOR AGRICULTURE
Agricultural Soils⁽¹⁾
(Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION		IMPLIED EMISSION FACTORS		EMISSIONS (Gg N ₂ O)
	Description	Value	Unit		
Direct Soil Emissions	N input to soils (kg N/yr)				16,09
Synthetic Fertilizers	Use of synthetic fertilizers (kg N/yr)	256.900.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,012	4,96
Animal Wastes Applied to Soils	Nitrogen input from manure applied to soils (kg N/yr)	243.070.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,009	3,42
N-fixing Crops	Dry pulses and soybeans produced (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	0,79
Crop Residue	Dry production of other crops (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	6,78
Cultivation of Histosols	Area of cultivated organic soils (ha)	18.400	(kg N ₂ O-N/ha) ⁽²⁾	5,000	0,14
Animal Production	N excretion on pasture range and paddock (kg N/yr)	27.930.000	(kg N₂O-N/kg N)⁽²⁾	0,019	0,82
Indirect Emissions					8,89
Atmospheric Deposition	Volatized N (NH ₃ and NO _x) from fertilizers and animal wastes (kg N/yr)	75.882.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,010	1,19
Nitrogen Leaching and Run-off	N from fertilizers and animal wastes that is lost through leaching and run off (kg N/yr)	196.000.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,025	7,70
Other (please specify)					0,17
Sewage sludge used as fertilizer	(kg N/yr)	3.960.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,013	0,08
Industrial waste used as fertilizer	(kg N/yr)	4.900.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,013	0,10
				0,000	

Additional information

Fraction ^(a)	Description	Value
Frac _{BURN}	Fraction of crop residue burned	0,00
Frac _{FUEL}	Fraction of livestock N excretion in excrements burned for fuel	0,00
Frac _{GASF}	Fraction of synthetic fertilizer N applied to soils that volatilizes as NH ₃ and NO _x	0,02
Frac _{GASM}	Fraction of livestock N excretion that volatilizes as NH ₃ and NO _x	0,28
Frac _{GRAZ}	Fraction of livestock N excreted and deposited onto soil during grazing	
Frac _{LEACH}	Fraction of N input to soils that is lost through leaching and runoff	
Frac _{NCRBF}	Fraction of N in non-N-fixing crop	
Frac _{NCRO}	Fraction of N in N-fixing crop	
Frac _R	Fraction of crop residue removed from the field as crop	

^(a) Use the fractions as specified in the IPCC Guidelines (Volume 3, Reference Manual, pp. 4.92 - 4.113).

⁽¹⁾ See footnote 4 to Summary 1.A. of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category should indicate the amount [Gg] of these emissions or removals and relevant additional information (activity data, implied emissions factors) in the documentation box.

⁽²⁾ To convert from N₂O-N to N₂O emissions, multiply by 44/28.

Documentation box:

TABLE 4.E SECTORAL BACKGROUND DATA FOR AGRICULTURE
Prescribed Burning of Savannas
(Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION					IMPLIED EMISSION FACTORS		EMISSIONS	
	Area of savanna burned (k ha/yr)	Average aboveground biomass density (t dm/ha)	Fraction of savanna burned	Biomass burned (Gg dm)	Nitrogen fraction in biomass	(kg/t dm)		(Gg)	
						CH ₄	N ₂ O	CH ₄	N ₂ O
(specify ecological zone) <input type="checkbox"/>								0,00	0,00
						0,00	0,00		

Additional information

	Living	Dead
Fraction of aboveground biomass		
Fraction oxidized		
Carbon fraction		

Documentation box:

TABLE 4.F SECTORAL BACKGROUND DATA FOR AGRICULTURE
Field Burning of Agricultural Residues
 (Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		EMISSIONS	
	Crop production (t)	Residue/ Crop ratio	Dry matter fraction	Fraction burned in fields	Biomass burned (Gg dm)	Nitrogen fraction in biomass of residues	CH ₄	N ₂ O	CH ₄	N ₂ O
							(kg/t dm)	(kg/t dm)	(Gg)	(Gg)
1. Cereals									0,00	0,00
Wheat							0,00	0,00		
Barley							0,00	0,00		
Maize							0,00	0,00		
Oats							0,00	0,00		
Rye							0,00	0,00		
Rice							0,00	0,00		
Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		
2. Pulse ⁽¹⁾									0,00	0,00
Dry bean							0,00	0,00		
Peas							0,00	0,00		
Soybeans							0,00	0,00		
Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		
3 Tuber and Root									0,00	0,00
Potatoes							0,00	0,00		
Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		
4 Sugar Cane							0,00	0,00		
5 Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		

⁽¹⁾ To be used in Table 4.D of this common reporting format.

Documentation Box:

TABLE 5 SECTORAL REPORT FOR LAND-USE CHANGE AND FORESTRY
(Sheet 1 of 1)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions/ removals	CH ₄	N ₂ O	NO _x	CO
	(Gg)						
Total Land-Use Change and Forestry	0,00	-976,00	-976,00	0,00	0,00	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-976,00	-976,00				
1. Tropical Forests			0,00				
2. Temperate Forests		-976,00	-976,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
Harvested Wood ⁽¹⁾			0,00				
			0,00				
B. Forest and Grassland Conversion⁽²⁾	0,00			0,00	0,00	0,00	0,00
1. Tropical Forests							
2. Temperate Forests							
3. Boreal Forests							
4. Grasslands/Tundra							
5. Other (please specify) <input type="checkbox"/>	0,00			0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00				
1. Tropical Forests			0,00				
2. Temperate Forests			0,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
D. CO₂ Emissions and Removals from Soil	0,00	0,00	0,00				
Cultivation of Mineral Soils			0,00				
Cultivation of Organic Soils			0,00				
Liming of Agricultural Soils			0,00				
Forest Soils			0,00				
Other (please specify) ⁽³⁾ <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
E. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00				

⁽¹⁾ Following the IPCC Guidelines, the harvested wood should be reported under Changes in Forest and Other Woody Biomass Stocks (Volume 3. Reference Manual, p.5.17).

⁽²⁾ Include only the emissions of CO₂ from Forest and Grassland Conversion. Associated removals should be reported under section D.

⁽³⁾ Include emissions from soils not reported under sections A, B and C.

Note: See footnote 4 to Summary 1.A of this common reporting format.

TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark
1999
April 11, 2001

**Changes in Forest and Other Woody Biomass Stocks
(Sheet 1 of 1)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES			ACTIVITY DATA		IMPLIED EMISSION FACTORS	ESTIMATES
			Area of forest/biomass stocks (kha)	Average annual growth rate (t dm/ha)	Implied carbon uptake factor (t C/ha)	Carbon uptake increment (Gg C)
Tropical	Plantations	<i>Acacia spp.</i>			0,00	
		<i>Eucalyptus spp.</i>			0,00	
		<i>Tectona grandis</i>			0,00	
		<i>Pinus spp</i>			0,00	
		<i>Pinus caribaea</i>			0,00	
		Mixed Hardwoods			0,00	
		Mixed Fast-Growing Hardwoods			0,00	
		Mixed Softwoods			0,00	
	Other Forests	Moist			0,00	
		Seasonal			0,00	
		Dry			0,00	
	Other (specify)				0,00	
Temperate	Plantations			0,00		
	Commercial	Evergreen			0,00	
		Deciduous			0,00	
	Other (specify)			0,00		
Boreal				0,00		
			Number of trees (1000s of trees)	Annual growth rate (kt dm/1000 trees)	Carbon uptake factor (t C/tree)	Carbon uptake increment (Gg C)
Non-Forest Trees (specify type)						0,00
Total annual growth increment (Gg C)						0,00
Gg CO ₂						0,00
			Amount of biomass removed (kt dm)	Carbon emission factor (t C/t dm)	Carbon release (Gg C)	
Total biomass removed in Commercial Harvest				0,00		
Traditional Fuelwood Consumed				0,00		
Total Other Wood Use				0,00		
Total Biomass Consumption from Stocks ⁽¹⁾ (Gg C)					0,00	
Other Changes in Carbon Stocks ⁽²⁾ (Gg C)						
Gg CO ₂						0,00
Net annual carbon uptake (+) or release (-) (Gg C)						0,00
Net CO ₂ emissions (-) or removals (+) (Gg CO ₂)						0,00

⁽¹⁾ Make sure that the quantity of biomass burned off-site is subtracted from this total.

⁽²⁾ The net annual carbon uptake/release is determined by comparing the annual biomass growth versus annual harvest, including the decay of forest products and slash left during harvest. The IPCC Guidelines recommend default assumption that all carbon removed in wood and other biomass from forests is oxidized in the year of removal. The emissions from decay could be included under Other Changes in Carbon Stocks.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.C SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Abandonment of Managed Lands
 (Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		ESTIMATES	
		Total area abandoned and regrowing ⁽¹⁾		Annual rate of aboveground biomass growth		Carbon fraction of aboveground biomass		Rate of aboveground biomass carbon uptake		Annual carbon uptake in aboveground biomass	
		first 20 years (kha)	>20 years (kha)	first 20 years (t dm/ha)	>20 years (t dm/ha)	first 20 years	>20 years	first 20 years (t C/ha/yr)	>20 years (t C/ha/yr)	first 20 years (Gg C/yr)	>20 years (Gg C/yr)
Original natural ecosystems											
Tropical	Wet/Very Moist							0,00	0,00		
	Moist, short dry season							0,00	0,00		
	Moist, long dry season							0,00	0,00		
	Dry							0,00	0,00		
	Montane Moist							0,00	0,00		
	Montane Dry							0,00	0,00		
Tropical Savanna/Grasslands								0,00	0,00		
Temperate	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Broadleaf							0,00	0,00		
Grasslands								0,00	0,00		
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Forest-tundra							0,00	0,00		
Grasslands/Tundra								0,00	0,00		
Other (please specify)								0,00	0,00		
								0,00	0,00		
										Total annual carbon uptake (Gg C)	0,00
										Total annual CO ₂ removal (Gg CO ₂)	0,00

⁽¹⁾ If lands are regenerating to grassland, then the default assumption is that no significant changes in above-ground biomass occur.

Note: Sectoral background data tables on Land-use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.D SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
CO₂ Emissions and Removals from Soil
 (Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS	ESTIMATES
	Land area (Mha)	Average annual rate of soil carbon uptake/removal (Mg C/ha/yr)	Net change in soil carbon in mineral soils (Tg C over 20 yr)
Cultivation of Mineral Soils ⁽¹⁾			0,00
High Activity Soils		0,00	
Low Activity Soils		0,00	
Sandy		0,00	
Volcanic		0,00	
Wetland (Aquic)		0,00	
Other (please specify) <input type="checkbox"/>			0,00
		0,00	
	Land area (ha)	Annual loss rate (Mg C/ha/yr)	Carbon emissions from organic soils (Mg C/yr)
Cultivation of Organic Soils			0,00
<i>Cool Temperate</i>			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
<i>Warm Temperate</i>			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
<i>Tropical</i>			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
	Total annual amount of lime (Mg)	Carbon conversion factor	Carbon emissions from liming (Mg C)
Liming of Agricultural Soils			0,00
Limestone Ca(CO ₃)		0,00	
Dolomite CaMg(CO ₃) ₂		0,00	
Total annual net carbon emissions from agriculturally impacted soils (Gg C)			0,00
Total annual net CO ₂ emissions from agriculturally impacted soils (Gg CO ₂)			0,00

Additional information

Year	Climate ^(a)	land-use/ management system ^(a)	Soil type					
			High activity soils	Low activity soils	Sandy	Volcanic	Wetland (Aquic)	Organic soil
percent distribution (%)								
20 years prior	(e.g. tropical, dry)	(e.g. savanna)						
		(e.g. irrigated cropping)						
inventory year								

^(a) These should represent the major types of land management systems per climate regions presented in the country as well as ecosystem types which were either converted to agriculture (e.g., forest, savanna, grassland) or have been derived from previous agricultural land-use (e.g., abandoned lands, reforested lands). Systems should also reflect differences in soil carbon stocks that can be related to differences in management (IPCC Guidelines (Volume 2. Workbook, Table 5-9, p. 5.26, and Appendix (pp. 5-31 - 5.38)).

⁽¹⁾ The information to be reported under Cultivation of Mineral Soils aggregates data per soil type over all land-use/management systems. This refers to land area data and to the emission estimates and implied emissions factors accordingly.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation Box:

TABLE 6 SECTORAL REPORT FOR WASTE
(Sheet 1 of 1)

Denmark

1999

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Waste	0,00	52,84	0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	0,00	52,84		0,00	0,00	0,00	
1. Managed Waste Disposal on Land	0,00	52,84					
2. Unmanaged Waste Disposal Sites	0,00	0,00					
3. Other (please specify) <input type="checkbox"/>	0,00	0,00		0,00	0,00	0,00	
B. Wastewater Handling		0,00	0,00	0,00	0,00	0,00	
1. Industrial Wastewater		0,00	0,00				
2. Domestic and Commercial Wastewater		0,00	0,00				
3. Other (please specify) <input type="checkbox"/>		0,00	0,00	0,00	0,00	0,00	
C. Waste Incineration	0,00	0,00	0,00				
D. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biological or inorganic waste sources.

TABLE 6.A SECTORAL BACKGROUND DATA FOR WASTE
Solid Waste Disposal
(Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION				IMPLIED EMISSION FACTOR		EMISSIONS ⁽¹⁾	
	Annual MSW at the SWDS (Gg)	MCF	DOC degraded (Gg)	CH ₄ recovery ⁽²⁾ (Gg)	CH ₄ (t/t MSW)	CO ₂ (t/t MSW)	CH ₄ (Gg)	CO ₂ ⁽³⁾ (Gg)
1 Managed Waste Disposal on Land	1,467,00				0,04	0,00	52,84	
2 Unmanaged Waste Disposal Sites					0,00	0,00	0,00	0,00
- deep (>5 m)	0,00				0,00	0,00		
- shallow (<5 m)					0,00	0,00		
3 Other (please specify)					0,00	0,00	0,00	0,00

Additional information

Description	Value
Total population (1000s) ^(a)	
Urban population (1000s) ^(a)	
Waste generation rate (kg/capita/day)	
Fraction of MSW disposed to SWDS	
Fraction of DOC in MSW	
Fraction of wastes incinerated	
Fraction of wastes recycled	
CH ₄ oxidation factor (b)	
CH ₄ fraction in landfill gas	
Number of SWDS recovering CH ₄	
CH ₄ generation rate constant (k) ^(c)	
Time lag considered (yr) ^(c)	
Composition of landfilled waste (%)	
Paper and paperboard	
Food and garden waste	
Plastics	
Glass	
Textiles	
Other (specify)	
other - inert	
other - organic	

TABLE 6.C SECTORAL BACKGROUND DATA FOR WASTE
Waste Incineration
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA Amount of incinerated wastes (Gg)	IMPLIED EMISSION FACTOR			EMISSIONS		
		CO ₂ (kg/t waste)	CH ₄ (kg/t waste)	N ₂ O (kg/t waste)	CO ₂ ⁽³⁾ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Waste Incineration (please specify)	0,00				0,00	0,00	0,00
(biogenic) ⁽³⁾		0,00	0,00	0,00			
(plastics and other non-biogenic waste) ⁽³⁾		0,00	0,00	0,00			
		0,00	0,00	0,00			

MSW - Municipal Solid Waste, SWDS - Solid Waste Disposal Site, MCF - Methane Correction Factor, DOC - Degradable Organic Carbon (IPCC Guidelines (Volume 3. Reference Manual, section 6.2.4)). MSW includes household waste, yard/garden waste, commercial/market waste and organic industrial solid waste. MSW should not include inorganic industrial waste such as construction or demolition materials.

⁽¹⁾ Actual emissions (after recovery).

⁽²⁾ CH₄ recovered and flared or utilized.

⁽³⁾ Under Waste Disposal, CO₂ emissions should be reported only when the disposed wastes are combusted at the disposal site which might constitute a management practice. CO₂ emissions from non-biogenic wastes are included in the totals, while the CO₂ emissions from biogenic wastes are not included in the totals.

Documentation box:

All relevant information used in calculation should be provided in the additional information box and in the documentation box.
 Parties that use country specific models should note this with a brief rationale in the documentation box and fill the relevant cells only.

^(a) Specify whether total or urban population is used and the rationale for doing so.

^(b) See IPCC Guidelines (Volume 3. Reference Manual, p. 6.9).

^(c) For Parties using Tier 2 methods.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)

(Sheet 1 of 3)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)					(Gg)			
Total National Emissions and Removals	56,976,41	-976,00	268,77	31,02	1,735,94	621,17	42,00	30,10	0,01	0,00	208,74	534,00	135,98	55,91
1. Energy	55,461,55		47,61	3,58							208,29	534,00	86,73	55,91
A. Fuel Combustion														
Reference Approach ⁽²⁾	0,00													
Sectoral Approach ⁽²⁾	54,561,15		31,66	3,56							203,52	507,11	75,28	54,50
1. Energy Industries	28,236,66		17,68	0,93							55,61	13,32	1,70	37,14
2. Manufacturing Industries and Construction	6,121,22		1,51	0,44							27,96	17,66	4,55	8,65
3. Transport	12,156,18		3,10	1,46							79,37	274,74	51,22	4,30
4. Other Sectors	7,864,75		9,36	0,73							39,70	200,69	17,68	4,38
5. Other	182,35		0,01	0,01							0,89	0,69	0,13	0,02
B. Fugitive Emissions from Fuels	900,39		15,95	0,02							4,77	26,89	11,45	1,41
1. Solid Fuels	0,00		3,32	0,00							0,00	23,80	0,00	0,00
2. Oil and Natural Gas	900,39		12,63	0,02							4,77	3,09	11,45	1,41
2. Industrial Processes	1,401,62		0,00	0,00	1,735,94	621,17	42,00	30,10	0,01	0,00	0,45	0,00	0,51	0,00
A. Mineral Products	1,401,62		0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,45	0,00	0,00	0,00
C. Metal Production	0,00		0,00	0,00				0,00		0,00	0,00	0,00	0,00	0,00
D. Other Production ⁽³⁾	0,00										0,00	0,00	0,51	0,00
E. Production of Halocarbons and SF ₆						0,00		0,00		0,00				
F. Consumption of Halocarbons and SF ₆					1,735,94	621,17	42,00	30,10	0,01	0,00				
G. Other	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach. Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ Other Production includes Pulp and Paper and Food and Drink Production.

Note: The numbering of footnotes to all tables containing more than one sheet continue to the next sheet. Common footnotes are given only once at the first point of reference.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	emissions	removals			P	A	P	A	P	A				
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
3. Solvent and Other Product Use	113,24			0,00									38,54	
4. Agriculture	0,00	0,00	168,31	27,45							0,00	0,00	1,19	0,00
A. Enteric Fermentation			127,95											
B. Manure Management			40,36	1,47									0,00	
C. Rice Cultivation			0,00										0,00	
D. Agricultural Soils	⁽⁴⁾	⁽⁴⁾	0,00	25,97									1,19	
E. Prescribed Burning of Savannas			0,00	0,00							0,00	0,00	0,00	
F. Field Burning of Agricultural Residues			0,00	0,00							0,00	0,00	0,00	
G. Other			0,00	0,00							0,00	0,00	0,00	
5. Land-Use Change and Forestry	⁽⁵⁾	0,00	⁽⁵⁾	-976,00	0,00	0,00					0,00	0,00	9,01	0,00
A. Changes in Forest and Other Woody Biomass Stocks	⁽⁵⁾	0,00	⁽⁵⁾	-976,00										
B. Forest and Grassland Conversion		0,00		0,00	0,00						0,00	0,00		
C. Abandonment of Managed Lands	⁽⁵⁾	0,00	⁽⁵⁾	0,00										
D. CO ₂ Emissions and Removals from Soil	⁽⁵⁾	0,00	⁽⁵⁾	0,00										
E. Other	⁽⁵⁾	0,00	⁽⁵⁾	0,00	0,00	0,00					0,00	0,00	9,01	
6. Waste	0,00		52,84	0,00							0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	⁽⁶⁾	0,00	52,84									0,00	0,00	
B. Wastewater Handling			0,00	0,00							0,00	0,00	0,00	
C. Waste Incineration	⁽⁶⁾	0,00	0,00	0,00							0,00	0,00	0,00	0,00
D. Other		0,00	0,00	0,00							0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽⁴⁾ According to the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.2, 4.87), CO₂ emissions from agricultural soils are to be included under Land-Use Change and Forestry (LUCF). At the same time, the Summary Report 7A (Volume 1. Reporting Instructions, Tables.27) allows for reporting CO₂ emissions or removals from agricultural soils, either in the Agriculture sector, under D. Agricultural Soils or in the Land-Use Change and Forestry sector under D. Emissions and Removals from Soil. Parties may choose either way to report emissions or removals from this source in the common reporting format, but the way they have chosen to report should be clearly indicated, by inserting explanatory comments to the corresponding cells of Summary 1.A and Summary 1.B. Double-counting of these emissions or removals should be avoided. Parties should include these emissions or removals consistently in Table8(a) (Recalculation - Recalculated data) and Table10 (Emission trends).

⁽⁵⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽⁶⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biogenic or inorganic waste streams.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs		PFCs		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)					(Gg)			
Memo Items: ⁽⁷⁾														
International Bunkers	6,459,70		0,14	0,36							122,94	11,81	3,46	57,51
Aviation	2,314,14		0,04	0,09							9,33	2,15	0,42	0,15
Marine	4,145,55		0,09	0,26							113,61	9,66	3,04	57,36
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	6,280,94													

⁽⁷⁾ Memo Items are not included in the national totals.

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
	P	A	P	A	P	A	P	A	P	A				
Total National Emissions and Removals	56.976,41	-976,00	268,77	31,02	1.735,94	621,17	42,00	30,10	0,01	0,00	208,74	534,00	135,98	55,91
1. Energy	55.461,55		47,61	3,58							208,29	534,00	86,73	55,91
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	54.561,15	31,66	3,56							203,52	507,11	75,28	54,50
B. Fugitive Emissions from Fuels		900,39	15,95	0,02							4,77	26,89	11,45	1,41
2. Industrial Processes	1.401,62		0,00	0,00	1.735,94	621,17	42,00	30,10	0,01	0,00	0,45	0,00	0,51	0,00
3. Solvent and Other Product Use	113,24			0,00							0,00	0,00	38,54	0,00
4. Agriculture⁽³⁾	0,00	0,00	168,31	27,45							0,00	0,00	1,19	0,00
5. Land-Use Change and Forestry⁽⁴⁾	0,00⁽⁴⁾	-976,00⁽⁴⁾	0,00	0,00							0,00	0,00	9,01	0,00
6. Waste	0,00		52,84	0,00							0,00	0,00	0,00	0,00
7. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:														
International Bunkers	6.459,70		0,14	0,36							122,94	11,81	3,46	57,51
Aviation	2.314,14		0,04	0,09							9,33	2,15	0,42	0,15
Marine	4.145,55		0,09	0,26							113,61	9,66	3,04	57,36
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	6.280,94													

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in document box of Table 1.A(c). Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ See footnote 4 to Summary 1.A.

⁽⁴⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

SUMMARY 2 SUMMARY REPORT FOR CO₂ EQUIVALENT EMISSIONS
(Sheet 1 of 1)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	Total
	CO ₂ equivalent (Gg)						
Total (Net Emissions)⁽¹⁾	56.000,41	5.644,07	9.617,27	621,17	30,10	64,77	71.977,79
1. Energy	55.461,55	999,77	1.109,25				57.570,57
A. Fuel Combustion (Sectoral Approach)	54.561,15	664,88	1.104,34				56.330,38
1. Energy Industries	28.236,66	371,32	287,66				28.895,64
2. Manufacturing Industries and Construction	6.121,22	31,79	137,23				6.290,24
3. Transport	12.156,18	65,08	452,14				12.673,39
4. Other Sectors	7.864,75	196,47	224,96				8.286,17
5. Other	182,35	0,23	2,36				184,94
B. Fugitive Emissions from Fuels	900,39	334,89	4,91				1.240,19
1. Solid Fuels	0,00	69,72	0,00				69,72
2. Oil and Natural Gas	900,39	265,17	4,91				1.170,47
2. Industrial Processes	1.401,62	0,00	0,00	621,17	30,10	64,77	2.117,66
A. Mineral Products	1.401,62	0,00	0,00				1.401,62
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00		0,00	16,73	16,73
D. Other Production	0,00						0,00
E. Production of Halocarbons and SF ₆				0,00	0,00	0,00	0,00
F. Consumption of Halocarbons and SF ₆				621,17	30,10	48,04	699,31
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	113,24		0,00				113,24
4. Agriculture	0,00	3.534,60	8.508,02				12.042,62
A. Enteric Fermentation		2.686,96					2.686,96
B. Manure Management		847,64	455,91				1.303,55
C. Rice Cultivation		0,00					0,00
D. Agricultural Soils ⁽²⁾		0,00	8.052,11				8.052,11
E. Prescribed Burning of Savannas		0,00	0,00				0,00
F. Field Burning of Agricultural Residues		0,00	0,00				0,00
G. Other		0,00	0,00				0,00
5. Land-Use Change and Forestry⁽¹⁾	-976,00	0,00	0,00				-976,00
6. Waste	0,00	1.109,70	0,00				1.109,70
A. Solid Waste Disposal on Land	0,00	1.109,70					1.109,70
B. Wastewater Handling		0,00	0,00				0,00
C. Waste Incineration	0,00	0,00	0,00				0,00
D. Other	0,00	0,00	0,00				0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:							
International Bunkers	6.459,70	2,88	110,08				6.572,66
Aviation	2.314,14	0,91	28,90				2.343,95
Marine	4.145,55	1,98	81,19				4.228,72
Multilateral Operations	0,00	0,00	0,00				0,00
CO₂ Emissions from Biomass	6.280,94						6.280,94

⁽¹⁾ For CO₂ emissions from Land-Use Change and Forestry the net emissions are to be reported. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions / removals	CH ₄	N ₂ O	Total emissions
	CO ₂ equivalent (Gg)					
Land-Use Change and Forestry						
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-976,00	-976,00			-976,00
B. Forest and Grassland Conversion	0,00		0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00			0,00
D. CO ₂ Emissions and Removals from Soil	0,00	0,00	0,00			0,00
E. Other	0,00	0,00	0,00	0,00	0,00	0,00
Total CO₂ Equivalent Emissions from Land-Use Change and Forestry	0,00	-976,00	-976,00	0,00	0,00	-976,00

Total CO₂ Equivalent Emissions without Land-Use Change and Forestry^(a) 72.953,79

Total CO₂ Equivalent Emissions with Land-Use Change and Forestry^(a) 71.977,79

^(a) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 1 of 2)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
1. Energy												
A. Fuel Combustion												
1. Energy Industries												
2. Manufacturing Industries and Construction												
3. Transport												
4. Other Sectors												
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
2. Oil and Natural Gas												
2. Industrial Processes												
A. Mineral Products												
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF ₆												
F. Consumption of Halocarbons and SF ₆												
G. Other												

⁽¹⁾ Use the following notation keys to specify the method applied: D (IPCC default), RA (Reference Approach), T1 (IPCC Tier 1), T1a, T1b, T1c (IPCC Tier 1a, Tier 1b and Tier 1c, respectively), T2 (IPCC Tier 2), T3 (IPCC Tier 3), C (CORINAIR), CS (Country Specific), M (Model). If using more than one method, enumerate the relevant methods. Explanations of any modifications to the default IPCC methods, as well as information on the proper use of methods per source category where more than one method is indicated, and explanations on the country specific methods, should be provided in the documentation box of the relevant Sectoral background data table.

⁽²⁾ Use the following notation keys to specify the emission factor used: D (IPCC default), C (CORINAIR), CS (Country Specific), PS (Plant Specific), M (Model). Where a mix of emission factors has been used, use different notations in one and the same cells with further explanation in the documentation box of the relevant Sectoral background data table.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 2 of 2)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation												
B. Manure Management												
C. Rice Cultivation												
D. Agricultural Soils												
E. Prescribed Burning of Savannas												
F. Field Burning of Agricultural Residues												
G. Other												
5. Land-Use Change and Forestry												
A. Changes in Forest and Other Woody Biomass Stocks												
B. Forest and Grassland Conversion												
C. Abandonment of Managed Lands												
D. CO ₂ Emissions and Removals from Soil												
E. Other												
6. Waste												
A. Solid Waste Disposal on Land												
B. Wastewater Handling												
C. Waste Incineration												
D. Other												
7. Other (please specify) <input type="checkbox"/>												

TABLE 7 OVERVIEW TABLE⁽¹⁾ FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 1 of 3)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
Total National Emissions and Removals																					
1 Energy																					
A. Fuel Combustion Activities																					
Reference Approach																					
Sectoral Approach																					
1. Energy Industries																					
2. Manufacturing Industries and Construction																					
3. Transport																					
4. Other Sectors																					
5. Other																					
B. Fugitive Emissions from Fuels																					
1. Solid Fuels																					
2. Oil and Natural Gas																					
2 Industrial Processes																					
A. Mineral Products																					
B. Chemical Industry																					
C. Metal Production																					
D. Other Production																					
E. Production of Halocarbons and SF ₆																					

⁽¹⁾ This table is intended to be used by Parties to summarize their own assessment of completeness (e.g. partial, full estimate, not estimated) and quality (high, medium, low) of major source/sink inventory estimates. The latter could be understood as a quality assessment of the uncertainty of the estimates. This table might change once the IPCC completes its work on managing uncertainties of GHG inventories. The title of the table was kept for consistency with the current table in the IPCC Guidelines.

Note: To fill in the table use the notation key as given in the IPCC Guidelines (Volume 1. Reporting Instructions, Tables. 37).

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 2 of 3)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
2 Industrial Processes (continued)																					
F. Consumption of Halocarbons and SF ₆																					
Potential ⁽²⁾																					
Actual ⁽³⁾																					
G. Other																					
3 Solvent and Other Product Use																					
4 Agriculture																					
A. Enteric Fermentation																					
B. Manure Management																					
C. Rice Cultivation																					
D. Agricultural Soils																					
E. Prescribed Burning of Savannas																					
F. Field Burning of Agricultural Residues																					
G. Other																					
5 Land-Use Change and Forestry																					
A. Changes in Forest and Other Woody Biomass Stocks																					
B. Forest and Grassland Conversion																					

⁽²⁾ Potential emissions based on Tier 1 approach of the IPCC Guidelines.

⁽³⁾ Actual emissions based on Tier 2 approach of the IPCC Guidelines.

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
 (Sheet 3 of 3)

Denmark
 1999
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
5 Land-Use Change and Forestry (continued)																					
C. Abandonment of Managed Lands																					
D. CO ₂ Emissions and Removals from Soil																					
E. Other																					
6 Waste																					
A. Solid Waste Disposal on Land																					
B. Wastewater Handling																					
C. Waste Incineration																					
D. Other																					
7 Other (please specify)																					
Memo Items:																					
International Bunkers																					
Aviation																					
Marine																					
Multilateral Operations																					
CO₂ Emissions from Biomass																					

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated year:
(Sheet 1 of 2)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂			CH ₄			N ₂ O		
	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾
	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)
Total National Emissions and Removals			0,00			0,00			0,00
1. Energy			0,00			0,00			0,00
1.A. Fuel Combustion Activities			0,00			0,00			0,00
1.A.1. Energy Industries			0,00			0,00			0,00
1.A.2. Manufacturing Industries and Construction			0,00			0,00			0,00
1.A.3. Transport			0,00			0,00			0,00
1.A.4. Other Sectors			0,00			0,00			0,00
1.A.5. Other			0,00			0,00			0,00
1.B. Fugitive Emissions from Fuels			0,00			0,00			0,00
1.B.1. Solid fuel			0,00			0,00			0,00
1.B.2. Oil and Natural Gas			0,00			0,00			0,00
2. Industrial Processes			0,00			0,00			0,00
2.A. Mineral Products			0,00			0,00			0,00
2.B. Chemical Industry			0,00			0,00			0,00
2.C. Metal Production			0,00			0,00			0,00
2.D. Other Production			0,00			0,00			0,00
2.G. Other			0,00			0,00			0,00
3. Solvent and Other Product Use			0,00			0,00			0,00
4. Agriculture			0,00			0,00			0,00
4.A. Enteric Fermentation						0,00			
4.B. Manure Management						0,00			0,00
4.C. Rice Cultivation						0,00			
4.D. Agricultural Soils ⁽²⁾			0,00			0,00			0,00
4.E. Prescribed Burning of Savannas						0,00			0,00
4.F. Field Burning of Agricultural Residues						0,00			0,00
4.G. Other						0,00			0,00
5. Land-Use Change and Forestry (net)			0,00			0,00			0,00
5.A. Changes in Forest and Other Woody Biomass Stocks			0,00						
5.B. Forest and Grassland Conversion			0,00			0,00			0,00
5.C. Abandonment of Managed Lands			0,00						
5.D. CO ₂ Emissions and Removals from Soil			0,00						
5.E. Other			0,00			0,00			0,00

⁽¹⁾ Estimate the percentage change due to recalculation with respect to the previous submission (Percentage change = 100% x [(LS-PS)/PS], where LS = Latest submission and PS = Previous submission. All cases of recalculation of the estimate of the source/sink category, should be addressed and explained in Table 8(b) of this common reporting format.

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Denmark
 1999
 April 11, 2001

Specify the sector and source/sink category ⁽¹⁾ where changes in estimates have occurred:	GHG	RECALCULATION DUE TO			
		CHANGES IN:			Addition/removal/ replacement of source/sink categories
		Methods ⁽²⁾	Emission factors ⁽²⁾	Activity data ⁽²⁾	

⁽¹⁾ Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table (see Table 8(a)).

⁽²⁾ Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in Table 8(a). Include relevant changes in the assumptions and coefficients under the "Methods" column.

Documentation box: Use the documentation box to report the justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory.

TABLE 9 COMPLETENESS
(Sheet 1 of 2)

Denmark
1999
April 11, 2001

Sources and sinks not reported (NE) ⁽¹⁾				
GHG	Sector ⁽²⁾	Source/sink category ⁽²⁾	Explanation	
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				
Sources and sinks reported elsewhere (IE) ⁽³⁾				
GHG	Source/sink category	Allocation as per IPCC Guidelines	Allocation used by the Party	Explanation
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				


⁽¹⁾ Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.

⁽²⁾ Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).

⁽³⁾ Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.

TABLE 9 COMPLETENESS
(Sheet 2 of 2)

Denmark
 1999
 April 11, 2001

Additional GHG emissions reported ⁽⁴⁾						
GHG 	Source category	Emissions (Gg)	Estimated GWP value (100-year horizon)	Emissions CO ₂ equivalent (Gg)	Reference to the data source of GWP value	Explanation

⁽⁴⁾ Parties are encouraged to provide information on emissions of greenhouse gases whose GWP values have not yet been agreed upon by the COP. Please include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

TABLE 10 EMISSIONS TRENDS (CO₂)
(Sheet 1 of 5)

Denmark
1999
April 11, 2001

	Base year(1)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
GREENHOUSE GAS SOURCE AND SINK CATEGORIES											
(Gg)											
1. Energy	0.00	51,915.51	62,367.40	56,893.20	58,548.62	62,424.36	59,257.72	72,530.35	62,885.50	58,652.41	55,461.55
A. Fuel Combustion (Sectoral Approach)	0.00	51,675.51	61,872.81	56,382.42	58,103.72	61,983.23	58,923.81	72,152.76	62,373.88	58,231.79	54,561.15
1. Energy Industries		26,215.70	35,142.39	29,777.85	31,267.86	35,624.07	32,152.68	44,379.19	35,275.45	31,506.24	28,236.66
2. Manufacturing Industries and Construction		6,040.24	6,369.24	6,466.89	6,415.55	6,513.15	6,069.76	6,331.96	6,304.63	6,078.53	6,121.22
3. Transport		10,355.99	10,873.45	10,992.74	11,192.37	11,634.20	11,765.19	11,989.66	12,098.06	12,419.13	12,156.18
4. Other Sectors		8,944.57	9,201.05	9,004.15	8,990.82	7,960.29	8,684.29	9,276.03	8,524.91	8,023.85	7,864.75
5. Other		119.01	286.69	140.79	237.13	251.52	251.89	175.92	170.83	204.03	182.35
B. Fugitive Emissions from Fuels	0.00	240.00	494.59	510.78	444.90	441.13	333.92	377.59	511.62	420.62	900.39
1. Solid Fuels		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Oil and Natural Gas		240.00	494.59	510.78	444.90	441.13	333.92	377.59	511.62	420.62	900.39
2. Industrial Processes	0.00	1,005.50	1,178.08	1,300.49	1,310.99	1,317.77	1,311.00	1,388.14	1,539.32	1,436.25	1,401.62
A. Mineral Products		1,005.50	1,178.08	1,300.49	1,310.99	1,317.77	1,311.00	1,388.14	1,539.32	1,436.25	1,401.62
B. Chemical Industry		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C. Metal Production		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Other Production		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E. Production of Halocarbons and SF ₆											
F. Consumption of Halocarbons and SF ₆											
G. Other		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Solvent and Other Product Use		123.58	122.40	121.22	125.49	118.87	117.67	116.48	115.30	114.11	113.24
4. Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A. Enteric Fermentation											
B. Manure Management											
C. Rice Cultivation											
D. Agricultural Soils (2)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E. Prescribed Burning of Savannas											
F. Field Burning of Agricultural Residues											
G. Other											
5. Land-Use Change and Forestry (3)	0.00	-916.00	-918.00	-921.00	-924.00	-928.00	-931.00	-941.00	-951.00	-964.00	-976.00
A. Changes in Forest and Other Woody Biomass Stocks		-916.00	-918.00	-921.00	-924.00	-928.00	-931.00	-941.00	-951.00	-964.00	-976.00
B. Forest and Grassland Conversion											
C. Abandonment of Managed Lands		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. CO ₂ Emissions and Removals from Soil		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E. Other		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6. Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
A. Solid Waste Disposal on Land											
B. Waste-water Handling											
C. Waste Incineration											
D. Other											
7. Other (please specify)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions/Removals with LUCF (4)	0.00	52,128.59	62,749.88	57,393.90	59,061.09	62,933.00	59,755.39	73,093.97	63,589.12	59,238.76	56,000.41
Total Emissions without LUCF(4)	0.00	53,044.59	63,667.88	58,314.90	59,985.09	63,861.00	60,686.39	74,034.97	64,540.12	60,202.76	56,976.41
Memo Items:											
International Bankers	0.00	4,889.59	4,432.49	4,614.20	5,993.80	6,685.72	6,963.05	6,806.56	6,448.62	6,595.36	6,459.70
Aviation		1,794.52	1,660.77	1,718.79	1,681.35	1,843.88	1,890.49	1,986.36	2,029.51	2,181.12	2,314.14
Marine		3,095.07	2,771.72	2,895.41	4,312.45	4,841.84	5,072.56	4,820.20	4,419.11	4,414.24	4,145.55
Multilateral Operations		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CO₂ Emissions from Biomass		4,312.34	4,610.14	4,959.19	5,098.44	4,928.08	5,579.73	6,070.69	6,287.57	6,265.73	6,280.94

(1) Fill in the base year adopted by the Party under the Convention, if different from 1990.

(2) See footnote 4 to Summary 1.A of this common reporting format.

(3) Take the net emissions as reported in Summary 1.A of this common reporting format. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

(4) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report CO₂ emissions and removals from Land-Use Change and Forestry.

TABLE 10 EMISSIONS TRENDS (CH4)
(Sheet 2 of 5)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year(1)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
	(Gg)										
Total Emissions	0,00	278,67	280,97	280,98	285,60	280,62	279,49	278,94	271,93	286,55	268,77
1. Energy	0,00	23,42	25,63	25,80	26,38	28,21	29,80	30,61	30,67	47,63	47,61
A. Fuel Combustion (Sectoral Approach)	0,00	10,95	11,86	11,91	11,89	11,26	12,44	13,18	12,86	32,39	31,66
1. Energy Industries		1,07	1,29	1,24	1,26	1,39	1,56	1,61	1,46	19,56	17,68
2. Manufacturing Industries and Construction		0,73	0,76	0,75	0,77	0,82	0,70	0,74	0,77	1,17	1,51
3. Transport		2,70	2,88	2,91	3,02	3,02	3,04	3,11	3,12	3,22	3,10
4. Other Sectors		6,44	6,92	7,01	6,84	6,02	7,11	7,72	7,50	8,43	9,36
5. Other		0,00	0,02	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01
B. Fugitive Emissions from Fuels	0,00	12,47	13,77	13,89	14,49	16,96	17,37	17,42	17,81	15,24	15,95
1. Solid Fuels		3,30	3,87	3,94	4,74	5,58	6,27	6,27	6,27	3,97	3,32
2. Oil and Natural Gas		9,17	9,89	9,94	9,76	11,38	11,10	11,15	11,54	11,27	12,63
2. Industrial Processes	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
A. Mineral Products		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
B. Chemical Industry		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
D. Other Production											
E. Production of Halocarbons and SF6											
F. Consumption of Halocarbons and SF6											
G. Other		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use											
4. Agriculture	0,00	192,86	191,63	190,38	194,52	186,90	186,98	186,23	182,17	183,51	168,31
A. Enteric Fermentation		150,10	148,64	146,36	148,06	142,63	142,52	142,38	137,98	138,07	127,95
B. Manure Management		42,75	42,99	44,02	46,46	44,28	44,47	43,85	44,18	45,45	40,36
C. Rice Cultivation		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
D. Agricultural Soils		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
E. Prescribed Burning of Savannas		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F. Field Burning of Agricultural Residues		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
G. Other		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
5. Land-Use Change and Forestry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks											
B. Forest and Grassland Conversion		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands											
D. CO2 Emissions and Removals from Soil											
E. Other		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
6. Waste	0,00	62,40	63,70	64,80	64,70	65,50	62,70	62,10	59,10	55,40	52,84
A. Solid Waste Disposal on Land		62,40	63,70	64,80	64,70	65,50	62,70	62,10	59,10	55,40	52,84
B. Waste-water Handling		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Waste Incineration		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
D. Other		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:											
International Bunkers	0,00	0,11	0,10	0,10	0,13	0,15	0,15	0,15	0,14	0,14	0,14
Aviation		0,04	0,03	0,04	0,04	0,04	0,04	0,04	0,04	0,04	0,04
Marine		0,07	0,06	0,07	0,10	0,11	0,11	0,11	0,10	0,10	0,09
Multilateral Operations		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
CO2 Emissions from Biomass											

TABLE 10 EMISSIONS TRENDS (N2O)
(Sheet 3 of 5)

Denmark
1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year(1)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
	(Gg)										
Total Emissions	0,00	35,53	35,20	33,08	33,49	32,80	32,59	32,16	30,91	31,19	31,01
1. Energy	0,00	2,43	2,85	2,76	2,89	3,12	3,12	3,64	3,54	3,57	3,58
A. Fuel Combustion (Sectoral Approach)	0,00	2,43	2,84	2,76	2,88	3,12	3,12	3,63	3,53	3,56	3,56
1. Energy Industries		0,87	1,15	0,99	1,04	1,16	1,05	1,43	1,14	1,01	0,93
2. Manufacturing Industries and Construction		0,40	0,41	0,40	0,40	0,40	0,38	0,39	0,40	0,42	0,44
3. Transport		0,46	0,56	0,65	0,75	0,92	1,03	1,14	1,30	1,41	1,46
4. Other Sectors		0,70	0,71	0,70	0,68	0,63	0,64	0,67	0,68	0,71	0,73
5. Other		0,00	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01
B. Fugitive Emissions from Fuels	0,00	0,00	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,02
1. Solid Fuels		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2. Oil and Natural Gas		0,00	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,02
2. Industrial Processes	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
A. Mineral Products		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
B. Chemical Industry		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
D. Other Production											
E. Production of Halocarbons and SF6											
F. Consumption of Halocarbons and SF6											
G. Other		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
4. Agriculture	0,00	33,09	32,35	30,32	30,60	29,68	29,46	28,52	27,37	27,62	27,44
A. Enteric Fermentation											
B. Manure Management		1,49	1,51	1,55	1,60	1,60	1,57	1,57	1,45	1,50	1,47
C. Rice Cultivation											
D. Agricultural Soils		31,60	30,84	28,77	29,00	28,08	27,89	26,95	25,92	26,12	25,96
E. Prescribed Burning of Savannas		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F. Field Burning of Agricultural Residues		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
G. Other		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
5. Land-Use Change and Forestry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks											
B. Forest and Grassland Conversion		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands											
D. CO2 Emissions and Removals from Soil											
E. Other		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
6. Waste	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land											
B. Waste-water Handling		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Waste Incineration		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
D. Other		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:											
International Bunkers	0,00	0,26	0,24	0,25	0,34	0,38	0,39	0,38	0,36	0,37	0,36
Aviation		0,07	0,06	0,07	0,07	0,07	0,08	0,08	0,08	0,09	0,09
Marine		0,19	0,17	0,18	0,27	0,30	0,32	0,30	0,28	0,28	0,26
Multilateral Operations	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
CO2 Emissions from Biomass											

TABLE 10 EMISSION TRENDS (HFCs, PFCs and SF6)
(Sheet 4 of 5)

Denmark
1990-1999
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year(1)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
	(Gg)										
Emissions of HFCs⁽⁵⁾ - CO₂ equivalent (Gg)	0,00	0,00	0,00	3,22	30,20	57,59	125,99	278,30	343,57	503,11	621,17
HFC-23		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
HFC-32		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,01
HFC-41		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
HFC-43-10mee		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
HFC-125		0,00	0,00	0,00	0,00	0,00	0,00	0,02	0,02	0,03	0,04
HFC-134		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
HFC-134a		0,00	0,00	0,00	0,02	0,04	0,07	0,13	0,15	0,23	0,26
HFC-152a		0,00	0,00	0,00	0,03	0,05	0,04	0,03	0,02	0,01	0,04
HFC-143		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
HFC-143a		0,00	0,00	0,00	0,00	0,00	0,00	0,01	0,02	0,03	0,04
HFC-227ea		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
HFC-236fa		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
HFC-245ca		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Emissions of PFCs⁽⁵⁾ - CO₂ equivalent (Gg)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	3,50	14,00	30,10
CF4		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C2F6		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C 3F8		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C4F10		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
c-C4F8		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C5F12		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C6F14		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Emissions of SF6⁽⁵⁾ - CO₂ equivalent (Gg)	0,00	43,02	60,95	88,93	135,01	122,06	107,36	60,99	73,09	59,44	64,77
SF6		0,00	0,00	0,00	0,01	0,01	0,00	0,00	0,00	0,00	0,00

⁽⁵⁾ Enter information on the actual emissions. Where estimates are only available for the potential emissions, specify this in a comment to the corresponding cell. Only in this row the emissions are expressed as CO₂ equivalent emissions in order to facilitate data flow among spreadsheets.

TABLE 10 EMISSION TRENDS (SUMMARY)
(Sheet 5 of 5)

Denmark
1999
April 11, 2001

GREENHOUSE GAS EMISSIONS	Base year(1)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
	CO2 equivalent (Gg)										
Net CO2 emissions/removals	0,00	52.128,59	62.749,88	57.393,90	59.061,09	62.933,00	59.755,39	73.093,97	63.589,12	59.238,76	56.000,41
CO2 emissions (without LUCF) (6)	0,00	53.044,59	63.667,88	58.314,90	59.985,09	63.861,00	60.686,39	74.034,97	64.540,12	60.202,76	56.976,41
CH4	0,00	5.852,17	5.900,30	5.900,64	5.997,64	5.893,02	5.869,25	5.857,70	5.710,59	6.017,47	5.644,07
N2O	0,00	11.012,89	10.913,08	10.255,91	10.381,43	10.168,25	10.102,07	9.970,68	9.582,07	9.669,72	9.614,15
HFCs	0,00	0,00	0,00	3,22	30,20	57,59	125,99	278,30	343,57	503,11	621,17
PFCs	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	3,50	14,00	30,10
SF6	0,00	43,02	60,95	88,93	135,01	122,06	107,36	60,99	73,09	59,44	64,77
Total (with net CO2 emissions/removals)	0,00	69.036,67	79.624,21	73.642,61	75.605,37	79.173,91	75.960,07	89.261,64	79.301,94	75.502,49	71.974,66
Total (without CO2 from LUCF) (6)	0,00	69.952,67	80.542,21	74.563,61	76.529,37	80.101,91	76.891,07	90.202,64	80.252,94	76.466,49	72.950,66

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year(1)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
	CO2 equivalent (Gg)										
1. Energy	0,00	53.160,92	63.788,80	58.291,88	59.999,08	63.984,90	60.851,74	74.301,72	64.625,80	60.759,56	57.570,57
2. Industrial Processes	0,00	1.048,52	1.239,03	1.392,64	1.476,20	1.497,41	1.544,36	1.727,42	1.959,47	2.012,79	2.117,66
3. Solvent and Other Product Use	0,00	123,58	122,40	121,22	125,49	118,87	117,67	116,48	115,30	114,11	113,24
4. Agriculture	0,00	14.309,25	14.054,28	13.397,07	13.569,91	13.125,22	13.060,60	12.752,92	12.311,27	12.416,61	12.039,50
5. Land-Use Change and Forestry (7)	0,00	-916,00	-918,00	-921,00	-924,00	-928,00	-931,00	-941,00	-951,00	-964,00	-976,00
6. Waste	0,00	1.310,40	1.337,70	1.360,80	1.358,70	1.375,50	1.316,70	1.304,10	1.241,10	1.163,42	1.109,70
7. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽⁶⁾ The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report CO₂ emissions and removals from Land-Use Change and Forestry.

⁽⁷⁾ Net emissions.

TABLE 11 CHECK LIST OF REPORTED INVENTORY INFORMATION⁽¹⁾

Party: Denmark **Year:** 1999

Contact info:	Focal point for national GHG inventories:	Jytte Boll Illerup, National Environmental Research Institute					
	Address:	P.O. Box 358, Department of Policy Analysis, DK-4000 Roskilde					
	Telephone:	0045 46301289	Fax:	0045 46301212	E-mail:	jbi@dmu.dk	
	Main institution preparing the inventory:	National Environmental Research Institute, Ministry of Environment and Energy					

General info:	Date of submission:	11-apr-01					
	Base years:	1990	PFCs, HFCs, SF ₆ :			1995	
	Year covered in the submission:	1990-1999					
	Gases covered:	CO ₂ , CH ₄ , N ₂ O, NO _x , CO, NMVOC, SO ₂ , HFCs, PFCs, SF ₆					
	Omissions in geographic coverage:	Denmark					

Tables:		Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste
	Sectoral report tables:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Sectoral background data tables:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Summary 1 (IPCC Summary tables):	IPCC Table 7A:		<input checked="" type="checkbox"/>	IPCC Table 7B:		<input checked="" type="checkbox"/>
	Summary 2 (CO ₂ equivalent emissions):			<input checked="" type="checkbox"/>			
	Summary 3 (Methods/Emission factors):			<input type="checkbox"/>			
	Uncertainty:	IPCC Table 8A:		<input type="checkbox"/>	National information:		<input type="checkbox"/>
	Recalculation tables:			<input checked="" type="checkbox"/>			
	Completeness table:			<input type="checkbox"/>			
Trend table:			<input checked="" type="checkbox"/>				

CO₂	Comparison of CO ₂ from fuel combustion:	Worksheet 1-1	Percentage of difference	Explanation of differences
		<input type="checkbox"/>	-100,00	<input type="checkbox"/>

Recalculation:		Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste
	CO ₂	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	CH ₄	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	N ₂ O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	HFCs, PFCs, SF ₆		<input checked="" type="checkbox"/>				
	Explanations:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Recalculation tables for all recalculated years:			<input type="checkbox"/>			
Full CRF for the recalculated base year:			<input type="checkbox"/>				

HFCs, PFCs, SF₆		HFCs		PFCs		SF ₆	
	Disaggregation by species:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
	Production of Halocarbons/SF ₆ :	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
	Consumption of Halocarbons/SF ₆ :	Actual	Potential	Actual	Potential	Actual	Potential
	Potential/Actual emission ratio:	0,00		0,00		0,00	

Reference to National Inventory Report and/or national inventory web site: http://www.dmu.dk/1_english/1_viden/2_Miljoe-tilstand/3_luft/4_adaci/default.asp

CRF - Common Reporting Format.
LUCF - Land-Use Change and Forestry.

⁽¹⁾ For each omission, give an explanation for the reasons by inserting a comment to the corresponding cell.

Appendix 1.1

Annual emission inventories 1998

CRF tables for Denmark

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 1 of 2)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Energy	58,652,41	47,63	3,57	232,50	608,75	94,68	76,96
A. Fuel Combustion Activities (Sectoral Approach)	58,231,79	32,39	3,56	230,34	576,05	83,98	75,45
1. Energy Industries	31,506,24	19,56	1,01	73,08	13,44	1,68	55,18
a. Public Electricity and Heat Production	29,246,20	19,46	0,97	66,19	12,66	1,59	54,24
b. Petroleum Refining	951,05	0,00	0,02	1,63	0,22	0,00	0,93
c. Manufacture of Solid Fuels and Other Energy Industries	1,309,00	0,10	0,02	5,27	0,56	0,09	0,01
2. Manufacturing Industries and Construction	6,078,53	1,17	0,42	27,99	18,81	4,53	10,13
a. Iron and Steel	0,00	0,00	0,00				
b. Non-Ferrous Metals	0,00	0,00	0,00				
c. Chemicals	0,00	0,00	0,00				
d. Pulp, Paper and Print	0,00	0,00	0,00				
e. Food Processing, Beverages and Tobacco	0,00	0,00	0,00				
f. Other (<i>please specify</i>)	6,078,53	1,17	0,42	27,99	18,81	4,53	10,13
■ Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.				27,99	18,81	4,53	10,13
3. Transport	12,419,13	3,22	1,41	89,75	318,77	59,22	5,32
a. Civil Aviation	171,65	0,01	0,01	0,82	0,98	0,17	0,01
b. Road Transportation	11,532,09	3,14	1,36	78,82	307,39	53,31	2,02
c. Railways	247,03	0,02	0,01	2,31	0,35	0,14	0,08
d. Navigation	468,37	0,06	0,04	7,80	10,05	5,59	3,21
e. Other Transportation (<i>please specify</i>)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 2 of 2)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
4. Other Sectors	8,023,85	8,43	0,71	38,35	224,31	18,40	4,78
a. Commercial/Institutional	878,92	0,65	0,03	1,26	5,90	0,37	0,47
b. Residential	4,710,29	5,65	0,15	4,00	172,44	11,64	1,44
c. Agriculture/Forestry/Fisheries	2,434,64	2,13	0,54	33,10	45,98	6,39	2,87
5. Other (please specify) ⁽¹⁾	204,03	0,01	0,01	1,16	0,72	0,16	0,04
a. Stationary	0,00	0,00	0,00	0,00	0,00	0,00	0,00
b. Mobile	204,03	0,01	0,01	1,16	0,72	0,16	0,04
Emissions from military combustion of fuels.							
	204,03	0,01	0,01	1,16	0,72	0,16	0,04
B. Fugitive Emissions from Fuels	420,62	15,24	0,01	2,16	32,70	10,70	1,51
1. Solid Fuels	0,00	3,97	0,00	0,00	31,29	0,00	0,00
a. Coal Mining	0,00	0,00					
b. Solid Fuel Transformation	0,00	0,00					
c. Other (please specify)	0,00	3,97	0,00	0,00	31,29	0,00	0,00
Storage of solid fuel.							
					31,29		
2. Oil and Natural Gas	420,62	11,27	0,01	2,16	1,41	10,70	1,51
a. Oil	0,00	0,05				6,42	1,44
b. Natural Gas	0,00	10,08				3,66	
c. Venting and Flaring	420,62	1,14	0,01	2,16	1,41	0,62	0,07
Venting	0,00	0,00					0,07
Flaring	420,62	1,14	0,01	2,16	1,41	0,62	0,00
d. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items: ⁽²⁾							
International Bunkers	6,595,36	0,14	0,37	129,76	12,28	3,63	60,00
Aviation	2,181,12	0,04	0,09	8,78	1,99	0,39	0,14
Marine	4,414,24	0,10	0,28	120,99	10,29	3,24	59,86
Multilateral Operations	0,00	0,00	0,00				
CO₂ Emissions from Biomass	6,265,73						

⁽¹⁾ Include military fuel use under this category.

⁽²⁾ Please do not include in energy totals.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 1 of 4)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	(⁽¹⁾)	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A. Fuel Combustion	844.264,46	NCV				58.231,79	32,39	3,56
Liquid Fuels	366.450,47	NCV	70,67	11,24	6,73	25.897,31	4,12	2,47
Solid Fuels	233.354,51	NCV	94,98	2,26	2,93	22.163,61	0,53	0,68
Gaseous Fuels	180.170,25	NCV	56,26	109,39	1,00	10.135,53	19,71	0,18
Biomass	63.804,64	NCV	98,20	125,15	3,62 ⁽³⁾	6.265,73	7,98	0,23
Other Fuels	484,59	NCV	72,94	107,49	0,52	35,35	0,05	0,00
I.A.1. Energy Industries	446.590,68	NCV				31.506,24	19,56	1,01
Liquid Fuels	90.295,38	NCV	57,86	1,58	1,22	5.224,66	0,14	0,11
Solid Fuels	219.612,32	NCV	94,98	1,47	2,93	20.858,10	0,32	0,64
Gaseous Fuels	95.327,35	NCV	56,89	184,76	1,00	5.423,49	17,61	0,10
Biomass	41.355,64	NCV	97,22	35,79	3,86 ⁽³⁾	4.020,46	1,48	0,16
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Public Electricity and Heat Production	407.285,88	NCV				29.246,20	19,46	0,97
Liquid Fuels	73.975,57	NCV	57,75	1,86	1,26	4.272,45	0,14	0,09
Solid Fuels	219.612,32	NCV	94,98	1,47	2,93	20.858,10	0,32	0,64
Gaseous Fuels	72.342,36	NCV	56,89	242,11	1,00	4.115,64	17,52	0,07
Biomass	41.355,64	NCV	97,22	35,79	3,86 ⁽³⁾	4.020,46	1,48	0,16
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Petroleum Refining	16.304,21	NCV				951,05	0,00	0,02
Liquid Fuels	16.304,21	NCV	58,33	0,27	1,07	951,05	0,00	0,02
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Manufacture of Solid Fuels and Other Energy Industries	23.000,60	NCV				1.309,00	0,10	0,02
Liquid Fuels	15,60	NCV	74,00	1,47	1,99	1,15	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	22.984,99	NCV	56,90	4,23	0,99	1.307,85	0,10	0,02
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

(1)

(2) Accurate estimation of CH₄ and N₂O emissions depends on combustion conditions, technology, and emission control policy, as well as fuel characteristics. Therefore, caution should be used when comparing the implied emission factors.

(3) Carbon dioxide emissions from biomass are reported under Memo Items. The content of the cells is not included in the totals.

Note: For the coverage of fuel categories, please refer to the IPCC Guidelines (Volume 1. Reporting Instructions - Common Reporting Framework, section 1.2, p. 1.19). If some derived gases (e.g. gas work gas, coke oven gas, blast gas, oxygen steel furnace gas, etc.) are considered, Parties should provide information on the allocation of these derived gases under the above fuel categories (liquid, solid, gaseous, biomass, other fuels) in the documentation box at the end of sheet 4 of this table.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 2 of 4)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.2 Manufacturing Industries and Construction	91.846,73	NCV				6.078,53	1,17	0,42
Liquid Fuels	32.541,95	NCV	77,61	7,36	9,86	2.525,48	0,24	0,32
Solid Fuels	12.709,17	NCV	95,00	15,00	3,00	1.207,37	0,19	0,04
Gaseous Fuels	41.224,66	NCV	56,90	13,83	1,00	2.345,68	0,57	0,04
Biomass	5.370,95	NCV	101,24	31,55	3,95 ⁽³⁾	543,76	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Iron and Steel	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Non-Ferrous Metals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Chemicals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
d. Pulp, Paper and Print	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
e. Food Processing, Beverages and Tobacco	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
f. Other (please specify)	91.846,73	NCV				6.078,53	1,17	0,42
Liquid Fuels	32.541,95	NCV	77,61	7,36	9,86	2.525,48	0,24	0,32
Solid Fuels	12.709,17	NCV	95,00	15,00	3,00	1.207,37	0,19	0,04
Gaseous Fuels	41.224,66	NCV	56,90	13,83	1,00	2.345,68	0,57	0,04
Biomass	5.370,95	NCV	101,24	31,55	3,95 ⁽³⁾	543,76	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 3 of 4)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.3 Transport	169,012,65	NCV				12,419,13	3,22	1,41
Gasoline	90,369,86	NCV	72,97	30,31	12,23	6,594,72	2,74	1,11
Diesel	78,158,19	NCV	74,07	5,51	3,90	5,789,06	0,43	0,31
Natural Gas	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾	0,00	0,00	0,00
Other Fuels	484,59	NCV	72,94	107,49	0,52	35,35	0,05	0,00
a. Civil Aviation	2,382,55	NCV				171,65	0,01	0,01
Aviation Gasoline	103,55	NCV	73,00	21,90	2,00	7,56	0,00	0,00
Jet Kerosene	2,279,00	NCV	72,00	1,71	3,83	164,09	0,00	0,01
b. Road Transportation	157,028,43	NCV				11,532,09	3,14	1,36
Gasoline	87,987,31	NCV	73,00	31,06	12,46	6,423,07	2,73	1,10
Diesel Oil	69,037,65	NCV	74,00	5,85	3,80	5,108,79	0,40	0,26
Natural Gas	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels (please specify)	3,47	NCV				0,23	0,00	0,00
LPG		NCV	0,00	0,00	0,00			
	3,47	NCV	65,00	24,20	0,00	0,23	0,00	0,00
c. Railways	3,338,27	NCV				247,03	0,02	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Liquid Fuels	3,338,27	NCV	74,00	4,76	2,04	247,03	0,02	0,01
Other Fuels (please specify)	0,00	NCV				0,00	0,00	0,00
	0,00	NCV	0,00	0,00	0,00			
d. Navigation	6,263,39	NCV				468,37	0,06	0,04
Coal	0,00	NCV	0,00	0,00	0,00			
Residual Oil	1,340,07	NCV	78,00	1,76	4,89	104,53	0,00	0,01
Gas/Diesel Oil	4,442,20	NCV	74,00	1,88	6,58	328,72	0,01	0,03
Other Fuels (please specify)	481,12	NCV				35,12	0,05	0,00
Kerosene, Gasoline, LPG		NCV	0,00	0,00	0,00			
	481,12	NCV	73,00	108,09	0,52	35,12	0,05	0,00
e. Other Transportation	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 4 of 4)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	(¹)	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.4 Other Sectors	136.814,40	NCV				8.023,85	8,43	0,71
Liquid Fuels	75.085,08	NCV	74,04	7,41	8,21	5.559,36	0,56	0,62
Solid Fuels	1.033,02	NCV	95,00	15,00	3,00	98,14	0,02	0,00
Gaseous Fuels	43.618,24	NCV	54,25	35,00	1,00	2.366,35	1,53	0,04
Biomass	17.078,05	NCV	99,63	370,96	2,96 ⁽³⁾	1.701,51	6,34	0,05
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Commercial/Institutional	16.011,87	NCV				878,92	0,65	0,03
Liquid Fuels	6.203,00	NCV	74,30	6,58	2,00	460,86	0,04	0,01
Solid Fuels	2,31	NCV	95,00	15,18	3,04	0,22	0,00	0,00
Gaseous Fuels	7.692,51	NCV	54,32	30,57	1,00	417,85	0,24	0,01
Biomass	2.114,06	NCV	84,62	177,32	2,72 ⁽³⁾	178,89	0,37	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Residential	83.070,40	NCV				4.710,29	5,65	0,15
Liquid Fuels	41.069,93	NCV	73,70	9,51	1,96	3.026,94	0,39	0,08
Solid Fuels	127,15	NCV	95,00	15,00	3,00	12,08	0,00	0,00
Gaseous Fuels	29.372,08	NCV	56,90	8,93	1,00	1.671,27	0,26	0,03
Biomass	12.501,24	NCV	101,96	399,68	3,00 ⁽³⁾	1.274,68	5,00	0,04
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Agriculture/Forestry/Fisheries	37.732,13	NCV				2.434,64	2,13	0,54
Liquid Fuels	27.812,15	NCV	74,48	4,50	18,84	2.071,57	0,13	0,52
Solid Fuels	903,57	NCV	95,00	15,00	3,00	85,84	0,01	0,00
Gaseous Fuels	6.553,65	NCV	42,30	157,05	1,00	277,24	1,03	0,01
Biomass	2.462,76	NCV	100,68	391,35	2,94 ⁽³⁾	247,94	0,96	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00			
I.A.5 Other (Not elsewhere specified) ⁽⁴⁾	0,00	NCV				204,03	0,01	0,01
Liquid Fuels	0,00	NCV	0,00	0,00	0,00	204,03	0,01	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

⁽⁴⁾ Include military fuel use under this category.

Documentation Box:

I.A.2f note: Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.

TABLE 1.A(b) SECTORAL BACKGROUND DATA FOR ENERGY
CO₂ from Fuel Combustion Activities - Reference Approach (IPCC Worksheet 1-1)
(Sheet 1 of 1)

Denmark
1998
April 11, 2001

FUEL TYPES			Unit	Production	Imports	Exports	International bunkers	Stock change	Apparent consumption	Conversion factor ⁽¹⁾ (TJ/Unit)	⁽¹⁾	Apparent consumption (TJ)	Carbon emission factor (t C/TJ)	Carbon content (Gg C)	Carbon stored (Gg C)	Net carbon emissions (Gg C)	Fraction of carbon oxidized	Actual CO ₂ emissions (Gg CO ₂)	
Liquid Fossil	Primary Fuels	Crude Oil							0,00		NCV	0,00		0,00		0,00		0,00	
		Orimulsion							0,00		NCV	0,00		0,00		0,00		0,00	
		Natural Gas Liquids							0,00		NCV	0,00		0,00		0,00		0,00	
	Secondary Fuels	Gasoline								0,00		NCV	0,00		0,00		0,00		0,00
		Jet Kerosene								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Other Kerosene								0,00		NCV	0,00		0,00		0,00		0,00
		Shale Oil								0,00		NCV	0,00		0,00		0,00		0,00
		Gas / Diesel Oil								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Residual Fuel Oil								0,00		NCV	0,00		0,00		0,00		0,00
		LPG								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Ethane								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Naphtha								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Bitumen								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Lubricants								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Petroleum Coke								0,00		NCV	0,00		0,00		0,00		0,00
		Refinery Feedstocks								0,00		NCV	0,00		0,00		0,00		0,00
		Other Oil								0,00		NCV	0,00		0,00		0,00		0,00
Liquid Fossil Totals												0,00		0,00	0,00	0,00		0,00	
Solid Fossil	Primary Fuels	Anthracite ⁽²⁾							0,00		NCV	0,00		0,00		0,00		0,00	
		Coking Coal							0,00		NCV	0,00		0,00	0,00	0,00		0,00	
		Other Bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Sub-bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Lignite							0,00		NCV	0,00		0,00		0,00		0,00	
		Oil Shale							0,00		NCV	0,00		0,00		0,00		0,00	
	Peat							0,00		NCV	0,00		0,00		0,00		0,00		
	Secondary Fuels	BKB & Patent Fuel							0,00		NCV	0,00		0,00		0,00		0,00	
		Coke Oven/Gas Coke							0,00		NCV	0,00		0,00		0,00		0,00	
Solid Fuel Totals												0,00		0,00	0,00	0,00		0,00	
Gaseous Fossil	Natural Gas (Dry)							0,00		NCV	0,00		0,00	0,00	0,00	0,00		0,00	
Total												0,00		0,00	0,00	0,00		0,00	
Biomass total												0,00		0,00	0,00	0,00		0,00	
	Solid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Liquid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Gas Biomass								0,00		NCV	0,00		0,00		0,00		0,00	

⁽¹⁾ To convert quantities expressed in natural units to energy units, use net calorific values (NCV). If gross calorific values (GCV) are used in this table, please indicate this by replacing "NCV" with "GCV" in this column.

⁽²⁾ If Anthracite is not separately available, include with Other Bituminous Coal.

TABLE 1.A(c) COMPARISON OF CO₂ EMISSIONS FROM FUEL COMBUSTION
(Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

FUEL TYPES	Reference approach		National approach ⁽¹⁾		Difference ⁽²⁾	
	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (%)	CO ₂ emissions (%)
Liquid Fuels (excluding international bunkers)	0,00	0,00	366,45	25.897,31	-100,00	-100,00
Solid Fuels (excluding international bunkers)	0,00	0,00	233,35	22.163,61	-100,00	-100,00
Gaseous Fuels	0,00	0,00	180,17	10.135,53	-100,00	-100,00
Other ⁽³⁾			0,48	35,35	-100,00	-100,00
<i>Total</i> ⁽³⁾	0,00	0,00	780,46	58.231,79	-100,00	-100,00

⁽¹⁾ "National approach" is used to indicate the approach (if different from the Reference approach) followed by the Party to estimate its CO₂ emissions from fuel combustion reported in the national GHG inventory.

⁽²⁾ Difference of the Reference approach over the National approach (i.e. difference = 100% x ((RA-NA)/NA), where NA = National approach and RA = Reference approach).

⁽³⁾ Emissions from biomass are not included.

Note: In addition to estimating CO₂ emissions from fuel combustion by sector, Parties should also estimate these emissions using the IPCC Reference approach, as found in the IPCC Guidelines, Worksheet 1-1(Volume 2. Workbook). The Reference approach is to assist in verifying the sectoral data. Parties should also complete the above tables to compare the alternative estimates, and if the emission estimates lie more than 2 percent apart, should explain the source of this difference in the documentation box provided.

Documentation Box:

TABLE 1.A(d) SECTORAL BACKGROUND DATA FOR ENERGY
Feedstocks and Non-Energy Use of Fuels
(Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

FUEL TYPE ⁽¹⁾	ACTIVITY DATA AND RELATED INFORMATION		IMPLIED EMISSION FACTOR	ESTIMATE
	Fuel quantity (TJ)	Fraction of carbon stored	Carbon emission factor (t C/TJ)	of carbon stored in non energy use of fuels (Gg C)
Naphtha ⁽²⁾			0,00	
Lubricants			0,00	
Bitumen			0,00	
Coal Oils and Tars (from Coking Coal)			0,00	
Natural Gas ⁽²⁾			0,00	
Gas/Diesel Oil ⁽²⁾			0,00	
LPG ⁽²⁾			0,00	
Butane ⁽²⁾			0,00	
Ethane ⁽²⁾			0,00	
Other (please specify) <input type="text"/>				
			0,00	

Additional information ^(a)

CO ₂ not emitted (Gg CO ₂)	Subtracted from energy sector (specify source category)
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	

⁽¹⁾ Where fuels are used in different industries, please enter in different rows.

⁽²⁾ Enter these fuels when they are used as feedstocks.

^(a) The fuel lines continue from the table to the left.

Note: The table is consistent with the IPCC Guidelines. Parties that take into account the emissions associated with the use and disposal of these feedstocks could continue to use their methodology, and provide explanation notes in the documentation box below.

Documentation box: A fraction of energy carriers is stored in such products as plastics or asphalt. The non-stored fraction of the carbon in the energy carrier or product is oxidized, resulting in carbon dioxide emissions, either during the use of the energy carriers in the industrial production (e.g. fertilizer production), or during the use of the products (e.g. solvents, lubricants), or in both (e.g. monomers). To report associated emissions use the above table, filling an extra "Additional information" table, as shown below.	
Associated CO ₂ emissions (Gg)	Allocated under <input type="text"/> ^(a) e.g. Industrial Processes, Waste Incineration, etc. (Specify source category) ^(a)

TABLE 1.B.1 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Solid Fuels
(Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTOR		EMISSIONS	
	Amount of fuel produced ⁽¹⁾	CH ₄	CO ₂	CH ₄	CO ₂
	(Mt)	(kg/t)	(kg/t)	(Gg)	(Gg)
I. B. 1. a. Coal Mining and Handling	0,00			0,00	0,00
i. Underground Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
ii. Surface Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
I. B. 1. b. Solid Fuel Transformation	0,00	0,00	0,00		
I. B. 1. c. Other (please specify) ⁽³⁾ <input type="button" value=""/>				3,97	0,00
Storage of solid fuel.		0,00	0,00		
	9,23	0,43	0,00	3,97	

Additional information ^(a)

Description	Value
Amount of CH ₄ drained (recovered) and utilized or flared (Gg)	
Number of active underground mines	
Number of mines with drainage (recovery) systems	

^(a) For underground mines.

⁽¹⁾ Use the documentation box to specify whether the fuel amount is based on the run-of-mine (ROM) production or on the saleable production.

⁽²⁾ Emissions both for Mining Activities and Post-Mining Activities are calculated with the activity data in lines Underground Mines and Surface Mines respectively.

⁽³⁾ Please click on the button to enter any other solid fuel related activities resulting in fugitive emissions, such as emissions from abandoned mines and waste piles.

Note: There are no clear references to the coverage of I.B.1.b. and I.B.1.c. in the IPCC Guidelines. Make sure that the emissions entered here are not reported elsewhere. If they are reported under another source category, indicate this (IE) and make a reference in Table 9 (completeness) and/or in the documentation box.

Documentation box:

TABLE 1.B.2 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Oil and Natural Gas
(Sheet 1 of 1)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA			IMPLIED EMISSION FACTORS			EMISSIONS		
	Description ⁽¹⁾	Unit	Value	CO ₂ (kg/unit) ⁽²⁾	CH ₄ (kg/unit) ⁽²⁾	N ₂ O (kg/unit) ⁽²⁾	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
1. B. 2. a. Oil ⁽³⁾							0,00	0,05	
i. Exploration	(e.g. number of wells drilled)		0,00	0,00	0,00				
ii. Production ⁽⁴⁾	(e.g. PJ of oil produced)		0,00	0,00	0,00				
iii. Transport	(e.g. PJ oil loaded in tankers)		0,00	0,00	0,00				
iv. Refining / Storage	(e.g. PJ oil refined)		0,00	0,00	0,00				
v. Distribution of oil products	(e.g. PJ oil refined)	Mg product	2.030.000	0,00	0,00			0,00	
vi. Other		Mg Crude	7.906.270	0,00	0,01			0,05	
1. B. 2. b. Natural Gas							0,00	10,08	
Exploration				0,00	0,00				
i. Production ⁽⁴⁾ / Processing	(e.g. PJ gas produced)	1000 m3	2.500.000	0,00	0,65			1,63	
ii. Transmission	(e.g. PJ gas consumed)	1000 m3	3.800.000	0,00	2,22			8,45	
Distribution	(e.g. PJ gas consumed)			0,00	0,00				
iii. Other Leakage	(e.g. PJ gas consumed)			0,00	0,00				
at industrial plants and power stations				0,00	0,00				
in residential and commercial sectors				0,00	0,00				
1. B. 2. c. Venting ⁽⁵⁾							0,00	0,00	
i. Oil	(e.g. PJ oil produced)			0,00	0,00				
ii. Gas	(e.g. PJ gas produced)			0,00	0,00				
iii. Combined				0,00	0,00				
Flaring							420,62	1,14	0,01
i. Oil	(e.g. PJ gas consumption)	GJ	339.236	56,90	0,00	0,00	19,30		0,00
ii. Gas	(e.g. PJ gas consumption)	GJ	7.053.000	56,90	0,16	0,00	401,32	1,14	0,01
iii. Combined				0,00	0,00	0,00			
1.B.2.d. Other (please specify) ⁽⁶⁾				0,00	0,00	0,00	0,00	0,00	0,00

Additional information

Description	Value	Unit
Pipelines length (km)		
Number of oil wells		
Number of gas wells		
Gas throughput ^(a)		
Oil throughput ^(a)		
Other relevant information (specify)		

^(a) In the context of oil and gas production, throughput is a measure of the total production, such as barrels per day of oil, or cubic meters of gas per year. Specify the units of the reported value in the unit column. Take into account that these values should be consistent with the activity data reported under the production rows of the main table.

⁽¹⁾ Specify the activity data used and fill in the activity data description column, as given in the examples in brackets. Specify the unit of the activity data in the unit column. Use the document box to specify whether the fuel amount is based on the raw material production or on the saleable production. Note cases where more than one variable is used as activity data.

⁽²⁾ The unit of the implied emission factor will depend on the units of the activity data used, and is therefore not specified in this column. The unit of the implied emission factor for each activity will be kg/unit of activity data.

⁽³⁾ Use the category also to cover emissions from combined oil and gas production fields. Natural gas processing and distribution from these fields should be included under 1.B.2.b.ii and 1.B.2.b.iii, respectively.

⁽⁴⁾ If using default emission factors these categories will include emissions from production other than venting and flaring.

⁽⁵⁾ If using default emission factors, emissions from Venting and Flaring from all oil and gas production should be accounted for here. Parties using the IPCC software could report those emissions together, indicating so in the documentation box.

⁽⁶⁾ For example, fugitive CO₂ emissions from production of geothermal power could be reported here.

Documentation box:

TABLE 1.C SECTORAL BACKGROUND DATA FOR ENERGY
International Bunkers and Multilateral Operations
 (Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS			EMISSIONS		
	Consumption (TJ)	CO ₂ (t/TJ)	CH ₄ (kg/TJ)	N ₂ O (kg/TJ)	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Marine Bunkers	58.195,00				4.414,24	0,10	0,28
Gasoline	0,00	0,00	0,00	0,00			
Gas/Diesel Oil	31.243,00	74,00	1,69	4,68	2.311,98	0,05	0,15
Residual Fuel Oil	26.952,00	78,00	1,76	4,89	2.102,26	0,05	0,13
Lubricants	0,00	0,00	0,00	0,00			
Coal	0,00	0,00	0,00	0,00			
Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
		0,00	0,00	0,00			
Aviation Bunkers	30.293,15				2.181,12	0,04	0,09
Jet Kerosene	30.282,46	72,00	1,34	2,88	2.180,34	0,04	0,09
Gasoline	10,70	73,00	21,87	1,96	0,78	0,00	0,00
Multilateral Operations ⁽¹⁾							

Additional information

Fuel consumption	Allocation ^(a) (percent)	
	Domestic	International
Marine	9,72	90,28
Aviation	7,29	92,71

^(a) For calculating the allocation of fuel consumption, use the sums of fuel consumption by domestic navigation and aviation (Table 1.A(a)) and by international bunkers (Table 1.C).

⁽¹⁾ Parties may choose to report or not report the activity data and emission factors for multilateral operation consistent with the principle of confidentiality stated in the UNFCCC reporting guidelines on inventories. In any case, Parties should report the emissions from multilateral operations, where available, under the Memo Items section of the Summary tables and in the Sectoral report table for energy.

Note: In accordance with the IPCC Guidelines, international aviation and marine bunker fuel emissions from fuel sold to ships or aircraft engaged in international transport should be excluded from national totals and reported separately for informational purposes only.

Documentation box: Please explain how the consumption of international marine and aviation bunkers fuels was estimated and separated from the domestic consumption.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 1 of 2)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
Total Industrial Processes	1,436,25	0,00	0,00	1,903,46	503,11	42,00	14,00	0,01	0,00	0,35	0,00	0,50	0,00
A. Mineral Products	1,436,25	0,00	0,00							0,00	0,00	0,00	0,00
1. Cement Production	1,332,92												
2. Lime Production	103,33												
3. Limestone and Dolomite Use	0,00												
4. Soda Ash Production and Use	0,00												
5. Asphalt Roofing	0,00												
6. Road Paving with Asphalt	0,00												
7. Other (please specify)	0,00	0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,35	0,00	0,00	0,00
1. Ammonia Production	0,00	0,00											
2. Nitric Acid Production			0,00							0,35			
3. Adipic Acid Production			0,00										
4. Carbide Production	0,00	0,00											
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Iron and Steel Production	0,00	0,00											
2. Ferroalloys Production	0,00	0,00											
3. Aluminium Production	0,00	0,00					0,00						
4. SF ₆ Used in Aluminium and Magnesium Foundries									0,00				
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

methods exist for both tiers.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 2 of 2)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
D. Other Production	0,00									0,00	0,00	0,50	0,00
1. Pulp and Paper													
2. Food and Drink ⁽²⁾	0,00											0,50	
E. Production of Halocarbons and SF₆					0,00		0,00		0,00				
1. By-product Emissions					0,00		0,00		0,00				
Production of HCFC-22					0,00								
Other					0,00		0,00		0,00				
2. Fugitive Emissions					0,00		0,00		0,00				
3. Other (please specify)					0,00		0,00		0,00				
F. Consumption of Halocarbons and SF₆				1.903,46	503,11	42,00	14,00	0,01	0,00				
1. Refrigeration and Air Conditioning Equipment				1.319,42	284,19	42,00	14,00		0,00				
2. Foam Blowing				582,74	217,34		0,00		0,00				
3. Fire Extinguishers					0,00		0,00		0,00				
4. Aerosols/ Metered Dose Inhalers				1,30	1,56		0,00		0,00				
5. Solvents					0,00		0,00		0,00				
6. Semiconductor Manufacture					0,00		0,00		0,00				
7. Electrical Equipment								0,00	0,00				
8. Other (please specify)				0,00	0,01	0,00	0,00	0,01	0,00				
Emissions of SF ₆ from (1) window plate production, (2) research laboratories and (3) running shoes and of HFC134a from medical dose inhalers													
				0,0130	0,01			0,01	0,00				
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	0,00												

⁽²⁾ CO₂ from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO₂ emissions of non-biogenic origin should be reported.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
 (Sheet 1 of 2)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
A. Mineral Products						1,436,25		0,00		0,00	
1. Cement Production	<i>(e.g. cement or clinker production)</i>	2,527,67	0,53			1,332,92					
2. Lime Production		512,18	0,20			103,33					
3. Limestone and Dolomite Use		0,00	0,00								
4. Soda Ash						0,00					
Soda Ash Production		0,00	0,00								
Soda Ash Use			0,00								
5. Asphalt Roofing		0,00	0,00								
6. Road Paving with Asphalt		0,00	0,00								
7. Other <i>(please specify)</i>						0,00		0,00		0,00	
Glass Production			0,00								
		0,00	0,00	0,00	0,00						
B. Chemical Industry						0,00		0,00		0,00	
1. Ammonia Production ⁽³⁾		0,00	0,00	0,00	0,00						
2. Nitric Acid Production		0,00			0,00						
3. Adipic Acid Production		0,00			0,00						
4. Carbide Production			0,00	0,00		0,00		0,00			
Silicon Carbide		0,00	0,00	0,00							
Calcium Carbide			0,00	0,00							
5. Other <i>(please specify)</i>						0,00		0,00		0,00	
Carbon Black				0,00							
Ethylene			0,00	0,00	0,00						
Dichloroethylene				0,00							
Styrene				0,00							
Methanol				0,00							
		0,00	0,00	0,00	0,00						

⁽¹⁾ Where the IPCC Guidelines provide options for activity data, e.g. cement or clinker for estimating the emissions from Cement Production, specify the activity data used (as shown in the example in brackets) in order to make the choice of emission factor more transparent and to facilitate comparisons of implied emission factors.

⁽²⁾ Enter cases in which the final emissions are reduced with the quantities of emission recovery, oxidation, destruction, transformation. Adjusted emissions are reported and the quantitative information on recovery, oxidation, destruction, and transformation should be given in the additional columns provided.

⁽³⁾ To avoid double counting make offsetting deductions from fuel consumption (e.g. natural gas) in Ammonia Production, first for feedstock use of the fuel, and then to a sequestering use of the feedstock.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
(Sheet 2 of 2)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption Quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
C. Metal Production⁽⁴⁾						0,00		0,00		0,00	
1. Iron and Steel Production		0,00	0,00			0,00		0,00			
Steel		0,00	0,00								
Pig Iron		0,00	0,00	0,00							
Sinter		0,00	0,00	0,00							
Coke		0,00	0,00	0,00							
Other (please specify) <input type="checkbox"/>						0,00		0,00			
		0,00	0,00	0,00	0,00						
2. Ferroalloys Production		0,00	0,00	0,00							
3. Aluminium Production		0,00	0,00	0,00							
4. SF ₆ Used in Aluminium and Magnesium Foundries											
5. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		4,53	0,00	0,00	0,00						
D. Other Production						0,00					
1. Pulp and Paper											
2. Food and Drink			0,00								
G. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00	0,00					

⁽⁴⁾ More specific information (e.g. data on virgin and recycled steel production) could be provided in the documentation box.

Note: In case of confidentiality of the activity data information, the entries should provide aggregate figures but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 1 of 2)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs ⁽¹⁾	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs ⁽¹⁾	SF ₆
	(t) ⁽²⁾																						
Total Actual Emissions of Halocarbons (by chemical) and SF₆	0,00	4,38	0,00	0,00	32,51	0,00	231,48	9,92	0,00	28,13	0,00	0,00	0,00		0,00	0,00	2,00	0,00	0,00	0,00	0,00		2,49
C. Metal Production															0,00	0,00							0,70
Aluminium Production															0,00	0,00							
SF ₆ Used in Aluminium Foundries																							0,00
SF ₆ Used in Magnesium Foundries																							0,70
E. Production of Halocarbons and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
1. By-product Emissions	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production of HCFC-22	0,00																						
Other																							
2. Fugitive Emissions																							
3. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
F(a). Consumption of Halocarbons and SF₆ (actual emissions - Tier 2)	0,00	4,38	0,00	0,00	32,51	0,00	231,48	9,92	0,00	28,13	0,00	0,00	0,00		0,00	0,00	2,00	0,00	0,00	0,00	0,00		1,79
1. Refrigeration and Air Conditioning Equipment		4,38			32,51		64,07	0,77		28,13							2,00						
2. Foam Blowing							166,20	9,15															
3. Fire Extinguishers																							
4. Aerosols/Metered Dose Inhalers							1,20																
5. Solvents																							
6. Semiconductor Manufacture																							
7. Electrical Equipment																							0,27
8. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,01	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		1,52
Emissions of SF ₆ from (1) window plate production, (2) research laboratories and (3) running shoes and of HFC134a from medical dose inhalers							0,01																1,52
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00

⁽¹⁾ Although shaded, the columns with HFCs and PFCs totals on sheet 1 are kept for consistency with sheet 2 of the table.

⁽²⁾ Note that the units used in this table differ from those used in the rest of the Sectoral report tables, i.e. [t] instead of [Gg].

Note: Where information is confidential the entries should provide aggregate figures but there should be a note indicating this in the relevant documentation boxes of the Sectoral background data tables or as a comment to the corresponding cell. Gases with GWP not yet agreed upon by the COP, should be reported in Table 9 (Completeness), sheet 2.

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 2 of 2)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ea	Total HFCs	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs	SF ₆
	(t) ⁽²⁾																						
F(p). Total Potential Emissions of Halocarbons (by chemical) and SF₆ ⁽³⁾	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production ⁽⁴⁾																							
Import:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Export:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Destroyed amount																							
GWP values used	11700	650	150	1300	2800	1000	1300	140	300	3800	2900	6300	560		6500	9200	7000	7000	8700	7500	7400		23900
Total Actual Emissions ⁽⁶⁾ (Gg CO ₂ eq.)	0,00	2,84	0,00	0,00	91,04	0,00	300,93	1,39	0,00	106,91	0,00	0,00	0,00	503,11	0,00	0,00	14,00	0,00	0,00	0,00	0,00	14,00	59,44
C. Metal Production															0,00	0,00						0,00	16,73
E. Production of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F(a). Consumption of Halocarbons and SF ₆	0,00	2,84	0,00	0,00	91,04	0,00	300,93	1,39	0,00	106,91	0,00	0,00	0,00	503,11	0,00	0,00	14,00	0,00	0,00	0,00	0,00	14,00	42,71
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Ratio of Potential/Actual Emissions from Consumption of Halocarbons and SF₆																							
Actual emissions - F(a) (Gg CO ₂ eq.)	0,00	2,84	0,00	0,00	91,04	0,00	300,93	1,39	0,00	106,91	0,00	0,00	0,00	503,11	0,00	0,00	14,00	0,00	0,00	0,00	0,00	14,00	42,71
Potential emissions - F(p) (7) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential/Actual emissions ratio	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽³⁾ manner corresponding to the subsectors for actual emissions defined on sheet 1 of this table, these should be reported in an annex to sheet 2, using the format of sheet 1, sector F(a). Use Summary 3 of this common reporting format to indicate whether Tier 1a or Tier 1b was used.

⁽⁴⁾ Production refers to production of new chemicals. Recycled substances could be included here, but it should be ensured that double counting of emissions is avoided. Relevant explanations should be provided as a comment to the corresponding cell.

⁽⁵⁾ Relevant just for Tier 1b.

⁽⁶⁾ Sums of the actual emissions of each chemical of halocarbons and SF₆ from the source categories given in sheet 1 of the table multiplied by the corresponding GWP values.

⁽⁷⁾ Potential emissions of each chemical of halocarbons and SF₆ taken from row F(p) multiplied by the corresponding GWP values.

Note: As stated in the revised UNFCCC guidelines, Parties should report actual emissions of HFCs, PFCs and SF₆, where data are available, providing disaggregated data by chemical and source category in units of mass and in CO₂ equivalents. Parties reporting actual emissions should also report potential emissions for the sources where the concept of potential emissions applies, for reasons of transparency and comparability.

TABLE 2(II). C, E SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Metal Production; Production of Halocarbons and SF₆
(Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾	EMISSIONS ⁽²⁾	
	Description ⁽¹⁾	(t)	(kg/t)	(t)	⁽³⁾
C. PFCs and SF₆ from Metal Production					
PFCs from Aluminium Production					
CF ₄			0,00		
C ₂ F ₆			0,00		
SF ₆				0,70	
Aluminium Foundries	(SF ₆ consumption)		0,00		
Magnesium Foundries			0,00	0,70	
E. Production of Halocarbons and SF₆					
1. By-product Emissions					
Production of HCFC-22					
HFC-23			0,00		
Other (specify chemical) <input type="checkbox"/>			0,00		
2. Fugitive Emissions					
HFCs (specify chemical) <input type="checkbox"/>			0,00		
PFCs (specify chemical) <input type="checkbox"/>			0,00		
SF ₆			0,00		
3. Other (please specify) <input type="checkbox"/>			0,00		

⁽¹⁾ Specify the activity data used as shown in the examples within brackets. Where applying Tier 1b (for C), Tier 2 (for E) and country specific methods, specify any other relevant activity data used in the documentation box below.

⁽²⁾ Emissions and implied emission factors are after recovery.









⁽³⁾ Enter cases in which the final emissions are reported after subtracting the quantities of emission recovery, oxidation, destruction, transformation. Enter these quantities in the specified column and use the documentation box for further explanations.

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 1 of 2)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
1 Refrigeration									
Air Conditioning Equipment									
Domestic Refrigeration (<i>Specify chemical</i>) ⁽²⁾ 									
(e.g. HFC-32)									
(e.g. HFC-125)									
(e.g. HFC-134a)									
(e.g. HFC-152a)									
(e.g. HFC-143a)									
Commercial Refrigeration 									
Transport Refrigeration 									
Industrial Refrigeration 									
Stationary Air-Conditioning 									
Mobile Air-Conditioning 									
2 Foam Blowing									
Hard Foam 									
Soft Foam 									

⁽¹⁾ Parties should use the documentation box to provide information on the amount of the chemical recovered (recovery efficiency) and other relevant information used in the emission estimation.

⁽²⁾ Please click on the button to specify the chemical consumed, as given in the example. If needed, new rows could be added for reporting the disaggregated chemicals from a source by clicking on the corresponding button.

Note: Table 2.(II).F provides for reporting of the activity data and emission factors used to calculate actual emissions from consumption of halocarbons and SF₆ using the "bottom-up approach" (based on the total stock of equipment and estimated emission rates from this equipment). Some Parties may prefer to estimate their actual emissions following the alternative "top-down approach" (based on annual sales of equipment and/or gas). These Parties should provide the activity data used in the current format and any other relevant information in the documentation box at the end of Table2(II)Fs2. Data these Parties should provide includes (1) the amount of fluid used to fill new products, (2) the amount of fluid used to service existing products, (3) the amount of fluid originally used to fill retiring products (the total nameplate capacity of retiring products), (4) the product lifetime, and (5) the growth rate of product sales, if this has been used to calculate the amount of fluid originally used to fill retiring products. Alternatively, Parties may provide alternative formats with equivalent information. These formats may be considered for future versions of the common reporting format after the trial period.

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 2 of 2)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
3 Fire Extinguishers <input type="checkbox"/>									
4 Aerosols									
Metered Dose Inhalers <input type="checkbox"/>									
Other <input type="checkbox"/>									
5 Solvents <input type="checkbox"/>									
6 Semiconductors <input type="checkbox"/>									
7 Electric Equipment <input type="checkbox"/>									
8 Other (please specify) <input type="checkbox"/>									

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note indicating this and explanations in the documentation box.

Documentation box:

TABLE 3 SECTORAL REPORT FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark

1998

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	N ₂ O	NM VOC
	(Gg)		
Total Solvent and Other Product Use	114,11	0,00	38,86
A. Paint Application	73,73		23,66
B. Degreasing and Dry Cleaning	0,00		
C. Chemical Products, Manufacture and Processing			2,25
D. Other (please specify)	40,38	0,00	12,96
<i>(Use of N₂O for Anaesthesia)</i>	0,00		
<i>(N₂O from Fire Extinguishers)</i>	0,00		
<i>(N₂O from Aerosol Cans)</i>	0,00		
<i>(Other Use of N₂O)</i>	0,00		
	40,38		12,96

Please account for the quantity of carbon released in the form of NMVOC in both the NMVOC and the CO₂ columns.

Note: The IPCC Guidelines do not provide methodologies for the calculation of emissions of N₂O from Solvent and Other Product Use. If reporting such data, Parties should provide additional information (activity data and emission factors) used to make these estimates in the documentation box to Table 3.A-D.

TABLE 3.A-D SECTORAL BACKGROUND DATA FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS	
	Description	(kt)	CO ₂ (t/t)	N ₂ O (t/t)
A. Paint Application		0,00	0,00	0,00
B. Degreasing and Dry Cleaning		0,00	0,00	0,00
C. Chemical Products, Manufacture and Processing				
D. Other (please specify)⁽¹⁾				
<i>(Use of N₂O for Anaesthesia)</i>		0,00	0,00	0,00
<i>(N₂O from Fire Extinguishers)</i>		0,00	0,00	0,00
<i>(N₂O from Aerosol Cans)</i>		0,00	0,00	0,00
<i>(Other Use of N₂O)</i>		0,00	0,00	0,00

⁽¹⁾ Some probable sources are provided in brackets. Complement the list with other relevant sources. Make sure that the order is the same as in Table 3.

Note: The table follows the format of the IPCC Sectoral Report for Solvent and Other Product Use, although some of the source categories are not relevant to the direct GHG emissions.

Documentation box:

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 1 of 2)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK	CH ₄	N ₂ O	NO _x	CO	NMVOC
CATEGORIES	(Gg)				
Total Agriculture	183,51	27,62	0,00	0,00	1,22
A. Enteric Fermentation	138,07				
1. Cattle	117,99				
Dairy Cattle	69,58				
Non-Dairy Cattle	48,41				
2. Buffalo					
3. Sheep	1,25				
4. Goats					
5. Camels and Llamas					
6. Horses	0,69				
7. Mules and Asses					
8. Swine	18,14				
9. Poultry					
10. Other (<i>please specify</i>)	0,00				
B. Manure Management	45,45	1,50			0,00
1. Cattle	15,00				
Dairy Cattle	12,90				
Non-Dairy Cattle	2,09				
2. Buffalo					
3. Sheep	0,07				
4. Goats					
5. Camels and Llamas					
6. Horses	0,04				
7. Mules and Asses					
8. Swine	29,66				
9. Poultry	0,68				

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 2 of 2)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O	NO _x	CO	NMVOC
	(Gg)				
B. Manure Management (continued)					
10. Anaerobic Lagoons					
11. Liquid Systems		0,22			
12. Solid Storage and Dry Lot		1,29			
13. Other (please specify) <input type="checkbox"/>		0,00			0,00
C. Rice Cultivation	0,00				0,00
1. Irrigated	0,00				
2. Rainfed	0,00				
3. Deep Water	0,00				
4. Other (please specify) <input type="checkbox"/>	0,00				0,00
D. Agricultural Soils ⁽¹⁾	0,00	26,12			1,22
1. Direct Soil Emissions		16,91			1,22
2. Animal Production		0,83			
3. Indirect Emissions		8,09			
4. Other (please specify) <input type="checkbox"/>	0,00	0,28			0,00
E. Prescribed Burning of Savannas	0,00	0,00			
F. Field Burning of Agricultural Residues	0,00	0,00	0,00	0,00	0,00
1. Cereals	0,00	0,00			
2. Pulse	0,00	0,00			
3. Tuber and Root	0,00	0,00			
4. Sugar Cane	0,00	0,00			
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00
G. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ See footnote 4 to Summary 1.A of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category of the sector Agriculture should indicate the amount [Gg] of these emissions or removals in the documentation box to Table 4.D. Additional information (activity data, implied emissions factors) should also be provided using the relevant documentation box to Table 4.D. This table is not modified for reporting the CO₂ emissions and removals for the sake of consistency with the IPCC tables (i.e. IPCC Sectoral Report for Agriculture).

Note: The IPCC Guidelines do not provide methodologies for the calculation of CH₄ emissions, CH₄ and N₂O removals from agricultural soils, or CO₂ emissions from savanna burning or agricultural residues burning. If you have reported such data, you should provide additional information (activity data and emission factors) used to make these estimates using the relevant documentation boxes of the Sectoral background data tables.

TABLE 4.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

Denmark

1998

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA ⁽¹⁾ AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS
	Population size ⁽²⁾ (1000 head)	Average daily feed intake (MJ/day)	CH ₄ conversion (%)	CH ₄ (kg CH ₄ /head/yr)
1. Cattle	0			0,00
Dairy Cattle ⁽³⁾	669			104,00
Non-Dairy Cattle	1.308			37,00
2. Buffalo	0			0,00
3. Sheep	156			8,00
4. Goats	0			0,00
5. Camels and Llamas	0			0,00
6. Horses	38			18,00
7. Mules and Asses	0			0,00
8. Swine	12.095			1,50
9. Poultry	0			0,00
10. Other (please specify) <input type="checkbox"/>				0,00

Additional information (for Tier 2) ^(a)

Disaggregated list of animals ^(b)	Dairy Cattle	Non-Dairy Cattle	Other (specify)	Indicators:	
				Weight (kg)	Feeding situation ^(c)

^(a) Compare to Tables A-1 and A-2 of the IPCC Guidelines (Volume 3, Reference Manual, pp. 4.31-4.34). These data are relevant if Parties do not have data on average feed intake.

^(b) Disaggregate to the split actually used. Add columns to the table if necessary.

^(c) Specify feeding situation as pasture, stall fed, confined, open range, etc.

⁽¹⁾ In the documentation boxes to all Sectoral background data tables for Agriculture, Parties should provide information on whether the activity data is one year or a 3-year average.

⁽²⁾ Parties are encouraged to provide detailed livestock population data by animal type and region in a separate table below the documentation box. This consistent set of animal population statistics should be used to estimate CH₄ emissions from enteric fermentation, CH₄ and N₂O from manure management, N₂O direct emissions from soil and N₂O emissions associated with manure production, as well as emissions from the use of manure as fuel, and sewage-related emissions reported in the waste sector.

⁽³⁾ Including data on dairy heifers, if available.

Documentation box:

TABLE 4.B(a) SECTORAL BACKGROUND DATA FOR AGRICULTURE
CH₄ Emissions from Manure Management
 (Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS CH ₄ (kg CH ₄ /head/yr)	
	Population size (1) (1000 head)	Allocation by climate region (2)			Typical animal mass (kg)	VS ⁽³⁾ daily excretion (kg dm/head/yr)		CH ₄ producing potential (Bo) ⁽³⁾ (CH ₄ m ³ /kg VS)
		Cool	Temperate	Warm				
1. Cattle	0						0,00	
Dairy Cattle ⁽⁴⁾	669						19,29	
Non-Dairy Cattle	1.308						1,60	
2. Buffalo	0						0,00	
3. Sheep	226						0,32	
4. Goats	0						0,00	
5. Camels and Llamas	0						0,00	
6. Horses	38						1,10	
7. Mules and Asses	0						0,00	
8. Swine	20.719						1,43	
9. Poultry	22.295						0,03	

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ Climate regions are defined in terms of annual average temperature as follows: Cool=less than 15°C; Temperate=15°C to 25°C inclusive; and Warm=greater than 25°C (see Table 4.2 of the IPCC Guidelines (Volume 3, Reference Manual, p. 4.8)).

⁽³⁾ VS=Volatile Solids; Bo=maximum methane producing capacity for manure IPCC Guidelines (Volume 3, Reference Manual, p.4.23 and p. 4.15.

⁽⁴⁾ Including data on dairy heifers, if available.

Documentation Box:

Additional information (for Tier 2)

Animal category ^(a)	Indicator	Climate region	Animal waste management system					
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range paddock	Other
Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Non-Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Swine	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						

^(a) Copy the above table as many times as necessary.

^(b) MCF = Methane Conversion Factor (IPCC Guidelines, (Volume 3, Reference Manual, p. 4.9)). In the case of use of other climate region categorization, please replace the entries in the cells with the climate regions for which the MCFs are specified.

TABLE 4.B(b) SECTORAL BACKGROUND DATA FOR AGRICULTURE
N₂O Emissions from Manure Management
(Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION								IMPLIED EMISSION FACTORS	
	Population size (1) (1000s)	Nitrogen excretion (kg N/head/yr)	Nitrogen excretion per animal waste management system (kg N/yr)						Emission factor per animal waste management system (kg N ₂ O-N/kg N)	
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range and paddock	Other		
Non-Dairy Cattle	669								Anaerobic lagoon	0,000
Dairy Cattle	1.308								Liquid system	0,000
Sheep	226								Solid storage and dry lot	0,000
Swine	20.719								Other	0,000
Poultry	22.295									
Other (please specify) <input type="checkbox"/>										
Total per AWMS⁽²⁾			0,0	0,0	0,0	0,0	0,0	0,0		

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ AWMS - Animal Waste Management System.

Documentation box:

TABLE 4.C SECTORAL BACKGROUND DATA FOR AGRICULTURE

Rice Cultivation

(Sheet 1 of 1)

Denmark

1998

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR ⁽¹⁾	EMISSIONS
	Harvested area ⁽²⁾ (10 ⁻⁹ m ² /yr)	Organic amendments added ⁽³⁾ :		CH ₄ (g/m ²)	CH ₄ (Gg)
		type	(t/ha)		
1. Irrigated					0,00
Continuously Flooded				0,00	
Intermittently Flooded	Single Aeration			0,00	
	Multiple Aeration			0,00	
2. Rainfed					0,00
Flood Prone				0,00	
Drought Prone				0,00	
3. Deep Water					0,00
Water Depth 50-100 cm				0,00	
Water Depth > 100 cm				0,00	
4. Other (please specify)					0,00
				0,00	
Upland Rice ⁽⁴⁾					
Total ⁽⁴⁾	0,00				

⁽¹⁾ The implied emission factor takes account of all relevant corrections for continuously flooded fields without organic amendment plus the correction for the organic amendments, if used, as well as of the effect of different soil characteristics, if taken into account, on methane emissions.

⁽²⁾ Harvested area is the cultivated area multiplied by the number of cropping seasons per year.

⁽³⁾ Specify dry weight or wet weight for organic amendments.

⁽⁴⁾

Documentation box:

When disaggregating by more than one region within a country, provide additional information in the documentation box.

Where available, provide activity data and scaling factors by soil type and rice cultivar.

TABLE 4.D SECTORAL BACKGROUND DATA FOR AGRICULTURE

Agricultural Soils⁽¹⁾
 (Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION		IMPLIED EMISSION FACTORS		EMISSIONS (Gg N ₂ O)
	Description	Value	Unit		
Direct Soil Emissions	N input to soils (kg N/yr)				16,91
Synthetic Fertilizers	Use of synthetic fertilizers (kg N/yr)	283.200.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,012	5,45
Animal Wastes Applied to Soils	Nitrogen input from manure applied to soils (kg N/yr)	248.330.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,009	3,50
N-fixing Crops	Dry pulses and soybeans produced (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	0,63
Crop Residue	Dry production of other crops (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	7,18
Cultivation of Histosols	Area of cultivated organic soils (ha)	18.440	(kg N ₂ O-N/ha) ⁽²⁾	5,000	0,14
Animal Production	N excretion on pasture range and paddock (kg N/yr)	28.470.000	(kg N₂O-N/kg N)⁽²⁾	0,019	0,83
Indirect Emissions					8,09
Atmospheric Deposition	(kg N/yr)	77.934.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,010	1,22
Nitrogen Leaching and Run-off	N from fertilizers and animal wastes that is lost through leaching and run off (kg N/yr)	174.800.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,025	6,87
Other (please specify)					0,28
Sewage sludge used as fertilizer	(kg N/yr)	4.020.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,013	0,08
Industrial waste used as fertilizer	(kg N/yr)	10.460.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,013	0,21
				0,000	

Additional information

Fraction ^(a)	Description	Value
Frac _{BURN}	Fraction of crop residue burned	0,00
Frac _{FUEL}	Fraction of livestock N excretion in excrements burned for fuel	0,00
Frac _{GASF}	Fraction of synthetic fertilizer N applied to soils that volatilizes as NH ₃ and NO _x	0,02
Frac _{GASM}	Fraction of livestock N excretion that volatilizes as NH ₃ and NO _x	0,28
Frac _{GRAZ}	Fraction of livestock N excreted and deposited onto soil during grazing	
Frac _{LEACH}	Fraction of N input to soils that is lost through leaching and runoff	
Frac _{NCRBF}	Fraction of N in non-N-fixing crop	
Frac _{NCRO}	Fraction of N in N-fixing crop	
Frac _R	Fraction of crop residue removed from the field as crop	

^(a) Use the fractions as specified in the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.92 - 4.113).

⁽¹⁾ See footnote 4 to Summary 1.A. of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category should indicate the amount [Gg] of these emissions or removals and relevant additional information (activity data, implied emissions factors) in the documentation box.

⁽²⁾ To convert from N₂O-N to N₂O emissions, multiply by 44/28.

Documentation box:

TABLE 4.E SECTORAL BACKGROUND DATA FOR AGRICULTURE
Prescribed Burning of Savannas
(Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION					IMPLIED EMISSION FACTORS		EMISSIONS	
	Area of savanna burned (k ha/yr)	Average aboveground biomass density (t dm/ha)	Fraction of savanna burned	Biomass burned (Gg dm)	Nitrogen fraction in biomass	(kg/t dm)		(Gg)	
						CH ₄	N ₂ O	CH ₄	N ₂ O
(specify ecological zone) <input type="checkbox"/>								0,00	0,00
						0,00	0,00		

Additional information

	Living	Dead
Fraction of aboveground biomass		
Fraction oxidized		
Carbon fraction		

Documentation box:

TABLE 4.F SECTORAL BACKGROUND DATA FOR AGRICULTURE
Field Burning of Agricultural Residues
 (Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		EMISSIONS	
	Crop production (t)	Residue/ Crop ratio	Dry matter fraction	Fraction burned in fields	Biomass burned (Gg dm)	Nitrogen fraction in biomass of residues	CH ₄	N ₂ O	CH ₄	N ₂ O
							(kg/t dm)	(kg/t dm)	(Gg)	(Gg)
1. Cereals								0,00	0,00	
Wheat						0,00	0,00			
Barley						0,00	0,00			
Maize						0,00	0,00			
Oats						0,00	0,00			
Rye						0,00	0,00			
Rice						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
2. Pulse ⁽¹⁾								0,00	0,00	
Dry bean						0,00	0,00			
Peas						0,00	0,00			
Soybeans						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
3 Tuber and Root								0,00	0,00	
Potatoes						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
4 Sugar Cane						0,00	0,00			
5 Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			

⁽¹⁾ To be used in Table 4.D of this common reporting format.

Documentation Box:

TABLE 5 SECTORAL REPORT FOR LAND-USE CHANGE AND FORESTRY
(Sheet 1 of 1)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions/ removals	CH ₄	N ₂ O	NO _x	CO
	(Gg)						
Total Land-Use Change and Forestry	0,00	-964,00	-964,00	0,00	0,00	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-964,00	-964,00				
1. Tropical Forests			0,00				
2. Temperate Forests		-964,00	-964,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
Harvested Wood ⁽¹⁾			0,00				
			0,00				
B. Forest and Grassland Conversion⁽²⁾	0,00			0,00	0,00	0,00	0,00
1. Tropical Forests							
2. Temperate Forests							
3. Boreal Forests							
4. Grasslands/Tundra							
5. Other (please specify) <input type="checkbox"/>	0,00			0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00				
1. Tropical Forests			0,00				
2. Temperate Forests			0,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
D. CO₂ Emissions and Removals from Soil	0,00	0,00	0,00				
Cultivation of Mineral Soils			0,00				
Cultivation of Organic Soils			0,00				
Liming of Agricultural Soils			0,00				
Forest Soils			0,00				
Other (please specify) ⁽³⁾ <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
E. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00				

⁽¹⁾ Following the IPCC Guidelines, the harvested wood should be reported under Changes in Forest and Other Woody Biomass Stocks (Volume 3. Reference Manual, p.5.17).

⁽²⁾ Include only the emissions of CO₂ from Forest and Grassland Conversion. Associated removals should be reported under section D.

⁽³⁾ Include emissions from soils not reported under sections A, B and C.

Note: See footnote 4 to Summary 1.A of this common reporting format.

TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark
1998
April 11, 2001

**Changes in Forest and Other Woody Biomass Stocks
(Sheet 1 of 1)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES			ACTIVITY DATA		IMPLIED EMISSION FACTORS	ESTIMATES
			Area of forest/biomass stocks (kha)	Average annual growth rate (t dm/ha)	Implied carbon uptake factor (t C/ha)	Carbon uptake increment (Gg C)
Tropical	Plantations	<i>Acacia spp.</i>			0,00	
		<i>Eucalyptus spp.</i>			0,00	
		<i>Tectona grandis</i>			0,00	
		<i>Pinus spp</i>			0,00	
		<i>Pinus caribaea</i>			0,00	
		Mixed Hardwoods			0,00	
		Mixed Fast-Growing Hardwoods			0,00	
		Mixed Softwoods			0,00	
	Other Forests	Moist			0,00	
		Seasonal			0,00	
		Dry			0,00	
	Other (specify)				0,00	
	Temperate	Plantations				0,00
Commercial		Evergreen			0,00	
		Deciduous			0,00	
Other (specify)					0,00	
Boreal				0,00		
			Number of trees (1000s of trees)	Annual growth rate (kt dm/1000 trees)	Carbon uptake factor (t C/tree)	Carbon uptake increment (Gg C)
Non-Forest Trees (specify type)						0,00
Total annual growth increment (Gg C)						0,00
Gg CO ₂						0,00
			Amount of biomass removed (kt dm)	Carbon emission factor (t C/t dm)	Carbon release (Gg C)	
Total biomass removed in Commercial Harvest					0,00	
Traditional Fuelwood Consumed					0,00	
Total Other Wood Use					0,00	
Total Biomass Consumption from Stocks ⁽¹⁾ (Gg C)						0,00
Other Changes in Carbon Stocks ⁽²⁾ (Gg C)						
Gg CO ₂						0,00
Net annual carbon uptake (+) or release (-) (Gg C)						0,00
Net CO ₂ emissions (-) or removals (+) (Gg CO ₂)						0,00

⁽¹⁾ Make sure that the quantity of biomass burned off-site is subtracted from this total.

⁽²⁾ The net annual carbon uptake/release is determined by comparing the annual biomass growth versus annual harvest, including the decay of forest products and slash left during harvest. The IPCC Guidelines recommend default assumption that all carbon removed in wood and other biomass from forests is oxidized in the year of removal. The emissions from decay could be included under Other Changes in Carbon Stocks.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.B SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Forest and Grassland Conversion
 (Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS					EMISSIONS					
		On and off site burning				Decay of above-ground biomass ⁽¹⁾		Burning			Decay	Burning				Decay		
		Area converted annually (kha)	Annual net loss of biomass (kt dm)	Quantity of biomass burned		Average area converted (kha)	Average annual net loss of biomass (t dm/ha)	On site				Off site CO ₂	On site				Off site CO ₂	
				On site (kt dm)	Off site (kt dm)			CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄	N ₂ O				
								(t/ha)					(Gg)					
Vegetation types	Tropical	Wet/Very Moist						0,00	0,00	0,00	0,00	0,00						
		Moist, short dry season						0,00	0,00	0,00	0,00	0,00						
		Moist, long dry season						0,00	0,00	0,00	0,00	0,00						
		Dry						0,00	0,00	0,00	0,00	0,00						
		Montane Moist						0,00	0,00	0,00	0,00	0,00						
		Montane Dry						0,00	0,00	0,00	0,00	0,00						
		Tropical Savanna/Grasslands						0,00	0,00	0,00	0,00	0,00						
	Temperate	Coniferous						0,00	0,00	0,00	0,00	0,00						
		Broadleaf						0,00	0,00	0,00	0,00	0,00						
		Mixed Broadleaf/Coniferous						0,00	0,00	0,00	0,00	0,00						
Grasslands							0,00	0,00	0,00	0,00	0,00							
Boreal	Mixed Broadleaf/Coniferous						0,00	0,00	0,00	0,00	0,00							
	Coniferous						0,00	0,00	0,00	0,00	0,00							
	Forest-tundra						0,00	0,00	0,00	0,00	0,00							
Grasslands/Tundra							0,00	0,00	0,00	0,00	0,00							
Other (please specify)							0,00	0,00	0,00	0,00	0,00							
							0,00	0,00	0,00	0,00	0,00							
Total													0,00	0,00	0,00	0,00	0,00	

⁽¹⁾ Activity data are for default 10-year average. Specify the average decay time which is appropriate for the local conditions, if other than 10 years.

Emissions/Removals	On site	Off site
Immediate carbon release from burning	0,00	0,00
Total On site and Off site (Gg C)	0,00	
Delayed emissions from decay (Gg C)	0,00	
Total annual carbon release (Gg C)	0,00	
Total annual CO ₂ emissions (Gg CO ₂)	0,00	

Additional information

Fractions	On site	Off site
Fraction of biomass burned (average)		
Fraction which oxidizes during burning (average)		
Carbon fraction of aboveground biomass (average)		
Fraction left to decay (average)		
Nitrogen-carbon ratio		

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.C SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Abandonment of Managed Lands
(Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		ESTIMATES	
		Total area abandoned and regrowing ⁽¹⁾		Annual rate of aboveground biomass growth		Carbon fraction of aboveground biomass		Rate of aboveground biomass carbon uptake		Annual carbon uptake in aboveground biomass	
		first 20 years (kha)	>20 years (kha)	first 20 years (t dm/ha)	>20 years (t dm/ha)	first 20 years	>20 years	first 20 years (t C/ha/yr)	>20 years (t C/ha/yr)	first 20 years (Gg C/yr)	>20 years (Gg C/yr)
Original natural ecosystems											
Tropical	Wet/Very Moist							0,00	0,00		
	Moist, short dry season							0,00	0,00		
	Moist, long dry season							0,00	0,00		
	Dry							0,00	0,00		
	Montane Moist							0,00	0,00		
	Montane Dry							0,00	0,00		
Tropical Savanna/Grasslands								0,00	0,00		
Temperate	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Broadleaf							0,00	0,00		
Grasslands								0,00	0,00		
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Forest-tundra							0,00	0,00		
Grasslands/Tundra								0,00	0,00		
Other (please specify)								0,00	0,00		
								0,00	0,00		
Total annual carbon uptake (Gg C)										0,00	
Total annual CO ₂ removal (Gg CO ₂)										0,00	

⁽¹⁾ If lands are regenerating to grassland, then the default assumption is that no significant changes in above-ground biomass occur.

Note: Sectoral background data tables on Land-use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.D SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
CO₂ Emissions and Removals from Soil
 (Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS	ESTIMATES
	Land area (Mha)	Average annual rate of soil carbon uptake/removal (Mg C/ha/yr)	Net change in soil carbon in mineral soils (Tg C over 20 yr)
Cultivation of Mineral Soils ⁽¹⁾			0,00
High Activity Soils		0,00	
Low Activity Soils		0,00	
Sandy		0,00	
Volcanic		0,00	
Wetland (Aquic)		0,00	
Other (please specify)			0,00
		0,00	
	Land area (ha)	Annual loss rate (Mg C/ha/yr)	Carbon emissions from organic soils (Mg C/yr)
Cultivation of Organic Soils			0,00
Cool Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Warm Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Tropical			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
	Total annual amount of lime (Mg)	Carbon conversion factor	Carbon emissions from liming (Mg C)
Liming of Agricultural Soils			0,00
Limestone Ca(CO ₃)		0,00	
Dolomite CaMg(CO ₃) ₂		0,00	
Total annual net carbon emissions from agriculturally impacted soils (Gg C)			0,00
Total annual net CO ₂ emissions from agriculturally impacted soils (Gg CO ₂)			0,00

Additional information

Year	Climate ^(a)	land-use/ management system ^(a)	Soil type					
			High activity soils	Low activity soils	Sandy	Volcanic	Wetland (Aquic)	Organic soil
percent distribution (%)								
20 years prior	(e.g. tropical, dry)	(e.g. savanna)						
		(e.g. irrigated cropping)						
inventory year								

^(a) These should represent the major types of land management systems per climate regions presented in the country as well as ecosystem types which were either converted to agriculture (e.g., forest, savanna, grassland) or have been derived from previous agricultural land-use (e.g., abandoned lands, reforested lands). Systems should also reflect differences in soil carbon stocks that can be related to differences in management (IPCC Guidelines (Volume 2. Workbook, Table 5-9, p. 5.26, and Appendix (pp. 5-31 - 5.38)).

⁽¹⁾ The information to be reported under Cultivation of Mineral Soils aggregates data per soil type over all land-use/management systems. This refers to land area data and to the emission estimates and implied emissions factors accordingly.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation Box:

TABLE 6 SECTORAL REPORT FOR WASTE
(Sheet 1 of 1)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Waste	0,00	55,40	0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	0,00	55,40		0,00	0,00	0,00	
1. Managed Waste Disposal on Land	0,00	55,40					
2. Unmanaged Waste Disposal Sites	0,00	0,00					
3. Other (<i>please specify</i>)	0,00	0,00		0,00	0,00	0,00	
B. Wastewater Handling		0,00	0,00	0,00	0,00	0,00	
1. Industrial Wastewater		0,00	0,00				
2. Domestic and Commercial Wastewater		0,00	0,00				
3. Other (<i>please specify</i>)		0,00	0,00	0,00	0,00	0,00	
C. Waste Incineration	0,00	0,00	0,00				
D. Other (<i>please specify</i>)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biological or inorganic waste sources.

TABLE 6.A SECTORAL BACKGROUND DATA FOR WASTE
Solid Waste Disposal
(Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION				IMPLIED EMISSION FACTOR		EMISSIONS ⁽¹⁾	
	Annual MSW at the SWDS (Gg)	MCF	DOC degraded (Gg)	CH ₄ recovery ⁽²⁾ (Gg)	CH ₄ (t/t MSW)	CO ₂ (t/t MSW)	CH ₄ (Gg)	CO ₂ ⁽³⁾ (Gg)
1 Managed Waste Disposal on Land	2,000.10				0.03	0.00	55.40	
2 Unmanaged Waste Disposal Sites					0.00	0.00	0.00	0.00
- deep (>5 m)	0.00				0.00	0.00		
- shallow (<5 m)					0.00	0.00		
3 Other (please specify)					0.00	0.00	0.00	0.00

Additional information

Description	Value
Total population (1000s) ^(a)	
Urban population (1000s) ^(a)	
Waste generation rate (kg/capita/day)	
Fraction of MSW disposed to SWDS	
Fraction of DOC in MSW	
Fraction of wastes incinerated	
Fraction of wastes recycled	
CH ₄ oxidation factor (b)	
CH ₄ fraction in landfill gas	
Number of SWDS recovering CH ₄	
CH ₄ generation rate constant (k) ^(c)	
Time lag considered (yr) ^(c)	
Composition of landfilled waste (%)	
Paper and paperboard	
Food and garden waste	
Plastics	
Glass	
Textiles	
Other (specify)	
other - inert	
other - organic	

TABLE 6.C SECTORAL BACKGROUND DATA FOR WASTE
Waste Incineration
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA Amount of incinerated wastes (Gg)	IMPLIED EMISSION FACTOR			EMISSIONS		
		CO ₂ (kg/t waste)	CH ₄ (kg/t waste)	N ₂ O (kg/t waste)	CO ₂ ⁽³⁾ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Waste Incineration (please specify)	0.00				0.00	0.00	0.00
(biogenic) ⁽³⁾		0.00	0.00	0.00			
(plastics and other non-biogenic waste) ⁽³⁾		0.00	0.00	0.00			
		0.00	0.00	0.00			

MSW - Municipal Solid Waste, SWDS - Solid Waste Disposal Site, MCF - Methane Correction Factor, DOC - Degradable Organic Carbon (IPCC Guidelines (Volume 3. Reference Manual, section 6.2.4)). MSW includes household waste, yard/garden waste, commercial/market waste and organic industrial solid waste. MSW should not include inorganic industrial waste such as construction or demolition materials.

⁽¹⁾ Actual emissions (after recovery).

⁽²⁾ CH₄ recovered and flared or utilized.

⁽³⁾ Under Waste Disposal, CO₂ emissions should be reported only when the disposed wastes are combusted at the disposal site which might constitute a management practice. CO₂ emissions from non-biogenic wastes are included in the totals, while the CO₂ emissions from biogenic wastes are not included in the totals.

Documentation box:

All relevant information used in calculation should be provided in the additional information box and in the documentation box.
 Parties that use country specific models should note this with a brief rationale in the documentation box and fill the relevant cells only.

^(a) Specify whether total or urban population is used and the rationale for doing so.

^(b) See IPCC Guidelines (Volume 3. Reference Manual, p. 6.9).

^(c) For Parties using Tier 2 methods.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)

(Sheet 1 of 3)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂		
	(Gg)				CO ₂ equivalent (Gg)				(Gg)							
	P	A	P	A	P	A	P	A								
Total National Emissions and Removals	60,202,76	-964,00	286,55	31,19	1,903,46	503,11	42,00	14,00	0,01	0,00	232,85	608,75	144,28	76,96		
1. Energy	58,652,41		47,63	3,57							232,50	608,75	94,68	76,96		
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00														
	Sectoral Approach ⁽²⁾	58,231,79		32,39	3,56						230,34	576,05	83,98	75,45		
1. Energy Industries		31,506,24		19,56	1,01						73,08	13,44	1,68	55,18		
2. Manufacturing Industries and Construction		6,078,53		1,17	0,42						27,99	18,81	4,53	10,13		
3. Transport		12,419,13		3,22	1,41						89,75	318,77	59,22	5,32		
4. Other Sectors		8,023,85		8,43	0,71						38,35	224,31	18,40	4,78		
5. Other		204,03		0,01	0,01						1,16	0,72	0,16	0,04		
B. Fugitive Emissions from Fuels		420,62		15,24	0,01						2,16	32,70	10,70	1,51		
1. Solid Fuels		0,00		3,97	0,00						0,00	31,29	0,00	0,00		
2. Oil and Natural Gas		420,62		11,27	0,01						2,16	1,41	10,70	1,51		
2. Industrial Processes	1,436,25		0,00	0,00	1,903,46	503,11	42,00	14,00	0,01	0,00	0,35	0,00	0,50	0,00		
A. Mineral Products	1,436,25		0,00	0,00							0,00	0,00	0,00	0,00		
B. Chemical Industry	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,35	0,00	0,00	0,00		
C. Metal Production	0,00		0,00	0,00				0,00		0,00	0,00	0,00	0,00	0,00		
D. Other Production ⁽³⁾	0,00										0,00	0,00	0,50	0,00		
E. Production of Halocarbons and SF ₆						0,00		0,00		0,00						
F. Consumption of Halocarbons and SF ₆					1,903,46	503,11	42,00	14,00	0,01	0,00						
G. Other	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach. Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ Other Production includes Pulp and Paper and Food and Drink Production.

Note: The numbering of footnotes to all tables containing more than one sheet continue to the next sheet. Common footnotes are given only once at the first point of reference.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	emissions	removals			P	A	P	A	P	A				
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
3. Solvent and Other Product Use	114,11			0,00									38,86	
4. Agriculture	0,00	0,00	183,51	27,62							0,00	0,00	1,22	0,00
A. Enteric Fermentation			138,07											
B. Manure Management			45,45	1,50									0,00	
C. Rice Cultivation			0,00										0,00	
D. Agricultural Soils	⁽⁴⁾	⁽⁴⁾	0,00	26,12									1,22	
E. Prescribed Burning of Savannas			0,00	0,00						0,00	0,00		0,00	
F. Field Burning of Agricultural Residues			0,00	0,00						0,00	0,00		0,00	
G. Other			0,00	0,00						0,00	0,00		0,00	
5. Land-Use Change and Forestry	⁽⁵⁾	0,00	⁽⁵⁾ -964,00	0,00	0,00					0,00	0,00	9,01	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	⁽⁵⁾	0,00	⁽⁵⁾ -964,00											
B. Forest and Grassland Conversion		0,00		0,00	0,00					0,00	0,00		9,01	
C. Abandonment of Managed Lands	⁽⁵⁾	0,00	⁽⁵⁾ 0,00											
D. CO ₂ Emissions and Removals from Soil	⁽⁵⁾	0,00	⁽⁵⁾ 0,00											
E. Other	⁽⁵⁾	0,00	⁽⁵⁾ 0,00	0,00	0,00					0,00	0,00			
6. Waste	0,00		55,40	0,00						0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	⁽⁶⁾	0,00	55,40									0,00	0,00	
B. Wastewater Handling			0,00	0,00						0,00	0,00		0,00	
C. Waste Incineration	⁽⁶⁾	0,00	0,00	0,00						0,00	0,00		0,00	0,00
D. Other		0,00	0,00	0,00						0,00	0,00		0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽⁴⁾ According to the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.2, 4.87), CO₂ emissions from agricultural soils are to be included under Land-Use Change and Forestry (LUCF). At the same time, the Summary Report 7A (Volume 1. Reporting Instructions, Tables.27) allows for reporting CO₂ emissions or removals from agricultural soils, either in the Agriculture sector, under D. Agricultural Soils or in the Land-Use Change and Forestry sector under D. Emissions and Removals from Soil. Parties may choose either way to report emissions or removals from this source in the common reporting format, but the way they have chosen to report should be clearly indicated, by inserting explanatory comments to the corresponding cells of Summary 1.A and Summary 1.B. Double-counting of these emissions or removals should be avoided. Parties should include these emissions or removals consistently in Table8(a) (Recalculation - Recalculated data) and Table10 (Emission trends).

⁽⁵⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽⁶⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biogenic or inorganic waste streams.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs		PFCs		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)					(Gg)			
Memo Items: ⁽⁷⁾														
International Bunkers	6,595,36		0,14	0,37							129,76	12,28	3,63	60,00
Aviation	2,181,12		0,04	0,09							8,78	1,99	0,39	0,14
Marine	4,414,24		0,10	0,28							120,99	10,29	3,24	59,86
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	6,265,73													

⁽⁷⁾ Memo Items are not included in the national totals.

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
	P	A	P	A	P	A	P	A	P	A				
Total National Emissions and Removals	60.202,76	-964,00	286,55	31,19	1.903,46	503,11	42,00	14,00	0,01	0,00	232,85	608,75	144,28	76,96
1. Energy	58.652,41		47,63	3,57							232,50	608,75	94,68	76,96
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	58.231,79		32,39	3,56						230,34	576,05	83,98	75,45
B. Fugitive Emissions from Fuels		420,62		15,24	0,01						2,16	32,70	10,70	1,51
2. Industrial Processes	1.436,25		0,00	0,00	1.903,46	503,11	42,00	14,00	0,01	0,00	0,35	0,00	0,50	0,00
3. Solvent and Other Product Use	114,11			0,00							0,00	0,00	38,86	0,00
4. Agriculture⁽³⁾	0,00	0,00	183,51	27,62							0,00	0,00	1,22	0,00
5. Land-Use Change and Forestry⁽⁴⁾	0,00⁽⁴⁾	-964,00⁽⁴⁾	0,00	0,00							0,00	0,00	9,01	0,00
6. Waste	0,00		55,40	0,00							0,00	0,00	0,00	0,00
7. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:														
International Bunkers	6.595,36		0,14	0,37							129,76	12,28	3,63	60,00
Aviation	2.181,12		0,04	0,09							8,78	1,99	0,39	0,14
Marine	4.414,24		0,10	0,28							120,99	10,29	3,24	59,86
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	6.265,73													

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in document box of Table 1.A(c). Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ See footnote 4 to Summary 1.A.

⁽⁴⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

SUMMARY 2 SUMMARY REPORT FOR CO₂ EQUIVALENT EMISSIONS
(Sheet 1 of 1)

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	Total
	CO ₂ equivalent (Gg)						
Total (Net Emissions)⁽¹⁾	59,238,76	6,017,47	9,669,72	503,11	14,00	59,44	75,502,49
1. Energy	58,652,41	1,000,25	1,106,90				60,759,56
A. Fuel Combustion (Sectoral Approach)	58,231,79	680,28	1,104,61				60,016,68
1. Energy Industries	31,506,24	410,69	312,72				32,229,66
2. Manufacturing Industries and Construction	6,078,53	24,56	130,65				6,233,75
3. Transport	12,419,13	67,65	437,28				12,924,06
4. Other Sectors	8,023,85	177,11	221,27				8,422,23
5. Other	204,03	0,26	2,69				206,98
B. Fugitive Emissions from Fuels	420,62	319,98	2,29				742,89
1. Solid Fuels	0,00	83,35	0,00				83,35
2. Oil and Natural Gas	420,62	236,63	2,29				659,54
2. Industrial Processes	1,436,25	0,00	0,00	503,11	14,00	59,44	2,012,79
A. Mineral Products	1,436,25	0,00	0,00				1,436,25
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00		0,00	16,73	16,73
D. Other Production	0,00						0,00
E. Production of Halocarbons and SF ₆				0,00	0,00	0,00	0,00
F. Consumption of Halocarbons and SF ₆				503,11	14,00	42,71	559,82
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	114,11		0,00				114,11
4. Agriculture	0,00	3,853,80	8,562,81				12,416,61
A. Enteric Fermentation		2,899,43					2,899,43
B. Manure Management		954,37	465,78				1,420,14
C. Rice Cultivation		0,00					0,00
D. Agricultural Soils ⁽²⁾		0,00	8,097,04				8,097,04
E. Prescribed Burning of Savannas		0,00	0,00				0,00
F. Field Burning of Agricultural Residues		0,00	0,00				0,00
G. Other		0,00	0,00				0,00
5. Land-Use Change and Forestry⁽¹⁾	-964,00	0,00	0,00				-964,00
6. Waste	0,00	1,163,42	0,00				1,163,42
A. Solid Waste Disposal on Land	0,00	1,163,42					1,163,42
B. Wastewater Handling		0,00	0,00				0,00
C. Waste Incineration	0,00	0,00	0,00				0,00
D. Other	0,00	0,00	0,00				0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:							
International Bunkers	6,595,36	2,96	113,30				6,711,61
Aviation	2,181,12	0,86	27,08				2,209,05
Marine	4,414,24	2,10	86,22				4,502,56
Multilateral Operations	0,00	0,00	0,00				0,00
CO₂ Emissions from Biomass	6,265,73						6,265,73

⁽¹⁾ For CO₂ emissions from Land-Use Change and Forestry the net emissions are to be reported. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions / removals	CH ₄	N ₂ O	Total emissions
	CO ₂ equivalent (Gg)					
Land-Use Change and Forestry						
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-964,00	-964,00			-964,00
B. Forest and Grassland Conversion	0,00		0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00			0,00
D. CO ₂ Emissions and Removals from Soil	0,00	0,00	0,00			0,00
E. Other	0,00	0,00	0,00	0,00	0,00	0,00
Total CO₂ Equivalent Emissions from Land-Use Change and Forestry	0,00	-964,00	-964,00	0,00	0,00	-964,00

Total CO₂ Equivalent Emissions without Land-Use Change and Forestry^(a) 76.466,49

Total CO₂ Equivalent Emissions with Land-Use Change and Forestry^(a) 75.502,49

^(a) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 1 of 2)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
1. Energy												
A. Fuel Combustion												
1. Energy Industries												
2. Manufacturing Industries and Construction												
3. Transport												
4. Other Sectors												
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
2. Oil and Natural Gas												
2. Industrial Processes												
A. Mineral Products												
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF ₆												
F. Consumption of Halocarbons and SF ₆												
G. Other												

⁽¹⁾ Use the following notation keys to specify the method applied: D (IPCC default), RA (Reference Approach), T1 (IPCC Tier 1), T1a, T1b, T1c (IPCC Tier 1a, Tier 1b and Tier 1c, respectively), T2 (IPCC Tier 2), T3 (IPCC Tier 3), C (CORINAIR), CS (Country Specific), M (Model). If using more than one method, enumerate the relevant methods. Explanations of any modifications to the default IPCC methods, as well as information on the proper use of methods per source category where more than one method is indicated, and explanations on the country specific methods, should be provided in the documentation box of the relevant Sectoral background data table.

⁽²⁾ Use the following notation keys to specify the emission factor used: D (IPCC default), C (CORINAIR), CS (Country Specific), PS (Plant Specific), M (Model). Where a mix of emission factors has been used, use different notations in one and the same cells with further explanation in the documentation box of the relevant Sectoral background data table.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 2 of 2)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation												
B. Manure Management												
C. Rice Cultivation												
D. Agricultural Soils												
E. Prescribed Burning of Savannas												
F. Field Burning of Agricultural Residues												
G. Other												
5. Land-Use Change and Forestry												
A. Changes in Forest and Other Woody Biomass Stocks												
B. Forest and Grassland Conversion												
C. Abandonment of Managed Lands												
D. CO ₂ Emissions and Removals from Soil												
E. Other												
6. Waste												
A. Solid Waste Disposal on Land												
B. Wastewater Handling												
C. Waste Incineration												
D. Other												
7. Other (please specify) <input type="checkbox"/>												

TABLE 7 OVERVIEW TABLE⁽¹⁾ FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 1 of 3)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
Total National Emissions and Removals																					
1 Energy																					
A. Fuel Combustion Activities																					
Reference Approach																					
Sectoral Approach																					
1. Energy Industries																					
2. Manufacturing Industries and Construction																					
3. Transport																					
4. Other Sectors																					
5. Other																					
B. Fugitive Emissions from Fuels																					
1. Solid Fuels																					
2. Oil and Natural Gas																					
2 Industrial Processes																					
A. Mineral Products																					
B. Chemical Industry																					
C. Metal Production																					
D. Other Production																					
E. Production of Halocarbons and SF ₆																					

⁽¹⁾ This table is intended to be used by Parties to summarize their own assessment of completeness (e.g. partial, full estimate, not estimated) and quality (high, medium, low) of major source/sink inventory estimates. The latter could be understood as a quality assessment of the uncertainty of the estimates. This table might change once the IPCC completes its work on managing uncertainties of GHG inventories. The title of the table was kept for consistency with the current table in the IPCC Guidelines.

Note: To fill in the table use the notation key as given in the IPCC Guidelines (Volume 1. Reporting Instructions, Tables. 37).

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 2 of 3)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
2 Industrial Processes (continued)																					
F. Consumption of Halocarbons and SF ₆																					
Potential ⁽²⁾																					
Actual ⁽³⁾																					
G. Other																					
3 Solvent and Other Product Use																					
4 Agriculture																					
A. Enteric Fermentation																					
B. Manure Management																					
C. Rice Cultivation																					
D. Agricultural Soils																					
E. Prescribed Burning of Savannas																					
F. Field Burning of Agricultural Residues																					
G. Other																					
5 Land-Use Change and Forestry																					
A. Changes in Forest and Other Woody Biomass Stocks																					
B. Forest and Grassland Conversion																					

⁽²⁾ Potential emissions based on Tier 1 approach of the IPCC Guidelines.

⁽³⁾ Actual emissions based on Tier 2 approach of the IPCC Guidelines.

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
 (Sheet 3 of 3)

Denmark
 1998
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
5 Land-Use Change and Forestry (continued)																					
C. Abandonment of Managed Lands																					
D. CO ₂ Emissions and Removals from Soil																					
E. Other																					
6 Waste																					
A. Solid Waste Disposal on Land																					
B. Wastewater Handling																					
C. Waste Incineration																					
D. Other																					
7 Other (please specify)																					
Memo Items:																					
International Bunkers																					
Aviation																					
Marine																					
Multilateral Operations																					
CO ₂ Emissions from Biomass																					

TABLE 8(a) RECALCULATION - RECALCULATED DATA

 Recalculated
(Sheet 1 of 2)

 year:

 Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂			CH ₄			N ₂ O		
	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾
	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)
Total National Emissions and Removals	59,151,53	59,238,76	0,15	6,024,23	6,017,47	-0,11	9,454,13	9,669,72	2,28
1. Energy	58,567,15	58,652,41	0,15	1,006,91	1,000,25	-0,66	891,93	1,106,90	24,10
1.A. Fuel Combustion Activities	58,146,53	58,231,79	0,15	686,87	680,28	-0,96	888,83	1,104,61	24,28
1.A.1. Energy Industries	31,506,24	31,506,24	0,00	410,76	410,69	-0,02	313,10	312,72	-0,12
1.A.2. Manufacturing Industries and Construction	6,020,23	6,078,53	0,97	22,68	24,56	8,31	55,80	130,65	134,14
1.A.3. Transport	12,421,18	12,419,13	-0,02	71,99	67,65	-6,03	430,03	437,28	1,68
1.A.4. Other Sectors	8,087,56	8,023,85	-0,79	181,23	177,11	-2,27	89,90	221,27	146,13
1.A.5. Other	111,32	204,03	83,28	0,21	0,26	23,76	3,10	2,69	-13,16
1.B. Fugitive Emissions from Fuels	420,62	420,62	0,00	320,04	319,98	-0,02	3,10	2,29	-26,08
1.B.1. Solid fuel	0,00	0,00	0,00	83,37	83,35	-0,03	0,00	0,00	0,00
1.B.2. Oil and Natural Gas	420,62	420,62	0,00	236,67	236,63	-0,02	3,10	2,29	-26,08
2. Industrial Processes	1,436,25	1,436,25	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.A. Mineral Products	1,436,25	1,436,25	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.C. Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.D. Other Production	0,00	0,00	0,00						
2.G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	121,13	114,11	-5,79				0,00	0,00	0,00
4. Agriculture	0,00	0,00	0,00	3,853,92	3,853,80	0,00	8,562,20	8,562,81	0,01
4.A. Enteric Fermentation				2,899,47	2,899,43	0,00			
4.B. Manure Management				954,45	954,37	-0,01	465,00	465,78	0,17
4.C. Rice Cultivation				0,00	0,00	0,00			
4.D. Agricultural Soils ⁽²⁾			0,00	0,00	0,00	0,00	8,097,20	8,097,04	0,00
4.E. Prescribed Burning of Savannas				0,00	0,00	0,00	0,00	0,00	0,00
4.F. Field Burning of Agricultural Residues				0,00	0,00	0,00	0,00	0,00	0,00
4.G. Other				0,00	0,00	0,00	0,00	0,00	0,00
5. Land-Use Change and Forestry (net)	-973,00	-964,00	-0,92	0,00	0,00	0,00	0,00	0,00	0,00
5.A. Changes in Forest and Other Woody Biomass Stocks	-973,00	-964,00	-0,92						
5.B. Forest and Grassland Conversion			0,00			0,00			0,00
5.C. Abandonment of Managed Lands			0,00						
5.D. CO ₂ Emissions and Removals from Soil			0,00						
5.E. Other			0,00			0,00			0,00

⁽¹⁾ Estimate the percentage change due to recalculation with respect to the previous submission (Percentage change = 100% x [(LS-PS)/PS], where LS = Latest submission and PS = Previous submission). All cases of recalculation of the estimate of the source/sink category, should be addressed and explained in Table 8(b) of this common reporting format.

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated
(Sheet 2 of 2)

year:

Denmark
1998
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂			CH ₄			N ₂ O		
	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾
	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)
6. Waste	0,00	0,00	0,00	1.163,40	1.163,42	0,00	0,00	0,00	0,00
6.A. Solid Waste Disposal on Land	0,00	0,00	0,00	1.163,40	1.163,42	0,00			
6.B. Wastewater Handling				0,00	0,00	0,00	0,00	0,00	0,00
6.C. Waste Incineration	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
6.D. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00			0,00			0,00
Memo Items:									
International Bunkers	6.679,34	6.595,36	-1,26	3,99	2,96	-25,87	86,80	113,30	30,53
Multilateral Operations	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
CO ₂ Emissions from Biomass	6.177,42	6.265,73	1,43						

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFCs			PFCs			SF ₆		
	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾
	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)
Total Actual Emissions	454,81	503,11	10,62	16,94	14,00	-17,36	69,55	59,44	-14,54
2.C.3. Aluminium Production				0,00	0,00	0,00	16,73	16,73	0,00
2.E. Production of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.F. Consumption of Halocarbons and SF ₆	454,81	503,11	10,62	16,94	14,00	-17,36	52,82	42,71	-19,14
Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential Emissions from Consumption of HFCs/PFCs and SF₆		1.903,46		42,00	42,00		222,51	203,15	

	Previous submission	Latest submission	Difference ⁽¹⁾
	CO ₂ equivalent (Gg)		(%)
	Total CO ₂ Equivalent Emissions with Land-Use Change and Forestry ⁽³⁾	75.170,77	75.502,49
Total CO ₂ Equivalent Emissions without Land-Use Change and Forestry ⁽³⁾	76.143,77	76.466,49	0,42

⁽³⁾ The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Denmark
 1998
 April 11, 2001

Specify the sector and source/sink category ⁽¹⁾ where changes in estimates have occurred:	GHG	RECALCULATION DUE TO			
		CHANGES IN:			Addition/removal/ replacement of source/sink categories
		Methods ⁽²⁾	Emission factors ⁽²⁾	Activity data ⁽²⁾	

⁽¹⁾ Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table (see Table 8(a)).

⁽²⁾ Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in Table 8(a). Include relevant changes in the assumptions and coefficients under the "Methods" column.

Documentation box: Use the documentation box to report the justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory.

TABLE 9 COMPLETENESS
(Sheet 1 of 2)

Denmark
1998
April 11, 2001

Sources and sinks not reported (NE) ⁽¹⁾				
GHG	Sector ⁽²⁾	Source/sink category ⁽²⁾	Explanation	
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				
Sources and sinks reported elsewhere (IE) ⁽³⁾				
GHG	Source/sink category	Allocation as per IPCC Guidelines	Allocation used by the Party	Explanation
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				


⁽¹⁾ Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.

⁽²⁾ Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).

⁽³⁾ Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.

TABLE 9 COMPLETENESS
(Sheet 2 of 2)

Denmark
 1998
 April 11, 2001

Additional GHG emissions reported ⁽⁴⁾						
GHG 	Source category	Emissions (Gg)	Estimated GWP value (100-year horizon)	Emissions CO ₂ equivalent (Gg)	Reference to the data source of GWP value	Explanation

⁽⁴⁾ Parties are encouraged to provide information on emissions of greenhouse gases whose GWP values have not yet been agreed upon by the COP. Please include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

TABLE 11 CHECK LIST OF REPORTED INVENTORY INFORMATION ⁽¹⁾									
Party: Denmark			Year: 1998						
Contact info:	Focal point for national GHG inventories:	Jytte Boll Illerup, National Environmental Research Institute							
	Address:	P.O. Box 358, Department of Policy Analysis, DK-4000 Roskilde							
	Telephone:	0045 46301289	Fax:	0045 46301212	E-mail:	jbi@dmu.dk			
	Main institution preparing the inventory:	National Environmental Research Institute, Ministry of Environment and Energy							
General info:	Date of submission:	11-apr-01							
	Base years:	1990	PFCs, HFCs, SF6:	1995					
	Year covered in the submission:	1990-1999							
	Gases covered:	CO2, CH4, N2O, NOx, CO, NMVOC, SO2, HFCs, PFCs, SF6							
Omissions in geographic coverage:	Denmark								
Tables:	Sectoral report tables:	<input checked="" type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	Sectoral background data tables:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Summary 1 (IPCC Summary tables):		IPCC Table 7A:		<input checked="" type="checkbox"/>	IPCC Table 7B:		<input checked="" type="checkbox"/>	
	Summary 2 (CO ₂ equivalent emissions):				<input checked="" type="checkbox"/>				
	Summary 3 (Methods/Emission factors):				<input checked="" type="checkbox"/>				
	Uncertainty:		IPCC Table 8A:		<input checked="" type="checkbox"/>	National information:		<input checked="" type="checkbox"/>	
	Recalculation tables:				<input checked="" type="checkbox"/>				
	Completeness table:				<input checked="" type="checkbox"/>				
Trend table:				<input checked="" type="checkbox"/>					
CO ₂	Comparison of CO ₂ from fuel combustion:	<input type="checkbox"/>	Worksheet 1-1	Percentage of difference	-100,00			Explanation of differences	<input type="checkbox"/>
Recalculation:	CO ₂	<input type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	CH ₄	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	N ₂ O	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	HFCs, PFCs, SF ₆	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Explanations:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Recalculation tables for all recalculated years:				<input type="checkbox"/>				
	Full CRF for the recalculated base year:				<input type="checkbox"/>				
HFCs, PFCs, SF ₆ :	Disaggregation by species:	<input checked="" type="checkbox"/>	HFCs	PFCs	SF6				
	Production of Halocarbons/SF ₆ :	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
	Consumption of Halocarbons/SF ₆ :		Actual	Potential	Actual	Potential	Actual	Potential	
	Potential/Actual emission ratio:	<input type="checkbox"/>	0,00	<input type="checkbox"/>	0,00	<input type="checkbox"/>	<input type="checkbox"/>	0,00	
	Reference to National Inventory Report and/or national inventory web site:	http://www.dmu.dk/1_english/1_viden/2_Miljoe-tilstand/3_lufv/4_adaei/default.asp							

CRF - Common Reporting Format.
LUCF - Land-Use Change and Forestry.

⁽¹⁾ For each omission, give an explanation for the reasons by inserting a comment to the corresponding cell.

Appendix 1.1

Annual emission inventories 1997

CRF tables for Denmark

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 1 of 2)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Energy	62,885,50	30,67	3,54	251,45	578,50	97,67	110,09
A. Fuel Combustion Activities (Sectoral Approach)	62,373,88	12,86	3,53	248,77	532,89	85,49	107,89
1. Energy Industries	35,275,45	1,46	1,14	88,13	12,33	1,66	75,99
a. Public Electricity and Heat Production	33,002,04	1,37	1,10	81,31	11,82	1,57	74,81
b. Petroleum Refining	1,090,76	0,01	0,02	2,00	0,24	0,01	1,17
c. Manufacture of Solid Fuels and Other Energy Industries	1,182,66	0,08	0,02	4,82	0,27	0,08	0,01
2. Manufacturing Industries and Construction	6,304,63	0,77	0,40	29,15	14,81	3,98	13,19
a. Iron and Steel	0,00	0,00	0,00				
b. Non-Ferrous Metals	0,00	0,00	0,00				
c. Chemicals	0,00	0,00	0,00				
d. Pulp, Paper and Print	0,00	0,00	0,00				
e. Food Processing, Beverages and Tobacco	0,00	0,00	0,00				
f. Other (please specify) <input type="checkbox"/>	6,304,63	0,77	0,40	29,15	14,81	3,98	13,19
Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.				29,15	14,81	3,98	13,19
3. Transport	12,098,06	3,12	1,30	93,90	332,27	61,42	6,09
a. Civil Aviation	192,89	0,01	0,01	0,93	1,10	0,19	0,01
b. Road Transportation	11,049,06	3,03	1,24	80,65	321,52	56,01	1,94
c. Railways	292,93	0,02	0,01	2,74	0,42	0,17	0,09
d. Navigation	563,17	0,06	0,04	9,59	9,23	5,05	4,05
e. Other Transportation (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 2 of 2)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
4. Other Sectors	8,524,91	7,50	0,68	36,57	172,85	18,29	12,58
a. Commercial/Institutional	1,110,54	0,33	0,03	1,25	6,07	0,42	1,83
b. Residential	5,013,73	6,05	0,16	4,81	145,44	11,97	5,11
c. Agriculture/Forestry/Fisheries	2,400,64	1,12	0,49	30,51	21,33	5,89	5,64
5. Other (please specify) ⁽¹⁾	170,83	0,01	0,01	1,02	0,63	0,15	0,04
a. Stationary	0,00	0,00	0,00	0,00	0,00	0,00	0,00
b. Mobile	170,83	0,01	0,01	1,02	0,63	0,15	0,04
Emissions from military combustion of fuels.							
	170,83	0,01	0,01	1,02	0,63	0,15	0,04
B. Fugitive Emissions from Fuels	511,62	17,81	0,01	2,68	45,61	12,18	2,20
1. Solid Fuels	0,00	6,27	0,00	0,00	43,87	0,00	0,00
a. Coal Mining	0,00	0,00					
b. Solid Fuel Transformation	0,00	0,00					
c. Other (please specify)	0,00	6,27	0,00	0,00	43,87	0,00	0,00
					43,87		
2. Oil and Natural Gas	511,62	11,54	0,01	2,68	1,75	12,18	2,20
a. Oil	0,00	0,05				7,76	1,98
b. Natural Gas	0,00	10,08				3,66	0,00
c. Venting and Flaring	511,62	1,41	0,01	2,68	1,75	0,76	0,22
Venting	0,00	0,00					0,14
Flaring	511,62	1,41	0,01	2,68	1,75	0,76	0,08
d. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items: ⁽²⁾							
International Bunkers	6,448,62	0,14	0,36	129,18	12,27	3,63	66,05
Aviation	2,029,51	0,04	0,08	8,17	1,98	0,39	0,13
Marine	4,419,11	0,10	0,28	121,01	10,29	3,24	65,92
Multilateral Operations	0,00	0,00	0,00				
CO₂ Emissions from Biomass	6,287,57						

⁽¹⁾ Include military fuel use under this category.

⁽²⁾ Please do not include in energy totals.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 1 of 4)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	(¹)	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A. Fuel Combustion	883.423,63	NCV				62.373,88	12,86	3,53
Liquid Fuels	374.534,33	NCV	70,62	10,77	6,12	26.448,35	4,03	2,29
Solid Fuels	279.246,14	NCV	95,00	2,28	3,00	26.528,38	0,64	0,84
Gaseous Fuels	164.642,21	NCV	56,89	4,55	1,00	9.365,76	0,75	0,16
Biomass	64.570,32	NCV	97,38	114,50	3,58 ⁽³⁾	6.287,57	7,39	0,23
Other Fuels	430,64	NCV	72,90	107,03	0,51	31,39	0,05	0,00
I.A.1. Energy Industries	479.867,29	NCV				35.275,45	1,46	1,14
Liquid Fuels	96.198,66	NCV	59,00	1,70	1,28	5.675,31	0,16	0,12
Solid Fuels	263.208,00	NCV	95,00	1,51	3,00	25.004,76	0,40	0,79
Gaseous Fuels	80.765,88	NCV	56,90	4,58	1,00	4.595,39	0,37	0,08
Biomass	39.694,75	NCV	96,05	13,35	3,82 ⁽³⁾	3.812,74	0,53	0,15
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Public Electricity and Heat Production	440.545,92	NCV				33.002,04	1,37	1,10
Liquid Fuels	77.645,18	NCV	59,03	1,95	1,32	4.583,58	0,15	0,10
Solid Fuels	263.208,00	NCV	95,00	1,51	3,00	25.004,76	0,40	0,79
Gaseous Fuels	59.998,00	NCV	56,90	4,78	1,00	3.413,69	0,29	0,06
Biomass	39.694,75	NCV	96,05	13,35	3,82 ⁽³⁾	3.812,74	0,53	0,15
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Petroleum Refining	18.539,58	NCV				1.090,76	0,01	0,02
Liquid Fuels	18.539,58	NCV	58,83	0,66	1,09	1.090,76	0,01	0,02
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Manufacture of Solid Fuels and Other Energy Industries	20.781,78	NCV				1.182,66	0,08	0,02
Liquid Fuels	13,90	NCV	69,41	1,22	1,51	0,96	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	20.767,88	NCV	56,90	4,00	1,00	1.181,69	0,08	0,02
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

(1)

(2) Accurate estimation of CH₄ and N₂O emissions depends on combustion conditions, technology, and emission control policy, as well as fuel characteristics. Therefore, caution should be used when comparing the implied emission factors.

(3) Carbon dioxide emissions from biomass are reported under Memo Items. The content of the cells is not included in the totals.

Note: For the coverage of fuel categories, please refer to the IPCC Guidelines (Volume 1. Reporting Instructions - Common Reporting Framework, section 1.2, p. 1.19). If some derived gases (e.g. gas work gas, coke oven gas, blast gas, oxygen steel furnace gas, etc.) are considered, Parties should provide information on the allocation of these derived gases under the above fuel categories (liquid, solid, gaseous, biomass, other fuels) in the documentation box at the end of sheet 4 of this table.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 2 of 4)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.2 Manufacturing Industries and Construction	93,555,52	NCV				6,304,63	0,77	0,40
Liquid Fuels	33,500,40	NCV	78,86	6,53	8,73	2,641,79	0,22	0,29
Solid Fuels	14,589,95	NCV	95,00	15,00	3,00	1,386,05	0,22	0,04
Gaseous Fuels	40,013,92	NCV	56,90	4,00	1,00	2,276,79	0,16	0,04
Biomass	5,451,25	NCV	100,82	31,27	3,92 ⁽³⁾	549,62	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Iron and Steel	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Non-Ferrous Metals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Chemicals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
d. Pulp, Paper and Print	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
e. Food Processing, Beverages and Tobacco	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
f. Other (please specify)	93,555,52	NCV				6,304,63	0,77	0,40
Liquid Fuels	33,500,40	NCV	78,86	6,53	8,73	2,641,79	0,22	0,29
Solid Fuels	14,589,95	NCV	95,00	15,00	3,00	1,386,05	0,22	0,04
Gaseous Fuels	40,013,92	NCV	56,90	4,00	1,00	2,276,79	0,16	0,04
Biomass	5,451,25	NCV	100,82	31,27	3,92 ⁽³⁾	549,62	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 3 of 4)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.3 Transport	164.648,56	NCV				12.098,06	3,12	1,30
Gasoline	86.693,27	NCV	72,97	30,58	11,47	6.326,05	2,65	0,99
Diesel	77.524,65	NCV	74,05	5,40	3,93	5.740,62	0,42	0,30
Natural Gas	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾	0,00	0,00	0,00
Other Fuels	430,64	NCV	72,90	107,03	0,51	31,39	0,05	0,00
a. Civil Aviation	2.677,45	NCV				192,89	0,01	0,01
Aviation Gasoline	115,45	NCV	73,00	21,90	2,00	8,43	0,00	0,00
Jet Kerosene	2.562,00	NCV	72,00	1,73	3,90	184,46	0,00	0,01
b. Road Transportation	150.447,67	NCV				11.049,06	3,03	1,24
Gasoline	84.015,82	NCV	73,00	31,48	11,72	6.133,16	2,64	0,98
Diesel Oil	66.426,36	NCV	74,00	5,82	3,84	4.915,55	0,39	0,26
Natural Gas	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels (please specify)	5,49	NCV				0,36	0,00	0,00
LPG		NCV	0,00	0,00	0,00			
	5,49	NCV	65,00	24,23	0,00	0,36	0,00	0,00
c. Railways	3.958,60	NCV				292,93	0,02	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Liquid Fuels	3.958,60	NCV	74,00	4,78	2,05	292,93	0,02	0,01
Other Fuels (please specify)	0,00	NCV				0,00	0,00	0,00
	0,00	NCV	0,00	0,00	0,00			
d. Navigation	7.564,84	NCV				563,17	0,06	0,04
Coal	0,00	NCV	0,00	0,00	0,00			
Residual Oil	950,48	NCV	78,00	1,76	4,89	74,14	0,00	0,00
Gas/Diesel Oil	6.189,21	NCV	74,00	1,81	5,89	458,00	0,01	0,04
Other Fuels (please specify)	425,15	NCV				31,04	0,05	0,00
Kerosene, Gasoline, LPG		NCV	0,00	0,00	0,00			
	425,15	NCV	73,00	108,10	0,52	31,04	0,05	0,00
e. Other Transportation	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 4 of 4)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.4 Other Sectors	145,352,27	NCV				8,524,91	7,50	0,68
Liquid Fuels	80,617,34	NCV	73,11	7,07	7,10	5,893,76	0,57	0,57
Solid Fuels	1,448,19	NCV	95,00	15,00	3,00	137,58	0,02	0,00
Gaseous Fuels	43,862,42	NCV	56,85	5,00	1,00	2,493,58	0,22	0,04
Biomass	19,424,32	NCV	99,11	344,55	2,97 ⁽³⁾	1,925,21	6,69	0,06
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Commercial/Institutional	21,478,65	NCV				1,110,54	0,33	0,03
Liquid Fuels	9,006,34	NCV	64,55	5,20	1,63	581,34	0,05	0,01
Solid Fuels	43,37	NCV	95,00	15,01	3,00	4,12	0,00	0,00
Gaseous Fuels	9,236,32	NCV	56,85	5,00	1,00	525,08	0,05	0,01
Biomass	3,192,62	NCV	85,75	74,21	2,88 ⁽³⁾	273,78	0,24	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Residential	88,130,30	NCV				5,013,73	6,05	0,16
Liquid Fuels	45,796,38	NCV	73,86	8,95	1,96	3,382,66	0,41	0,09
Solid Fuels	161,65	NCV	95,00	15,00	3,00	15,36	0,00	0,00
Gaseous Fuels	28,420,65	NCV	56,85	5,00	1,00	1,615,71	0,14	0,03
Biomass	13,751,62	NCV	101,97	399,71	3,00 ⁽³⁾	1,402,21	5,50	0,04
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Agriculture/Forestry/Fisheries	35,743,32	NCV				2,400,64	1,12	0,49
Liquid Fuels	25,814,63	NCV	74,75	4,38	18,13	1,929,76	0,11	0,47
Solid Fuels	1,243,16	NCV	95,00	15,00	3,00	118,10	0,02	0,00
Gaseous Fuels	6,205,44	NCV	56,85	5,00	1,00	352,78	0,03	0,01
Biomass	2,480,09	NCV	100,49	386,71	2,93 ⁽³⁾	249,21	0,96	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00			
I.A.5 Other (Not elsewhere specified)⁽⁴⁾	0,00	NCV				170,83	0,01	0,01
Liquid Fuels	0,00	NCV	0,00	0,00	0,00	170,83	0,01	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

⁽⁴⁾ Include military fuel use under this category.

Documentation Box:

I.A.2f note: Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.

TABLE 1.A(b) SECTORAL BACKGROUND DATA FOR ENERGY
CO₂ from Fuel Combustion Activities - Reference Approach (IPCC Worksheet 1-1)
 (Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

FUEL TYPES			Unit	Production	Imports	Exports	International bunkers	Stock change	Apparent consumption	Conversion factor ⁽¹⁾ (TJ/Unit)	⁽¹⁾	Apparent consumption (TJ)	Carbon emission factor (t C/TJ)	Carbon content (Gg C)	Carbon stored (Gg C)	Net carbon emissions (Gg C)	Fraction of carbon oxidized	Actual CO ₂ emissions (Gg CO ₂)	
Liquid Fossil	Primary Fuels	Crude Oil							0,00		NCV	0,00		0,00		0,00		0,00	
		Orimulsion							0,00		NCV	0,00		0,00		0,00		0,00	
		Natural Gas Liquids							0,00		NCV	0,00		0,00		0,00		0,00	
	Secondary Fuels	Gasoline								0,00		NCV	0,00		0,00		0,00		0,00
		Jet Kerosene								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Other Kerosene								0,00		NCV	0,00		0,00		0,00		0,00
		Shale Oil								0,00		NCV	0,00		0,00		0,00		0,00
		Gas / Diesel Oil								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Residual Fuel Oil								0,00		NCV	0,00		0,00		0,00		0,00
		LPG								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Ethane								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Naphtha								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Bitumen								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Lubricants								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Petroleum Coke								0,00		NCV	0,00		0,00		0,00		0,00
		Refinery Feedstocks								0,00		NCV	0,00		0,00		0,00		0,00
		Other Oil								0,00		NCV	0,00		0,00		0,00		0,00
Liquid Fossil Totals												0,00		0,00	0,00	0,00		0,00	
Solid Fossil	Primary Fuels	Anthracite ⁽²⁾							0,00		NCV	0,00		0,00		0,00		0,00	
		Coking Coal							0,00		NCV	0,00		0,00	0,00	0,00		0,00	
		Other Bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Sub-bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Lignite							0,00		NCV	0,00		0,00		0,00		0,00	
		Oil Shale							0,00		NCV	0,00		0,00		0,00		0,00	
	Peat							0,00		NCV	0,00		0,00		0,00		0,00		
	Secondary Fuels	BKB & Patent Fuel							0,00		NCV	0,00		0,00		0,00		0,00	
		Coke Oven/Gas Coke							0,00		NCV	0,00		0,00		0,00		0,00	
Solid Fuel Totals												0,00		0,00	0,00	0,00		0,00	
Gaseous Fossil	Natural Gas (Dry)							0,00		NCV	0,00		0,00	0,00	0,00	0,00		0,00	
Total												0,00		0,00	0,00	0,00		0,00	
Biomass total												0,00		0,00	0,00	0,00		0,00	
	Solid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Liquid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Gas Biomass								0,00		NCV	0,00		0,00		0,00		0,00	

⁽¹⁾ To convert quantities expressed in natural units to energy units, use net calorific values (NCV). If gross calorific values (GCV) are used in this table, please indicate this by replacing "NCV" with "GCV" in this column.

⁽²⁾ If Anthracite is not separately available, include with Other Bituminous Coal.

TABLE 1.A(c) COMPARISON OF CO₂ EMISSIONS FROM FUEL COMBUSTION
(Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

FUEL TYPES	Reference approach		National approach ⁽¹⁾		Difference ⁽²⁾	
	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (%)	CO ₂ emissions (%)
Liquid Fuels (excluding international bunkers)	0,00	0,00	374,53	26.448,35	-100,00	-100,00
Solid Fuels (excluding international bunkers)	0,00	0,00	279,25	26.528,38	-100,00	-100,00
Gaseous Fuels	0,00	0,00	164,64	9.365,76	-100,00	-100,00
Other ⁽³⁾			0,43	31,39	-100,00	-100,00
<i>Total</i> ⁽³⁾	0,00	0,00	818,85	62.373,88	-100,00	-100,00

⁽¹⁾ "National approach" is used to indicate the approach (if different from the Reference approach) followed by the Party to estimate its CO₂ emissions from fuel combustion reported in the national GHG inventory.

⁽²⁾ Difference of the Reference approach over the National approach (i.e. difference = 100% x ((RA-NA)/NA), where NA = National approach and RA = Reference approach).

⁽³⁾ Emissions from biomass are not included.

Note: In addition to estimating CO₂ emissions from fuel combustion by sector, Parties should also estimate these emissions using the IPCC Reference approach, as found in the IPCC Guidelines, Worksheet 1-1(Volume 2. Workbook). The Reference approach is to assist in verifying the sectoral data. Parties should also complete the above tables to compare the alternative estimates, and if the emission estimates lie more than 2 percent apart, should explain the source of this difference in the documentation box provided.

Documentation Box:

TABLE 1.A(d) SECTORAL BACKGROUND DATA FOR ENERGY
Feedstocks and Non-Energy Use of Fuels
(Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

FUEL TYPE ⁽¹⁾	ACTIVITY DATA AND RELATED INFORMATION		IMPLIED EMISSION FACTOR	ESTIMATE
	Fuel quantity (TJ)	Fraction of carbon stored	Carbon emission factor (t C/TJ)	of carbon stored in non energy use of fuels (Gg C)
Naphtha ⁽²⁾			0,00	
Lubricants			0,00	
Bitumen			0,00	
Coal Oils and Tars (from Coking Coal)			0,00	
Natural Gas ⁽²⁾			0,00	
Gas/Diesel Oil ⁽²⁾			0,00	
LPG ⁽²⁾			0,00	
Butane ⁽²⁾			0,00	
Ethane ⁽²⁾			0,00	
Other (please specify) <input type="text"/>				
			0,00	

Additional information ^(a)

CO ₂ not emitted (Gg CO ₂)	Subtracted from energy sector (specify source category)
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	

⁽¹⁾ Where fuels are used in different industries, please enter in different rows.
⁽²⁾ Enter these fuels when they are used as feedstocks.

^(a) The fuel lines continue from the table to the left.

Note: The table is consistent with the IPCC Guidelines. Parties that take into account the emissions associated with the use and disposal of these feedstocks could continue to use their methodology, and provide explanation notes in the documentation box below.

Documentation box: A fraction of energy carriers is stored in such products as plastics or asphalt. The non-stored fraction of the carbon in the energy carrier or product is oxidized, resulting in carbon dioxide emissions, either during the use of the energy carriers in the industrial production (e.g. fertilizer production), or during the use of the products (e.g. solvents, lubricants), or in both (e.g. monomers). To report associated emissions use the above table, filling an extra "Additional information" table, as shown below.	
Associated CO ₂ emissions (Gg)	Allocated under <input type="text"/> ^(a) e.g. Industrial Processes, Waste Incineration, etc. (Specify source category) ^(a)

TABLE 1.B.1 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Solid Fuels
(Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTOR		EMISSIONS	
	Amount of fuel produced ⁽¹⁾	CH ₄	CO ₂	CH ₄	CO ₂
	(Mt)	(kg/t)	(kg/t)	(Gg)	(Gg)
1. B. 1. a. Coal Mining and Handling	0,00			0,00	0,00
i. Underground Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
ii. Surface Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
1. B. 1. b. Solid Fuel Transformation	0,00	0,00	0,00		
1. B. 1. c. Other (please specify) ⁽³⁾ <input type="checkbox"/>				6,27	0,00
	12,94	0,48	0,00	6,27	

Additional information ^(a)

Description	Value
Amount of CH ₄ drained (recovered) and utilized or flared (Gg)	
Number of active underground mines	
Number of mines with drainage (recovery) systems	

^(a) For underground mines.

⁽¹⁾ Use the documentation box to specify whether the fuel amount is based on the run-of-mine (ROM) production or on the saleable production.

⁽²⁾ Emissions both for Mining Activities and Post-Mining Activities are calculated with the activity data in lines Underground Mines and Surface Mines respectively.

⁽³⁾ Please click on the button to enter any other solid fuel related activities resulting in fugitive emissions, such as emissions from abandoned mines and waste piles.

Note: There are no clear references to the coverage of 1.B.1.b. and 1.B.1.c. in the IPCC Guidelines. Make sure that the emissions entered here are not reported elsewhere. If they are reported under another source category, indicate this (IE) and make a reference in Table 9 (completeness) and/or in the documentation box.

Documentation box:

TABLE 1.B.2 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Oil and Natural Gas
(Sheet 1 of 1)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA			IMPLIED EMISSION FACTORS			EMISSIONS		
	Description ⁽¹⁾	Unit	Value	CO ₂ (kg/unit) ⁽²⁾	CH ₄ (kg/unit) ⁽²⁾	N ₂ O (kg/unit) ⁽²⁾	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
1. B. 2. a. Oil ⁽³⁾							0,00	0,05	
i. Exploration	(e.g. number of wells drilled)		0,00	0,00	0,00				
ii. Production ⁽⁴⁾	(e.g. PJ of oil produced)		0,00	0,00	0,00				
iii. Transport	(e.g. PJ oil loaded in tankers)		0,00	0,00	0,00				
iv. Refining / Storage	(e.g. PJ oil refined)		0,00	0,00	0,00				
v. Distribution of oil products	(e.g. PJ oil refined)	Mg product	2.007.000	0,00	0,00			0,00	
vi. Other		Mg Crude	7.910.000	0,00	0,01			0,05	
1. B. 2. b. Natural Gas							0,00	10,08	
Exploration				0,00	0,00				
i. Production ⁽⁴⁾ / Processing	(e.g. PJ gas produced)	1000 m3	2.500.000	0,00	0,65			1,63	
ii. Transmission	(e.g. PJ gas consumed)	1000 m3	3.800.000	0,00	2,22			8,45	
Distribution	(e.g. PJ gas consumed)			0,00	0,00				
iii. Other Leakage	(e.g. PJ gas consumed)			0,00	0,00				
at industrial plants and power stations				0,00	0,00				
in residential and commercial sectors				0,00	0,00				
1. B. 2. c. Venting ⁽⁵⁾							0,00	0,00	
i. Oil	(e.g. PJ oil produced)			0,00	0,00				
ii. Gas	(e.g. PJ gas produced)			0,00	0,00				
iii. Combined				0,00	0,00				
Flaring							511,62	1,41	0,01
i. Oil	(e.g. PJ gas consumption)	GJ	266.500	56,90	0,00	0,00	15,16		0,00
ii. Gas	(e.g. PJ gas consumption)	GJ	8.725.000	56,90	0,16	0,00	496,45	1,41	0,01
iii. Combined				0,00	0,00	0,00			
1.B.2.d. Other (please specify) ⁽⁶⁾				0,00	0,00	0,00	0,00	0,00	0,00

Additional information

Description	Value	Unit
Pipelines length (km)		
Number of oil wells		
Number of gas wells		
Gas throughput ^(a)		
Oil throughput ^(a)		
Other relevant information (specify)		

^(a) In the context of oil and gas production, throughput is a measure of the total production, such as barrels per day of oil, or cubic meters of gas per year. Specify the units of the reported value in the unit column. Take into account that these values should be consistent with the activity data reported under the production rows of the main table.

⁽¹⁾ Specify the activity data used and fill in the activity data description column, as given in the examples in brackets. Specify the unit of the activity data in the unit column. Use the document box to specify whether the fuel amount is based on the raw material production or on the saleable production. Note cases where more than one variable is used as activity data.

⁽²⁾ The unit of the implied emission factor will depend on the units of the activity data used, and is therefore not specified in this column. The unit of the implied emission factor for each activity will be kg/unit of activity data.

⁽³⁾ Use the category also to cover emissions from combined oil and gas production fields. Natural gas processing and distribution from these fields should be included under 1.B.2.b.ii and 1.B.2.b.iii, respectively.

⁽⁴⁾ If using default emission factors these categories will include emissions from production other than venting and flaring.

⁽⁵⁾ If using default emission factors, emissions from Venting and Flaring from all oil and gas production should be accounted for here. Parties using the IPCC software could report those emissions together, indicating so in the documentation box.

⁽⁶⁾ For example, fugitive CO₂ emissions from production of geothermal power could be reported here.

Documentation box:

TABLE 1.C SECTORAL BACKGROUND DATA FOR ENERGY
International Bunkers and Multilateral Operations
(Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS			EMISSIONS		
	Consumption (TJ)	CO ₂ (t/TJ)	CH ₄ (kg/TJ)	N ₂ O (kg/TJ)	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Marine Bunkers	57.954,00				4.419,11	0,10	0,28
Gasoline	0,00	0,00	0,00	0,00			
Gas/Diesel Oil	25.325,00	74,00	1,69	4,68	1.874,05	0,04	0,12
Residual Fuel Oil	32.629,00	78,00	1,76	4,89	2.545,06	0,06	0,16
Lubricants	0,00	0,00	0,00	0,00			
Coal	0,00	0,00	0,00	0,00			
Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
		0,00	0,00	0,00			
Aviation Bunkers	28.187,49				2.029,51	0,04	0,08
Jet Kerosene	28.176,77	72,00	1,41	2,94	2.028,73	0,04	0,08
Gasoline	10,72	73,00	21,93	1,96	0,78	0,00	0,00
Multilateral Operations ⁽¹⁾							

Additional information

Fuel consumption	Allocation ^(a) (percent)	
	Domestic	International
Marine	11,55	88,45
Aviation	8,67	91,33

^(a) For calculating the allocation of fuel consumption, use the sums of fuel consumption by domestic navigation and aviation (Table 1.A(a)) and by international bunkers (Table 1.C).

⁽¹⁾ Parties may choose to report or not report the activity data and emission factors for multilateral operation consistent with the principle of confidentiality stated in the UNFCCC reporting guidelines on inventories. In any case, Parties should report the emissions from multilateral operations, where available, under the Memo Items section of the Summary tables and in the Sectoral report table for energy.

Note: In accordance with the IPCC Guidelines, international aviation and marine bunker fuel emissions from fuel sold to ships or aircraft engaged in international transport should be excluded from national totals and reported separately for informational purposes only.

Documentation box: Please explain how the consumption of international marine and aviation bunkers fuels was estimated and separated from the domestic consumption.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 1 of 2)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
Total Industrial Processes	1,539,32	0,00	0,00	1,383,13	343,57	56,00	3,50	0,01	0,00	0,57	0,00	0,57	0,00
A. Mineral Products	1,539,32	0,00	0,00							0,00	0,00	0,00	0,00
1. Cement Production	1,425,55												
2. Lime Production	113,77												
3. Limestone and Dolomite Use	0,00												
4. Soda Ash Production and Use	0,00												
5. Asphalt Roofing	0,00												
6. Road Paving with Asphalt	0,00												
7. Other (please specify)	0,00	0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,57	0,00	0,00	0,00
1. Ammonia Production	0,00	0,00											
2. Nitric Acid Production			0,00							0,57			
3. Adipic Acid Production			0,00										
4. Carbide Production	0,00	0,00											
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Iron and Steel Production	0,00	0,00											
2. Ferroalloys Production	0,00	0,00											
3. Aluminium Production	0,00	0,00					0,00						
4. SF ₆ Used in Aluminium and Magnesium Foundries									0,00				
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

methods exist for both tiers.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 2 of 2)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
D. Other Production	0,00									0,00	0,00	0,57	0,00
1. Pulp and Paper													
2. Food and Drink ⁽²⁾	0,00											0,57	
E. Production of Halocarbons and SF₆					0,00		0,00		0,00				
1. By-product Emissions					0,00		0,00		0,00				
Production of HCFC-22					0,00								
Other					0,00		0,00		0,00				
2. Fugitive Emissions					0,00		0,00		0,00				
3. Other (please specify)					0,00		0,00		0,00				
F. Consumption of Halocarbons and SF₆				1.383,13	343,57	56,00	3,50	0,01	0,00				
1. Refrigeration and Air Conditioning Equipment				928,63	200,58	56,00	3,50		0,00				
2. Foam Blowing				454,50	142,99		0,00		0,00				
3. Fire Extinguishers					0,00		0,00		0,00				
4. Aerosols/ Metered Dose Inhalers					0,00		0,00		0,00				
5. Solvents					0,00		0,00		0,00				
6. Semiconductor Manufacture					0,00		0,00		0,00				
7. Electrical Equipment								0,00	0,00				
8. Other (please specify)				0,00	0,00	0,00	0,00	0,01	0,00				
Emissions of SF ₆ from (1) window plate production, (2) research laboratories and (3) running shoes.													
								0,01	0,00				
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	0,00												

⁽²⁾ CO₂ from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO₂ emissions of non-biogenic origin should be reported.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
 (Sheet 1 of 2)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
A. Mineral Products						1,539,32		0,00		0,00	
1. Cement Production	<i>(e.g. cement or clinker production)</i>	2.689,72	0,53			1.425,55					
2. Lime Production		522,02	0,22			113,77					
3. Limestone and Dolomite Use		0,00	0,00								
4. Soda Ash						0,00					
Soda Ash Production		0,00	0,00								
Soda Ash Use			0,00								
5. Asphalt Roofing		0,00	0,00								
6. Road Paving with Asphalt		0,00	0,00								
7. Other <i>(please specify)</i>						0,00		0,00		0,00	
Glass Production			0,00								
		0,00	0,00	0,00	0,00						
B. Chemical Industry						0,00		0,00		0,00	
1. Ammonia Production ⁽³⁾		0,00	0,00	0,00	0,00						
2. Nitric Acid Production		0,00			0,00						
3. Adipic Acid Production		0,00			0,00						
4. Carbide Production			0,00	0,00		0,00		0,00			
Silicon Carbide		0,00	0,00	0,00							
Calcium Carbide			0,00	0,00							
5. Other <i>(please specify)</i>						0,00		0,00		0,00	
Carbon Black				0,00							
Ethylene			0,00	0,00	0,00						
Dichloroethylene				0,00							
Styrene				0,00							
Methanol				0,00							
		0,00	0,00	0,00	0,00						

⁽¹⁾ Where the IPCC Guidelines provide options for activity data, e.g. cement or clinker for estimating the emissions from Cement Production, specify the activity data used (as shown in the example in brackets) in order to make the choice of emission factor more transparent and to facilitate comparisons of implied emission factors.

⁽²⁾ Enter cases in which the final emissions are reduced with the quantities of emission recovery, oxidation, destruction, transformation. Adjusted emissions are reported and the quantitative information on recovery, oxidation, destruction, and transformation should be given in the additional columns provided.

⁽³⁾ To avoid double counting make offsetting deductions from fuel consumption (e.g. natural gas) in Ammonia Production, first for feedstock use of the fuel, and then to a sequestering use of the feedstock.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
(Sheet 2 of 2)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption Quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
C. Metal Production⁽⁴⁾						0,00		0,00		0,00	
1. Iron and Steel Production		0,00	0,00			0,00		0,00			
Steel		0,00	0,00								
Pig Iron		0,00	0,00	0,00							
Sinter		0,00	0,00	0,00							
Coke		0,00	0,00	0,00							
Other (please specify) <input type="checkbox"/>						0,00		0,00			
		0,00	0,00	0,00	0,00						
2. Ferroalloys Production		0,00	0,00	0,00							
3. Aluminium Production		0,00	0,00	0,00							
4. SF ₆ Used in Aluminium and Magnesium Foundries											
5. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		4,53	0,00	0,00	0,00						
D. Other Production						0,00					
1. Pulp and Paper											
2. Food and Drink			0,00								
G. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00	0,00					

⁽⁴⁾ More specific information (e.g. data on virgin and recycled steel production) could be provided in the documentation box.

Note: In case of confidentiality of the activity data information, the entries should provide aggregate figures but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 1 of 2)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mcc	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs ⁽¹⁾	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs ⁽¹⁾	SF ₆
	(t) ⁽²⁾																						
Total Actual Emissions of Halocarbons (by chemical) and SF₆	0,00	2,99	0,00	0,00	24,81	0,00	145,72	15,27	0,00	21,21	0,00	0,00	0,00		0,00	0,00	0,50	0,00	0,00	0,00	0,00		3,06
C. Metal Production															0,00	0,00							0,60
Aluminium Production															0,00	0,00							
SF ₆ Used in Aluminium Foundries																							0,00
SF ₆ Used in Magnesium Foundries																							0,60
E. Production of Halocarbons and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
1. By-product Emissions	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production of HCFC-22	0,00																						
Other																							
2. Fugitive Emissions																							
3. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
F(a). Consumption of Halocarbons and SF₆ (actual emissions - Tier 2)	0,00	2,99	0,00	0,00	24,81	0,00	145,72	15,27	0,00	21,21	0,00	0,00	0,00		0,00	0,00	0,50	0,00	0,00	0,00	0,00		2,46
1. Refrigeration and Air Conditioning Equipment		2,99			24,81		37,35	0,27		21,21							0,50						
2. Foam Blowing							108,37	15,00															
3. Fire Extinguishers																							
4. Aerosols/Metered Dose Inhalers																							
5. Solvents																							
6. Semiconductor Manufacture																							
7. Electrical Equipment																							0,38
8. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		2,08
Emissions of SF ₆ from (1) window plate production, (2) research laboratories and (3) running shoes.																							2,08
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00

⁽¹⁾ Although shaded, the columns with HFCs and PFCs totals on sheet 1 are kept for consistency with sheet 2 of the table.

⁽²⁾ Note that the units used in this table differ from those used in the rest of the Sectoral report tables, i.e. [t] instead of [Gg].

Note: Where information is confidential the entries should provide aggregate figures but there should be a note indicating this in the relevant documentation boxes of the Sectoral background data tables or as a comment to the corresponding cell. Gases with GWP not yet agreed upon by the COP, should be reported in Table 9 (Completeness), sheet 2.

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 2 of 2)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ea	Total HFCs	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs	SF ₆
	(t) ⁽²⁾																						
F(p). Total Potential Emissions of Halocarbons (by chemical) and SF₆ ⁽³⁾	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production ⁽⁴⁾																							
Import:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Export:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Destroyed amount																							
GWP values used	11700	650	150	1300	2800	1000	1300	140	300	3800	2900	6300	560		6500	9200	7000	7000	8700	7500	7400		23900
Total Actual Emissions ⁽⁶⁾ (Gg CO ₂ eq.)	0,00	1,94	0,00	0,00	69,46	0,00	189,44	2,14	0,00	80,59	0,00	0,00	0,00	343,57	0,00	0,00	3,50	0,00	0,00	0,00	0,00	3,50	73,09
C. Metal Production															0,00	0,00						0,00	14,34
E. Production of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F(a). Consumption of Halocarbons and SF ₆	0,00	1,94	0,00	0,00	69,46	0,00	189,44	2,14	0,00	80,59	0,00	0,00	0,00	343,57	0,00	0,00	3,50	0,00	0,00	0,00	0,00	3,50	58,75
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Ratio of Potential/Actual Emissions from Consumption of Halocarbons and SF₆																							
Actual emissions - F(a) (Gg CO ₂ eq.)	0,00	1,94	0,00	0,00	69,46	0,00	189,44	2,14	0,00	80,59	0,00	0,00	0,00	343,57	0,00	0,00	3,50	0,00	0,00	0,00	0,00	3,50	58,75
Potential emissions - F(p) (7) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential/Actual emissions ratio	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽³⁾ manner corresponding to the subsectors for actual emissions defined on sheet 1 of this table, these should be reported in an annex to sheet 2, using the format of sheet 1, sector F(a). Use Summary 3 of this common reporting format to indicate whether Tier 1a or Tier 1b was used.

⁽⁴⁾ Production refers to production of new chemicals. Recycled substances could be included here, but it should be ensured that double counting of emissions is avoided. Relevant explanations should be provided as a comment to the corresponding cell.

⁽⁵⁾ Relevant just for Tier 1b.

⁽⁶⁾ Sums of the actual emissions of each chemical of halocarbons and SF₆ from the source categories given in sheet 1 of the table multiplied by the corresponding GWP values.

⁽⁷⁾ Potential emissions of each chemical of halocarbons and SF₆ taken from row F(p) multiplied by the corresponding GWP values.

Note: As stated in the revised UNFCCC guidelines, Parties should report actual emissions of HFCs, PFCs and SF₆, where data are available, providing disaggregated data by chemical and source category in units of mass and in CO₂ equivalents. Parties reporting actual emissions should also report potential emissions for the sources where the concept of potential emissions applies, for reasons of transparency and comparability.

TABLE 2(II). C, E SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Metal Production; Production of Halocarbons and SF₆
(Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾ (kg/t)	EMISSIONS ⁽²⁾	
	Description ⁽¹⁾	(t)		(t)	⁽³⁾
C. PFCs and SF₆ from Metal Production					
PFCs from Aluminium Production					
CF ₄			0,00		
C ₂ F ₆			0,00		
SF ₆				0,60	
Aluminium Foundries	(SF ₆ consumption)		0,00		
Magnesium Foundries			0,00	0,60	
E. Production of Halocarbons and SF₆					
1. By-product Emissions					
Production of HCFC-22					
HFC-23			0,00		
Other (specify chemical) <input type="checkbox"/>			0,00		
2. Fugitive Emissions					
HFCs (specify chemical) <input type="checkbox"/>			0,00		
PFCs (specify chemical) <input type="checkbox"/>			0,00		
SF ₆			0,00		
3. Other (please specify) <input type="checkbox"/>			0,00		

⁽¹⁾ Specify the activity data used as shown in the examples within brackets. Where applying Tier 1b (for C), Tier 2 (for E) and country specific methods, specify any other relevant activity data used in the documentation box below.

⁽²⁾ Emissions and implied emission factors are after recovery.









⁽³⁾ Enter cases in which the final emissions are reported after subtracting the quantities of emission recovery, oxidation, destruction, transformation. Enter these quantities in the specified column and use the documentation box for further explanations.

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 1 of 2)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
1 Refrigeration									
Air Conditioning Equipment									
Domestic Refrigeration (<i>Specify chemical</i>) ⁽²⁾ 									
(e.g. HFC-32)									
(e.g. HFC-125)									
(e.g. HFC-134a)									
(e.g. HFC-152a)									
(e.g. HFC-143a)									
Commercial Refrigeration 									
Transport Refrigeration 									
Industrial Refrigeration 									
Stationary Air-Conditioning 									
Mobile Air-Conditioning 									
2 Foam Blowing									
Hard Foam 									
Soft Foam 									

⁽¹⁾ Parties should use the documentation box to provide information on the amount of the chemical recovered (recovery efficiency) and other relevant information used in the emission estimation.

⁽²⁾ Please click on the button to specify the chemical consumed, as given in the example. If needed, new rows could be added for reporting the disaggregated chemicals from a source by clicking on the corresponding button.

Note: Table 2.(II).F provides for reporting of the activity data and emission factors used to calculate actual emissions from consumption of halocarbons and SF₆ using the "bottom-up approach" (based on the total stock of equipment and estimated emission rates from this equipment). Some Parties may prefer to estimate their actual emissions following the alternative "top-down approach" (based on annual sales of equipment and/or gas). These Parties should provide the activity data used in the current format and any other relevant information in the documentation box at the end of Table2(II)Fs2. Data these Parties should provide includes (1) the amount of fluid used to fill new products, (2) the amount of fluid used to service existing products, (3) the amount of fluid originally used to fill retiring products (the total nameplate capacity of retiring products), (4) the product lifetime, and (5) the growth rate of product sales, if this has been used to calculate the amount of fluid originally used to fill retiring products. Alternatively, Parties may provide alternative formats with equivalent information. These formats may be considered for future versions of the common reporting format after the trial period.

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 2 of 2)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
3 Fire Extinguishers <input type="checkbox"/>									
4 Aerosols									
Metered Dose Inhalers <input type="checkbox"/>									
Other <input type="checkbox"/>									
5 Solvents <input type="checkbox"/>									
6 Semiconductors <input type="checkbox"/>									
7 Electric Equipment <input type="checkbox"/>									
8 Other (please specify) <input type="checkbox"/>									

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note indicating this and explanations in the documentation box.

Documentation box:

TABLE 3 SECTORAL REPORT FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark

1997

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	N ₂ O	NM VOC
	(Gg)		
Total Solvent and Other Product Use	115,30	0,00	39,30
A. Paint Application	74,41		23,88
B. Degreasing and Dry Cleaning	0,00		
C. Chemical Products, Manufacture and Processing			2,30
D. Other (please specify)	40,89	0,00	13,12
<i>(Use of N₂O for Anaesthesia)</i>	0,00		
<i>(N₂O from Fire Extinguishers)</i>	0,00		
<i>(N₂O from Aerosol Cans)</i>	0,00		
<i>(Other Use of N₂O)</i>	0,00		
	40,89		13,12

Please account for the quantity of carbon released in the form of NMVOC in both the NMVOC and the CO₂ columns.

Note: The IPCC Guidelines do not provide methodologies for the calculation of emissions of N₂O from Solvent and Other Product Use. If reporting such data, Parties should provide additional information (activity data and emission factors) used to make these estimates in the documentation box to Table 3.A-D.

TABLE 3.A-D SECTORAL BACKGROUND DATA FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS	
	Description	(kt)	CO ₂ (t/t)	N ₂ O (t/t)
A. Paint Application		0,00	0,00	0,00
B. Degreasing and Dry Cleaning		0,00	0,00	0,00
C. Chemical Products, Manufacture and Processing				
D. Other (please specify)⁽¹⁾				
<i>(Use of N₂O for Anaesthesia)</i>		0,00	0,00	0,00
<i>(N₂O from Fire Extinguishers)</i>		0,00	0,00	0,00
<i>(N₂O from Aerosol Cans)</i>		0,00	0,00	0,00
<i>(Other Use of N₂O)</i>		0,00	0,00	0,00

⁽¹⁾ Some probable sources are provided in brackets. Complement the list with other relevant sources. Make sure that the order is the same as in Table 3.

Note: The table follows the format of the IPCC Sectoral Report for Solvent and Other Product Use, although some of the source categories are not relevant to the direct GHG emissions.

Documentation box:

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 1 of 2)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK	CH ₄	N ₂ O	NO _x	CO	NMVOC
CATEGORIES	(Gg)				
Total Agriculture	182,17	27,37	0,00	0,00	1,27
A. Enteric Fermentation	137,98				
1. Cattle	119,07				
Dairy Cattle	69,72				
Non-Dairy Cattle	49,35				
2. Buffalo					
3. Sheep	1,14				
4. Goats					
5. Camels and Llamas					
6. Horses	0,70				
7. Mules and Asses					
8. Swine	17,07				
9. Poultry					
10. Other (please specify)	0,00				
B. Manure Management	44,18	1,45			0,00
1. Cattle	15,28				
Dairy Cattle	13,15				
Non-Dairy Cattle	2,13				
2. Buffalo					
3. Sheep	0,07				
4. Goats					
5. Camels and Llamas					
6. Horses	0,04				
7. Mules and Asses					
8. Swine	28,07				
9. Poultry	0,72				

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 2 of 2)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O	NO _x	CO	NMVOC
	(Gg)				
B. Manure Management (continued)					
10. Anaerobic Lagoons					
11. Liquid Systems		0,21			
12. Solid Storage and Dry Lot		1,24			
13. Other (please specify) <input type="checkbox"/>		0,00			0,00
C. Rice Cultivation	0,00				0,00
1. Irrigated	0,00				
2. Rainfed	0,00				
3. Deep Water	0,00				
4. Other (please specify) <input type="checkbox"/>	0,00				0,00
D. Agricultural Soils ⁽¹⁾	0,00	25,92			1,27
1. Direct Soil Emissions		16,79			1,27
2. Animal Production		0,90			
3. Indirect Emissions		8,06			
4. Other (please specify) <input type="checkbox"/>	0,00	0,18			0,00
E. Prescribed Burning of Savannas	0,00	0,00			
F. Field Burning of Agricultural Residues	0,00	0,00	0,00	0,00	0,00
1. Cereals	0,00	0,00			
2. Pulse	0,00	0,00			
3. Tuber and Root	0,00	0,00			
4. Sugar Cane	0,00	0,00			
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00
G. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ See footnote 4 to Summary 1.A of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category of the sector Agriculture should indicate the amount [Gg] of these emissions or removals in the documentation box to Table 4.D. Additional information (activity data, implied emissions factors) should also be provided using the relevant documentation box to Table 4.D. This table is not modified for reporting the CO₂ emissions and removals for the sake of consistency with the IPCC tables (i.e. IPCC Sectoral Report for Agriculture).

Note: The IPCC Guidelines do not provide methodologies for the calculation of CH₄ emissions, CH₄ and N₂O removals from agricultural soils, or CO₂ emissions from savanna burning or agricultural residues burning. If you have reported such data, you should provide additional information (activity data and emission factors) used to make these estimates using the relevant documentation boxes of the Sectoral background data tables.

TABLE 4.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA ⁽¹⁾ AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS
	Population size ⁽²⁾ (1000 head)	Average daily feed intake (MJ/day)	CH ₄ conversion (%)	CH ₄ (kg CH ₄ /head/yr)
1. Cattle	0			0,00
Dairy Cattle ⁽³⁾	670			104,00
Non-Dairy Cattle	1.334			37,00
2. Buffalo	0			0,00
3. Sheep	142			8,00
4. Goats	0			0,00
5. Camels and Llamas	0			0,00
6. Horses	39			18,00
7. Mules and Asses	0			0,00
8. Swine	11.383			1,50
9. Poultry	0			0,00
10. Other (please specify) <input type="checkbox"/>				0,00

Additional information (for Tier 2)^(a)

Disaggregated list of animals ^(b)		Dairy Cattle	Non-Dairy Cattle	Other (specify)	
<input type="checkbox"/>				<input type="checkbox"/>	
Indicators:					
Weight	(kg)				
Feeding situation ^(c)					
Milk yield	(kg/day)				
Work	(hrs/day)				
Pregnant	(%)				
Digestibility of feed	(%)				

^(a) Compare to Tables A-1 and A-2 of the IPCC Guidelines (Volume 3, Reference Manual, pp. 4.31-4.34). These data are relevant if Parties do not have data on average feed intake.

^(b) Disaggregate to the split actually used. Add columns to the table if necessary.

^(c) Specify feeding situation as pasture, stall fed, confined, open range, etc.

⁽¹⁾ In the documentation boxes to all Sectoral background data tables for Agriculture, Parties should provide information on whether the activity data is one year or a 3-year average.

⁽²⁾ Parties are encouraged to provide detailed livestock population data by animal type and region in a separate table below the documentation box. This consistent set of animal population statistics should be used to estimate CH₄ emissions from enteric fermentation, CH₄ and N₂O from manure management, N₂O direct emissions from soil and N₂O emissions associated with manure production, as well as emissions from the use of manure as fuel, and sewage-related emissions reported in the waste sector.

⁽³⁾ Including data on dairy heifers, if available.

Documentation box:

TABLE 4.B(a) SECTORAL BACKGROUND DATA FOR AGRICULTURE
CH₄ Emissions from Manure Management
 (Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS CH ₄ (kg CH ₄ /head/yr)	
	Population size (1) (1000 head)	Allocation by climate region (2)			Typical animal mass (kg)	VS ⁽³⁾ daily excretion (kg dm/head/yr)		CH ₄ producing potential (Bo) ⁽³⁾ (CH ₄ m ³ /kg VS)
		Cool	Temperate	Warm				
1. Cattle	0						0,00	
Dairy Cattle ⁽⁴⁾	670						19,61	
Non-Dairy Cattle	1.334						1,60	
2. Buffalo	0						0,00	
3. Sheep	207						0,32	
4. Goats	0						0,00	
5. Camels and Llamas	0						0,00	
6. Horses	39						1,10	
7. Mules and Asses	0						0,00	
8. Swine	17.831						1,57	
9. Poultry	22.987						0,03	

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ Climate regions are defined in terms of annual average temperature as follows: Cool=less than 15°C; Temperate=15°C to 25°C inclusive; and Warm=greater than 25°C (see Table 4.2 of the IPCC Guidelines (Volume 3, Reference Manual, p. 4.8)).

⁽³⁾ VS=Volatile Solids; Bo=maximum methane producing capacity for manure IPCC Guidelines (Volume 3, Reference Manual, p.4.23 and p. 4.15.

⁽⁴⁾ Including data on dairy heifers, if available.

Documentation Box:

Additional information (for Tier 2)

Animal category ^(a)	Indicator	Climate region	Animal waste management system					
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range paddock	Other
Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Non-Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Swine	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						

^(a) Copy the above table as many times as necessary.

^(b) MCF = Methane Conversion Factor (IPCC Guidelines, (Volume 3, Reference Manual, p. 4.9)). In the case of use of other climate region categorization, please replace the entries in the cells with the climate regions for which the MCFs are specified.

TABLE 4.B(b) SECTORAL BACKGROUND DATA FOR AGRICULTURE
N₂O Emissions from Manure Management
(Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION								IMPLIED EMISSION FACTORS	
	Population size (⁽¹⁾ (1000s)	Nitrogen excretion (kg N/head/yr)	Nitrogen excretion per animal waste management system (kg N/yr)						Emission factor per animal waste management system (kg N ₂ O-N/kg N)	
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range and paddock	Other		
Non-Dairy Cattle	670								Anaerobic lagoon	0,000
Dairy Cattle	1.334								Liquid system	0,000
Sheep	207								Solid storage and dry lot	0,000
Swine	17.831								Other	0,000
Poultry	22.987									
Other (please specify) <input type="checkbox"/>										
Total per AWMS⁽²⁾			0,0	0,0	0,0	0,0	0,0	0,0		

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ AWMS - Animal Waste Management System.

Documentation box:

TABLE 4.C SECTORAL BACKGROUND DATA FOR AGRICULTURE

Rice Cultivation

(Sheet 1 of 1)

Denmark

1997

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR ⁽¹⁾	EMISSIONS
	Harvested area ⁽²⁾ (10 ⁻⁹ m ² /yr)	Organic amendments added ⁽³⁾ :		CH ₄ (g/m ²)	CH ₄ (Gg)
		type	(t/ha)		
1. Irrigated					0,00
Continuously Flooded				0,00	
Intermittently Flooded	Single Aeration			0,00	
	Multiple Aeration			0,00	
2. Rainfed					0,00
Flood Prone				0,00	
Drought Prone				0,00	
3. Deep Water					0,00
Water Depth 50-100 cm				0,00	
Water Depth > 100 cm				0,00	
4. Other (please specify)					0,00
				0,00	
Upland Rice ⁽⁴⁾					
Total ⁽⁴⁾	0,00				

⁽¹⁾ The implied emission factor takes account of all relevant corrections for continuously flooded fields without organic amendment plus the correction for the organic amendments, if used, as well as of the effect of different soil characteristics, if taken into account, on methane emissions.

⁽²⁾ Harvested area is the cultivated area multiplied by the number of cropping seasons per year.

⁽³⁾ Specify dry weight or wet weight for organic amendments.

⁽⁴⁾

Documentation box:

When disaggregating by more than one region within a country, provide additional information in the documentation box.

Where available, provide activity data and scaling factors by soil type and rice cultivar.

TABLE 4.D SECTORAL BACKGROUND DATA FOR AGRICULTURE

Agricultural Soils⁽¹⁾
(Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION		IMPLIED EMISSION FACTORS		EMISSIONS (Gg N ₂ O)
	Description	Value	Unit		
Direct Soil Emissions	N input to soils (kg N/yr)				16,79
Synthetic Fertilizers	Use of synthetic fertilizers (kg N/yr)	287.600.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,012	5,54
Animal Wastes Applied to Soils	Nitrogen input from manure applied to soils (kg N/yr)	239.750.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,009	3,38
N-fixing Crops	Dry pulses and soybeans produced (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	0,60
Crop Residue	Dry production of other crops (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	7,12
Cultivation of Histosols	Area of cultivated organic soils (ha)	18.440	(kg N ₂ O-N/ha) ⁽²⁾	5,000	0,14
Animal Production	N excretion on pasture range and paddock (kg N/yr)	30.850.000	(kg N₂O-N/kg N)⁽²⁾	0,019	0,90
Indirect Emissions					8,06
Atmospheric Deposition	(kg N/yr)	75.760.750	(kg N ₂ O-N/kg N) ⁽²⁾	0,010	1,19
Nitrogen Leaching and Run-off	N from fertilizers and animal wastes that is lost through leaching and run off (kg N/yr)	174.800.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,025	6,87
Other (please specify)					0,18
Sewage sludge used as fertilizer	(kg N/yr)	4.700.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,013	0,09
Industrial waste used as fertilizer	(kg N/yr)	4.360.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,013	0,09
				0,000	

Additional information

Fraction ^(a)	Description	Value
Frac _{BURN}	Fraction of crop residue burned	0,00
Frac _{FUEL}	Fraction of livestock N excretion in excrements burned for fuel	0,00
Frac _{GASF}	Fraction of synthetic fertilizer N applied to soils that volatilizes as NH ₃ and NO _x	0,02
Frac _{GASM}	Fraction of livestock N excretion that volatilizes as NH ₃ and NO _x	0,28
Frac _{GRAZ}	Fraction of livestock N excreted and deposited onto soil during grazing	
Frac _{LEACH}	Fraction of N input to soils that is lost through leaching and runoff	
Frac _{NCRBF}	Fraction of N in non-N-fixing crop	
Frac _{NCRO}	Fraction of N in N-fixing crop	
Frac _R	Fraction of crop residue removed from the field as crop	

^(a) Use the fractions as specified in the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.92 - 4.113).

⁽¹⁾ See footnote 4 to Summary 1.A. of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category should indicate the amount [Gg] of these emissions or removals and relevant additional information (activity data, implied emissions factors) in the documentation box.

⁽²⁾ To convert from N₂O-N to N₂O emissions, multiply by 44/28.

Documentation box:

TABLE 4.E SECTORAL BACKGROUND DATA FOR AGRICULTURE
Prescribed Burning of Savannas
(Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION					IMPLIED EMISSION FACTORS		EMISSIONS	
	Area of savanna burned (k ha/yr)	Average aboveground biomass density (t dm/ha)	Fraction of savanna burned	Biomass burned (Gg dm)	Nitrogen fraction in biomass	(kg/t dm)		(Gg)	
						CH ₄	N ₂ O	CH ₄	N ₂ O
(specify ecological zone) <input type="checkbox"/>								0,00	0,00
						0,00	0,00		

Additional information

	Living	Dead
Fraction of aboveground biomass		
Fraction oxidized		
Carbon fraction		

Documentation box:

TABLE 4.F SECTORAL BACKGROUND DATA FOR AGRICULTURE
Field Burning of Agricultural Residues
 (Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		EMISSIONS	
	Crop production (t)	Residue/ Crop ratio	Dry matter fraction	Fraction burned in fields	Biomass burned (Gg dm)	Nitrogen fraction in biomass of residues	CH ₄	N ₂ O	CH ₄	N ₂ O
							(kg/t dm)	(kg/t dm)	(Gg)	(Gg)
1. Cereals								0,00	0,00	
Wheat						0,00	0,00			
Barley						0,00	0,00			
Maize						0,00	0,00			
Oats						0,00	0,00			
Rye						0,00	0,00			
Rice						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
2. Pulse ⁽¹⁾								0,00	0,00	
Dry bean						0,00	0,00			
Peas						0,00	0,00			
Soybeans						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
3 Tuber and Root								0,00	0,00	
Potatoes						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
4 Sugar Cane						0,00	0,00			
5 Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			

⁽¹⁾ To be used in Table 4.D of this common reporting format.

Documentation Box:

TABLE 5 SECTORAL REPORT FOR LAND-USE CHANGE AND FORESTRY
(Sheet 1 of 1)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions/ removals	CH ₄	N ₂ O	NO _x	CO
	(Gg)						
Total Land-Use Change and Forestry	0,00	-951,00	-951,00	0,00	0,00	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-951,00	-951,00				
1. Tropical Forests			0,00				
2. Temperate Forests		-951,00	-951,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
Harvested Wood ⁽¹⁾			0,00				
			0,00				
B. Forest and Grassland Conversion⁽²⁾	0,00			0,00	0,00	0,00	0,00
1. Tropical Forests							
2. Temperate Forests							
3. Boreal Forests							
4. Grasslands/Tundra							
5. Other (please specify) <input type="checkbox"/>	0,00			0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00				
1. Tropical Forests			0,00				
2. Temperate Forests			0,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
D. CO₂ Emissions and Removals from Soil	0,00	0,00	0,00				
Cultivation of Mineral Soils			0,00				
Cultivation of Organic Soils			0,00				
Liming of Agricultural Soils			0,00				
Forest Soils			0,00				
Other (please specify) ⁽³⁾ <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
E. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00				

⁽¹⁾ Following the IPCC Guidelines, the harvested wood should be reported under Changes in Forest and Other Woody Biomass Stocks (Volume 3. Reference Manual, p.5.17).

⁽²⁾ Include only the emissions of CO₂ from Forest and Grassland Conversion. Associated removals should be reported under section D.

⁽³⁾ Include emissions from soils not reported under sections A, B and C.

Note: See footnote 4 to Summary 1.A of this common reporting format.

TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark
1997
April 11, 2001

**Changes in Forest and Other Woody Biomass Stocks
(Sheet 1 of 1)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES			ACTIVITY DATA		IMPLIED EMISSION FACTORS	ESTIMATES
			Area of forest/biomass stocks (kha)	Average annual growth rate (t dm/ha)	Implied carbon uptake factor (t C/ha)	Carbon uptake increment (Gg C)
Tropical	Plantations	<i>Acacia spp.</i>			0,00	
		<i>Eucalyptus spp.</i>			0,00	
		<i>Tectona grandis</i>			0,00	
		<i>Pinus spp</i>			0,00	
		<i>Pinus caribaea</i>			0,00	
		Mixed Hardwoods			0,00	
		Mixed Fast-Growing Hardwoods			0,00	
		Mixed Softwoods			0,00	
	Other Forests	Moist			0,00	
		Seasonal			0,00	
		Dry			0,00	
	Other (specify)				0,00	
	Temperate	Plantations			0,00	
Commercial		Evergreen			0,00	
		Deciduous			0,00	
Other (specify)				0,00		
Boreal				0,00		
			Number of trees (1000s of trees)	Annual growth rate (kt dm/1000 trees)	Carbon uptake factor (t C/tree)	Carbon uptake increment (Gg C)
Non-Forest Trees (specify type)						0,00
Total annual growth increment (Gg C)						0,00
Gg CO ₂						0,00
			Amount of biomass removed (kt dm)	Carbon emission factor (t C/t dm)	Carbon release (Gg C)	
Total biomass removed in Commercial Harvest				0,00		
Traditional Fuelwood Consumed				0,00		
Total Other Wood Use				0,00		
Total Biomass Consumption from Stocks ⁽¹⁾ (Gg C)						0,00
Other Changes in Carbon Stocks ⁽²⁾ (Gg C)						
Gg CO ₂						0,00
Net annual carbon uptake (+) or release (-) (Gg C)						0,00
Net CO ₂ emissions (-) or removals (+) (Gg CO ₂)						0,00

⁽¹⁾ Make sure that the quantity of biomass burned off-site is subtracted from this total.

⁽²⁾ The net annual carbon uptake/release is determined by comparing the annual biomass growth versus annual harvest, including the decay of forest products and slash left during harvest. The IPCC Guidelines recommend default assumption that all carbon removed in wood and other biomass from forests is oxidized in the year of removal. The emissions from decay could be included under Other Changes in Carbon Stocks.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.B SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Forest and Grassland Conversion
 (Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS					EMISSIONS					
		On and off site burning				Decay of above-ground biomass ⁽¹⁾		Burning			Decay	Burning				Decay		
		Area converted annually (kha)	Annual net loss of biomass (kt dm)	Quantity of biomass burned		Average area converted (kha)	Average annual net loss of biomass (t dm/ha)	Average quantity of biomass left to decay (kt dm)	On site			Off site CO ₂	On site				Off site CO ₂	
				On site (kt dm)	Off site (kt dm)				CO ₂	CH ₄	N ₂ O		CO ₂	CH ₄	N ₂ O			
								(t/ha)					(Gg)					
Tropical	Wet/Very Moist							0,00	0,00	0,00	0,00	0,00						
	Moist, short dry season							0,00	0,00	0,00	0,00	0,00						
	Moist, long dry season							0,00	0,00	0,00	0,00	0,00						
	Dry							0,00	0,00	0,00	0,00	0,00						
	Montane Moist							0,00	0,00	0,00	0,00	0,00						
	Montane Dry							0,00	0,00	0,00	0,00	0,00						
Tropical Savanna/Grasslands								0,00	0,00	0,00	0,00	0,00						
Temperate	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Broadleaf							0,00	0,00	0,00	0,00	0,00						
	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
Grasslands								0,00	0,00	0,00	0,00	0,00						
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Forest-tundra							0,00	0,00	0,00	0,00	0,00						
Grasslands/Tundra								0,00	0,00	0,00	0,00	0,00						
Other (please specify)								0,00	0,00	0,00	0,00	0,00						
Total								0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Activity data are for default 10-year average. Specify the average decay time which is appropriate for the local conditions, if other than 10 years.

Emissions/Removals	On site	Off site
Immediate carbon release from burning	0,00	0,00
Total On site and Off site (Gg C)	0,00	
Delayed emissions from decay (Gg C)	0,00	
Total annual carbon release (Gg C)	0,00	
Total annual CO ₂ emissions (Gg CO ₂)	0,00	

Additional information

Fractions	On site	Off site
Fraction of biomass burned (average)		
Fraction which oxidizes during burning (average)		
Carbon fraction of aboveground biomass (average)		
Fraction left to decay (average)		
Nitrogen-carbon ratio		

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.C SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Abandonment of Managed Lands
(Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		ESTIMATES	
		Total area abandoned and regrowing ⁽¹⁾		Annual rate of aboveground biomass growth		Carbon fraction of aboveground biomass		Rate of aboveground biomass carbon uptake		Annual carbon uptake in aboveground biomass	
		first 20 years (kha)	>20 years (kha)	first 20 years (t dm/ha)	>20 years (t dm/ha)	first 20 years	>20 years	first 20 years (t C/ha/yr)	>20 years (t C/ha/yr)	first 20 years (Gg C/yr)	>20 years (Gg C/yr)
Original natural ecosystems											
Tropical	Wet/Very Moist							0,00	0,00		
	Moist, short dry season							0,00	0,00		
	Moist, long dry season							0,00	0,00		
	Dry							0,00	0,00		
	Montane Moist							0,00	0,00		
	Montane Dry							0,00	0,00		
Tropical Savanna/Grasslands								0,00	0,00		
Temperate	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Broadleaf							0,00	0,00		
Grasslands								0,00	0,00		
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Forest-tundra							0,00	0,00		
Grasslands/Tundra								0,00	0,00		
Other (please specify)								0,00	0,00		
								0,00	0,00		
										Total annual carbon uptake (Gg C)	0,00
										Total annual CO ₂ removal (Gg CO ₂)	0,00

⁽¹⁾ If lands are regenerating to grassland, then the default assumption is that no significant changes in above-ground biomass occur.

Note: Sectoral background data tables on Land-use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.D SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
CO₂ Emissions and Removals from Soil
 (Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS	ESTIMATES
	Land area (Mha)	Average annual rate of soil carbon uptake/removal (Mg C/ha/yr)	Net change in soil carbon in mineral soils (Tg C over 20 yr)
Cultivation of Mineral Soils ⁽¹⁾			0,00
High Activity Soils		0,00	
Low Activity Soils		0,00	
Sandy		0,00	
Volcanic		0,00	
Wetland (Aquic)		0,00	
Other (please specify) <input type="checkbox"/>			0,00
		0,00	
	Land area (ha)	Annual loss rate (Mg C/ha/yr)	Carbon emissions from organic soils (Mg C/yr)
Cultivation of Organic Soils			0,00
Cool Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Warm Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Tropical			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
	Total annual amount of lime (Mg)	Carbon conversion factor	Carbon emissions from liming (Mg C)
Liming of Agricultural Soils			0,00
Limestone Ca(CO ₃)		0,00	
Dolomite CaMg(CO ₃) ₂		0,00	
Total annual net carbon emissions from agriculturally impacted soils (Gg C)			0,00
Total annual net CO ₂ emissions from agriculturally impacted soils (Gg CO ₂)			0,00

Additional information

Year	Climate ^(a)	land-use/ management system ^(a)	Soil type					
			High activity soils	Low activity soils	Sandy	Volcanic	Wetland (Aquic)	Organic soil
percent distribution (%)								
20 years prior	(e.g. tropical, dry)	(e.g. savanna)						
		(e.g. irrigated cropping)						
inventory year								

^(a) These should represent the major types of land management systems per climate regions presented in the country as well as ecosystem types which were either converted to agriculture (e.g., forest, savanna, grassland) or have been derived from previous agricultural land-use (e.g., abandoned lands, reforested lands). Systems should also reflect differences in soil carbon stocks that can be related to differences in management (IPCC Guidelines (Volume 2. Workbook, Table 5-9, p. 5.26, and Appendix (pp. 5-31 - 5.38)).

⁽¹⁾ The information to be reported under Cultivation of Mineral Soils aggregates data per soil type over all land-use/management systems. This refers to land area data and to the emission estimates and implied emissions factors accordingly.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation Box:

TABLE 6 SECTORAL REPORT FOR WASTE
(Sheet 1 of 1)

Denmark

1997

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Waste	0,00	59,10	0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	0,00	59,10		0,00	0,00	0,00	
1. Managed Waste Disposal on Land	0,00	59,10					
2. Unmanaged Waste Disposal Sites	0,00	0,00					
3. Other (please specify) <input type="checkbox"/>	0,00	0,00		0,00	0,00	0,00	
B. Wastewater Handling		0,00	0,00	0,00	0,00	0,00	
1. Industrial Wastewater		0,00	0,00				
2. Domestic and Commercial Wastewater		0,00	0,00				
3. Other (please specify) <input type="checkbox"/>		0,00	0,00	0,00	0,00	0,00	
C. Waste Incineration	0,00	0,00	0,00				
D. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biological or inorganic waste sources.

TABLE 6.A SECTORAL BACKGROUND DATA FOR WASTE
Solid Waste Disposal
(Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION				IMPLIED EMISSION FACTOR		EMISSIONS ⁽¹⁾	
	Annual MSW at the SWDS (Gg)	MCF	DOC degraded (Gg)	CH ₄ recovery ⁽²⁾ (Gg)	CH ₄ (t/t MSW)	CO ₂ (t/t MSW)	CH ₄ (Gg)	CO ₂ ⁽³⁾ (Gg)
1 Managed Waste Disposal on Land	2.083,00				0,03	0,00	59,10	
2 Unmanaged Waste Disposal Sites					0,00	0,00	0,00	0,00
- deep (>5 m)	0,00				0,00	0,00		
- shallow (<5 m)					0,00	0,00		
3 Other (please specify)					0,00	0,00	0,00	0,00

Additional information

Description	Value
Total population (1000s) ^(a)	
Urban population (1000s) ^(a)	
Waste generation rate (kg/capita/day)	
Fraction of MSW disposed to SWDS	
Fraction of DOC in MSW	
Fraction of wastes incinerated	
Fraction of wastes recycled	
CH ₄ oxidation factor (b)	
CH ₄ fraction in landfill gas	
Number of SWDS recovering CH ₄	
CH ₄ generation rate constant (k) ^(c)	
Time lag considered (yr) ^(c)	
Composition of landfilled waste (%)	
Paper and paperboard	
Food and garden waste	
Plastics	
Glass	
Textiles	
Other (specify)	
other - inert	
other - organic	

TABLE 6.C SECTORAL BACKGROUND DATA FOR WASTE
Waste Incineration
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA Amount of incinerated wastes (Gg)	IMPLIED EMISSION FACTOR			EMISSIONS		
		CO ₂ (kg/t waste)	CH ₄ (kg/t waste)	N ₂ O (kg/t waste)	CO ₂ ⁽³⁾ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Waste Incineration (please specify)	0,00				0,00	0,00	0,00
(biogenic) ⁽³⁾		0,00	0,00	0,00			
(plastics and other non-biogenic waste) ⁽³⁾		0,00	0,00	0,00			
		0,00	0,00	0,00			

MSW - Municipal Solid Waste, SWDS - Solid Waste Disposal Site, MCF - Methane Correction Factor, DOC - Degradable Organic Carbon (IPCC Guidelines (Volume 3. Reference Manual, section 6.2.4)). MSW includes household waste, yard/garden waste, commercial/market waste and organic industrial solid waste. MSW should not include inorganic industrial waste such as construction or demolition materials.

⁽¹⁾ Actual emissions (after recovery).

⁽²⁾ CH₄ recovered and flared or utilized.

⁽³⁾ Under Waste Disposal, CO₂ emissions should be reported only when the disposed wastes are combusted at the disposal site which might constitute a management practice. CO₂ emissions from non-biogenic wastes are included in the totals, while the CO₂ emissions from biogenic wastes are not included in the totals.

Documentation box:

All relevant information used in calculation should be provided in the additional information box and in the documentation box.
 Parties that use country specific models should note this with a brief rationale in the documentation box and fill the relevant cells only.

^(a) Specify whether total or urban population is used and the rationale for doing so.

^(b) See IPCC Guidelines (Volume 3. Reference Manual, p. 6.9).

^(c) For Parties using Tier 2 methods.

TABLE 6.B SECTORAL BACKGROUND DATA FOR WASTE
Wastewater Handling
 (Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND RELATED INFORMATION ⁽¹⁾				IMPLIED EMISSION FACTOR			EMISSIONS ⁽²⁾		
	Total organic product		CH ₄ recovered and/or flared		CH ₄		N ₂ O ⁽³⁾ (kg/kg DC)	CH ₄		N ₂ O ⁽³⁾ (Gg)
	Wastewater (Gg DC ⁽¹⁾ /yr)	Sludge	Wastewater (Gg)	Sludge	Wastewater (kg/kg DC)	Sludge (kg/kg DC)		Wastewater (Gg)	Sludge (Gg)	
Industrial Wastewater	1.000.000,00				0,00	0,00		0,00		
Domestic and Commercial Wastewater	1.000.000,00				0,00	0,00		0,00		
Other (please specify)								0,00	0,00	0,00
					0,00	0,00				

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR	EMISSIONS
	Population ⁽⁴⁾ (1000s)	Protein consumption (protein in kg/person/yr)	N fraction (kg N/kg protein)	N ₂ O (kg N ₂ O-N/kg sewage N produced)	N ₂ O (Gg)
N ₂ O from human sewage ⁽³⁾					0,00

⁽¹⁾ DC - degradable organic component. DC indicators are COD (Chemical Oxygen Demand) for industrial wastewater and BOD (Biochemical Oxygen Demand) for Domestic/Commercial wastewater/sludge (IPCC Guidelines (Volume 3. Reference Manual, pp. 6.14, 6.18)).

⁽²⁾ Actual emissions (after recovery).

⁽³⁾ Parties using other methods for estimation of N₂O emissions from human sewage or wastewater treatment should provide corresponding information on methods, activity data and emission factors used in the documentation box. Use the table to provide aggregate data.

⁽⁴⁾ Specify whether total or urban population is used in the calculations and the rationale for doing so. Provide explanation in the documentation box.

Documentation box:

Additional information

	Domestic	Industrial
Total wastewater (m ³):		
Treated wastewater (%):		

Wastewater streams:	Wastewater output (m ³)	DC (kgCOD/m ³)
Industrial wastewater		
Iron and steel		
Non-ferrous		
Fertilizers		
Food and beverage		
Paper and pulp		
Organic chemicals		
Other (specify)		
	DC (kg BOD/1000 person/yr)	
Domestic and Commercial		
Other		

Handling systems:	Industrial wastewater treated (%)	Ind. sludge treated (%)	Domestic wastewater treated (%)	Domestic sludge treated (%)
Aerobic				
Anaerobic				
Other (specify)				

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)

(Sheet 1 of 3)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)				(Gg)				
Total National Emissions and Removals	64,540,12	-951,00	271,93	30,91	1,383,13	343,57	56,00	3,50	0,01	0,00	252,02	578,50	147,82	110,09
1. Energy	62,885,50		30,67	3,54							251,45	578,50	97,67	110,09
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	62,373,88		12,86	3,53						248,77	532,89	85,49	107,89
1. Energy Industries		35,275,45		1,46	1,14						88,13	12,33	1,66	75,99
2. Manufacturing Industries and Construction		6,304,63		0,77	0,40						29,15	14,81	3,98	13,19
3. Transport		12,098,06		3,12	1,30						93,90	332,27	61,42	6,09
4. Other Sectors		8,524,91		7,50	0,68						36,57	172,85	18,29	12,58
5. Other		170,83		0,01	0,01						1,02	0,63	0,15	0,04
B. Fugitive Emissions from Fuels		511,62		17,81	0,01						2,68	45,61	12,18	2,20
1. Solid Fuels		0,00		6,27	0,00						0,00	43,87	0,00	0,00
2. Oil and Natural Gas		511,62		11,54	0,01						2,68	1,75	12,18	2,20
2. Industrial Processes	1,539,32		0,00	0,00	1,383,13	343,57	56,00	3,50	0,01	0,00	0,57	0,00	0,57	0,00
A. Mineral Products	1,539,32		0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,57	0,00	0,00	0,00
C. Metal Production	0,00		0,00	0,00				0,00		0,00	0,00	0,00	0,00	0,00
D. Other Production ⁽³⁾	0,00										0,00	0,00	0,57	0,00
E. Production of Halocarbons and SF ₆						0,00		0,00		0,00				
F. Consumption of Halocarbons and SF ₆					1,383,13	343,57	56,00	3,50	0,01	0,00				
G. Other	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach. Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ Other Production includes Pulp and Paper and Food and Drink Production.

Note: The numbering of footnotes to all tables containing more than one sheet continue to the next sheet. Common footnotes are given only once at the first point of reference.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	emissions	removals			P	A	P	A	P	A				
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
3. Solvent and Other Product Use	115,30			0,00									39,30	
4. Agriculture	0,00	0,00	182,17	27,37							0,00	0,00	1,27	0,00
A. Enteric Fermentation			137,98											
B. Manure Management			44,18	1,45									0,00	
C. Rice Cultivation			0,00										0,00	
D. Agricultural Soils	⁽⁴⁾	⁽⁴⁾	0,00	25,92									1,27	
E. Prescribed Burning of Savannas			0,00	0,00							0,00	0,00	0,00	
F. Field Burning of Agricultural Residues			0,00	0,00							0,00	0,00	0,00	
G. Other			0,00	0,00							0,00	0,00	0,00	
5. Land-Use Change and Forestry	⁽⁵⁾	0,00	⁽⁵⁾	-951,00	0,00	0,00					0,00	0,00	9,01	0,00
A. Changes in Forest and Other Woody Biomass Stocks	⁽⁵⁾	0,00	⁽⁵⁾	-951,00										
B. Forest and Grassland Conversion		0,00		0,00	0,00						0,00	0,00	9,01	
C. Abandonment of Managed Lands	⁽⁵⁾	0,00	⁽⁵⁾	0,00										
D. CO ₂ Emissions and Removals from Soil	⁽⁵⁾	0,00	⁽⁵⁾	0,00										
E. Other	⁽⁵⁾	0,00	⁽⁵⁾	0,00	0,00	0,00					0,00	0,00		
6. Waste	0,00		59,10	0,00							0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	⁽⁶⁾	0,00	59,10									0,00	0,00	
B. Wastewater Handling			0,00	0,00							0,00	0,00	0,00	
C. Waste Incineration	⁽⁶⁾	0,00	0,00	0,00							0,00	0,00	0,00	0,00
D. Other		0,00	0,00	0,00							0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽⁴⁾ According to the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.2, 4.87), CO₂ emissions from agricultural soils are to be included under Land-Use Change and Forestry (LUCF). At the same time, the Summary Report 7A (Volume 1. Reporting Instructions, Tables.27) allows for reporting CO₂ emissions or removals from agricultural soils, either in the Agriculture sector, under D. Agricultural Soils or in the Land-Use Change and Forestry sector under D. Emissions and Removals from Soil. Parties may choose either way to report emissions or removals from this source in the common reporting format, but the way they have chosen to report should be clearly indicated, by inserting explanatory comments to the corresponding cells of Summary 1.A and Summary 1.B. Double-counting of these emissions or removals should be avoided. Parties should include these emissions or removals consistently in Table8(a) (Recalculation - Recalculated data) and Table10 (Emission trends).

⁽⁵⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽⁶⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biogenic or inorganic waste streams.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs		PFCs		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)					(Gg)			
Memo Items: ⁽⁷⁾														
International Bunkers	6,448,62		0,14	0,36							129,18	12,27	3,63	66,05
Aviation	2,029,51		0,04	0,08							8,17	1,98	0,39	0,13
Marine	4,419,11		0,10	0,28							121,01	10,29	3,24	65,92
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	6,287,57													

⁽⁷⁾ Memo Items are not included in the national totals.

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
	P	A	P	A	P	A	P	A	P	A				
Total National Emissions and Removals	64,540,12	-951,00	271,93	30,91	1,383,13	343,57	56,00	3,50	0,01	0,00	252,02	578,50	147,82	110,09
1. Energy	62,885,50		30,67	3,54							251,45	578,50	97,67	110,09
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	62,373,88	12,86	3,53							248,77	532,89	85,49	107,89
B. Fugitive Emissions from Fuels		511,62	17,81	0,01							2,68	45,61	12,18	2,20
2. Industrial Processes	1,539,32		0,00	0,00	1,383,13	343,57	56,00	3,50	0,01	0,00	0,57	0,00	0,57	0,00
3. Solvent and Other Product Use	115,30			0,00							0,00	0,00	39,30	0,00
4. Agriculture⁽³⁾	0,00	0,00	182,17	27,37							0,00	0,00	1,27	0,00
5. Land-Use Change and Forestry⁽⁴⁾	0,00⁽⁴⁾	-951,00⁽⁴⁾	0,00	0,00							0,00	0,00	9,01	0,00
6. Waste	0,00		59,10	0,00							0,00	0,00	0,00	0,00
7. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:														
International Bunkers	6,448,62		0,14	0,36							129,18	12,27	3,63	66,05
Aviation	2,029,51		0,04	0,08							8,17	1,98	0,39	0,13
Marine	4,419,11		0,10	0,28							121,01	10,29	3,24	65,92
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	6,287,57													

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in document box of Table 1.A(c). Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ See footnote 4 to Summary 1.A.

⁽⁴⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

SUMMARY 2 SUMMARY REPORT FOR CO₂ EQUIVALENT EMISSIONS
(Sheet 1 of 1)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	Total
	CO ₂ equivalent (Gg)						
Total (Net Emissions)⁽¹⁾	63,589,12	5,710,59	9,582,07	343,57	3,50	73,09	79,301,94
1. Energy	62,885,50	644,00	1,096,30				64,625,80
A. Fuel Combustion (Sectoral Approach)	62,373,88	270,04	1,093,51				63,737,43
1. Energy Industries	35,275,45	30,67	354,90				35,661,03
2. Manufacturing Industries and Construction	6,304,63	16,13	123,25				6,444,01
3. Transport	12,098,06	65,44	402,74				12,566,24
4. Other Sectors	8,524,91	157,58	210,35				8,892,84
5. Other	170,83	0,22	2,28				173,32
B. Fugitive Emissions from Fuels	511,62	373,96	2,79				888,36
1. Solid Fuels	0,00	131,66	0,00				131,66
2. Oil and Natural Gas	511,62	242,30	2,79				756,70
2. Industrial Processes	1,539,32	0,00	0,00	343,57	3,50	73,09	1,959,47
A. Mineral Products	1,539,32	0,00	0,00				1,539,32
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00		0,00	14,34	14,34
D. Other Production	0,00						0,00
E. Production of Halocarbons and SF ₆				0,00	0,00	0,00	0,00
F. Consumption of Halocarbons and SF ₆				343,57	3,50	58,75	405,81
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	115,30		0,00				115,30
4. Agriculture	0,00	3,825,50	8,485,77				12,311,27
A. Enteric Fermentation		2,897,64					2,897,64
B. Manure Management		927,85	449,69				1,377,54
C. Rice Cultivation		0,00					0,00
D. Agricultural Soils ⁽²⁾		0,00	8,036,08				8,036,08
E. Prescribed Burning of Savannas		0,00	0,00				0,00
F. Field Burning of Agricultural Residues		0,00	0,00				0,00
G. Other		0,00	0,00				0,00
5. Land-Use Change and Forestry⁽¹⁾	-951,00	0,00	0,00				-951,00
6. Waste	0,00	1,241,10	0,00				1,241,10
A. Solid Waste Disposal on Land	0,00	1,241,10					1,241,10
B. Wastewater Handling		0,00	0,00				0,00
C. Waste Incineration	0,00	0,00	0,00				0,00
D. Other	0,00	0,00	0,00				0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:							
International Bunkers	6,448,62	2,94	111,95				6,563,51
Aviation	2,029,51	0,84	25,71				2,056,06
Marine	4,419,11	2,10	86,23				4,507,45
Multilateral Operations	0,00	0,00	0,00				0,00
CO₂ Emissions from Biomass	6,287,57						6,287,57

⁽¹⁾ For CO₂ emissions from Land-Use Change and Forestry the net emissions are to be reported. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions / removals	CH ₄	N ₂ O	Total emissions
	CO ₂ equivalent (Gg)					
Land-Use Change and Forestry						
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-951,00	-951,00			-951,00
B. Forest and Grassland Conversion	0,00		0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00			0,00
D. CO ₂ Emissions and Removals from Soil	0,00	0,00	0,00			0,00
E. Other	0,00	0,00	0,00	0,00	0,00	0,00
Total CO₂ Equivalent Emissions from Land-Use Change and Forestry	0,00	-951,00	-951,00	0,00	0,00	-951,00

Total CO₂ Equivalent Emissions without Land-Use Change and Forestry^(a) 80.252,94

Total CO₂ Equivalent Emissions with Land-Use Change and Forestry^(a) 79.301,94

^(a) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 1 of 2)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
1. Energy												
A. Fuel Combustion												
1. Energy Industries												
2. Manufacturing Industries and Construction												
3. Transport												
4. Other Sectors												
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
2. Oil and Natural Gas												
2. Industrial Processes												
A. Mineral Products												
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF ₆												
F. Consumption of Halocarbons and SF ₆												
G. Other												

⁽¹⁾ Use the following notation keys to specify the method applied: D (IPCC default), RA (Reference Approach), T1 (IPCC Tier 1), T1a, T1b, T1c (IPCC Tier 1a, Tier 1b and Tier 1c, respectively), T2 (IPCC Tier 2), T3 (IPCC Tier 3), C (CORINAIR), CS (Country Specific), M (Model). If using more than one method, enumerate the relevant methods. Explanations of any modifications to the default IPCC methods, as well as information on the proper use of methods per source category where more than one method is indicated, and explanations on the country specific methods, should be provided in the documentation box of the relevant Sectoral background data table.

⁽²⁾ Use the following notation keys to specify the emission factor used: D (IPCC default), C (CORINAIR), CS (Country Specific), PS (Plant Specific), M (Model). Where a mix of emission factors has been used, use different notations in one and the same cells with further explanation in the documentation box of the relevant Sectoral background data table.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 2 of 2)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation												
B. Manure Management												
C. Rice Cultivation												
D. Agricultural Soils												
E. Prescribed Burning of Savannas												
F. Field Burning of Agricultural Residues												
G. Other												
5. Land-Use Change and Forestry												
A. Changes in Forest and Other Woody Biomass Stocks												
B. Forest and Grassland Conversion												
C. Abandonment of Managed Lands												
D. CO ₂ Emissions and Removals from Soil												
E. Other												
6. Waste												
A. Solid Waste Disposal on Land												
B. Wastewater Handling												
C. Waste Incineration												
D. Other												
7. Other (please specify) <input type="checkbox"/>												

TABLE 7 OVERVIEW TABLE⁽¹⁾ FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 1 of 3)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
Total National Emissions and Removals																					
1 Energy																					
A. Fuel Combustion Activities																					
Reference Approach																					
Sectoral Approach																					
1. Energy Industries																					
2. Manufacturing Industries and Construction																					
3. Transport																					
4. Other Sectors																					
5. Other																					
B. Fugitive Emissions from Fuels																					
1. Solid Fuels																					
2. Oil and Natural Gas																					
2 Industrial Processes																					
A. Mineral Products																					
B. Chemical Industry																					
C. Metal Production																					
D. Other Production																					
E. Production of Halocarbons and SF ₆																					

⁽¹⁾ This table is intended to be used by Parties to summarize their own assessment of completeness (e.g. partial, full estimate, not estimated) and quality (high, medium, low) of major source/sink inventory estimates. The latter could be understood as a quality assessment of the uncertainty of the estimates. This table might change once the IPCC completes its work on managing uncertainties of GHG inventories. The title of the table was kept for consistency with the current table in the IPCC Guidelines.

Note: To fill in the table use the notation key as given in the IPCC Guidelines (Volume 1. Reporting Instructions, Tables. 37).

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 2 of 3)

Denmark
 1997
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
2 Industrial Processes (continued)																					
F. Consumption of Halocarbons and SF ₆																					
Potential ⁽²⁾																					
Actual ⁽³⁾																					
G. Other																					
3 Solvent and Other Product Use																					
4 Agriculture																					
A. Enteric Fermentation																					
B. Manure Management																					
C. Rice Cultivation																					
D. Agricultural Soils																					
E. Prescribed Burning of Savannas																					
F. Field Burning of Agricultural Residues																					
G. Other																					
5 Land-Use Change and Forestry																					
A. Changes in Forest and Other Woody Biomass Stocks																					
B. Forest and Grassland Conversion																					

⁽²⁾ Potential emissions based on Tier 1 approach of the IPCC Guidelines.

⁽³⁾ Actual emissions based on Tier 2 approach of the IPCC Guidelines.

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 3 of 3)

Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
5 Land-Use Change and Forestry (continued)																					
C. Abandonment of Managed Lands																					
D. CO ₂ Emissions and Removals from Soil																					
E. Other																					
6 Waste																					
A. Solid Waste Disposal on Land																					
B. Wastewater Handling																					
C. Waste Incineration																					
D. Other																					
7 Other (please specify)																					
Memo Items:																					
International Bunkers																					
Aviation																					
Marine																					
Multilateral Operations																					
CO ₂ Emissions from Biomass																					

TABLE 8(a) RECALCULATION - RECALCULATED DATA

 Recalculated
(Sheet 1 of 2)

 year:

 Denmark
1997
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO2			CH4			N2O		
		Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
		CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
Total National Emissions and Removals		63,387,70	63,589,12	0,32	5,715,99	5,710,59	-0,09	9,389,90	9,582,07	2,05
1. Energy		62,684,91	62,885,50	0,32	649,53	644,00	-0,85	905,20	1,096,30	21,11
1.A.	Fuel Combustion Activities	62.173,29	62.373,88	0,32	275,52	270,04	-1,99	902,10	1.093,51	21,22
1.A.1.	Energy Industries	35.275,45	35.275,45	0,00	30,66	30,67	0,04	353,40	354,90	0,43
1.A.2.	Manufacturing Industries and Construction	6.252,93	6.304,63	0,83	14,49	16,13	11,32	55,80	123,25	120,88
1.A.3.	Transport	12.070,17	12.098,06	0,23	69,09	65,44	-5,29	396,80	402,74	1,50
1.A.4.	Other Sectors	8.478,06	8.524,91	0,55	161,07	157,58	-2,17	93,00	210,35	126,18
1.A.5.	Other	96,68	170,83	76,69	0,21	0,22	5,41	0,00	2,28	0,00
1.B.	Fugitive Emissions from Fuels	511,62	511,62	0,00	374,01	373,96	-0,01	3,10	2,79	-10,09
1.B.1.	Solid fuel	0,00	0,00	0,00	131,67	131,66	-0,01	0,00	0,00	0,00
1.B.2.	Oil and Natural Gas	511,62	511,62	0,00	242,34	242,30	-0,02	3,10	2,79	-10,09
2. Industrial Processes		1,539,32	1,539,32	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.A.	Mineral Products	1.539,32	1.539,32	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.B.	Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.C.	Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.D.	Other Production	0,00	0,00	0,00						
2.G.	Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use		122,47	115,30	-5,85				0,00	0,00	0,00
4. Agriculture		0,00	0,00	0,00	3,825,36	3,825,50	0,00	8,484,70	8,485,77	0,01
4.A.	Enteric Fermentation				2.897,58	2.897,64	0,00			
4.B.	Manure Management				927,78	927,85	0,01	449,50	449,69	0,04
4.C.	Rice Cultivation				0,00	0,00	0,00			
4.D.	Agricultural Soils (2)			0,00	0,00	0,00	0,00	8.035,20	8.036,08	0,01
4.E.	Prescribed Burning of Savannas				0,00	0,00	0,00	0,00	0,00	0,00
4.F.	Field Burning of Agricultural Residues				0,00	0,00	0,00	0,00	0,00	0,00
4.G.	Other				0,00	0,00	0,00	0,00	0,00	0,00
5. Land-Use Change and Forestry (net)		-959,00	-951,00	-0,83	0,00	0,00	0,00	0,00	0,00	0,00
5.A.	Changes in Forest and Other Woody Biomass Stocks	-959,00	-951,00	-0,83						
5.B.	Forest and Grassland Conversion			0,00			0,00			0,00
5.C.	Abandonment of Managed Lands			0,00						
5.D.	CO2 Emissions and Removals from Soil			0,00						
5.E.	Other			0,00			0,00			0,00

⁽¹⁾ Estimate the percentage change due to recalculation with respect to the previous submission (Percentage change = 100% x [(LS-PS)/PS], where LS = Latest submission and PS = Previous submission. All cases of recalculation of the estimate of the source/sink category, should be addressed and explained in Table 8(b) of this common reporting format.

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Denmark
 1997
 April 11, 2001

Specify the sector and source/sink category ⁽¹⁾ where changes in estimates have occurred:	GHG	RECALCULATION DUE TO			
		CHANGES IN:			Addition/removal/ replacement of source/sink categories
		Methods ⁽²⁾	Emission factors ⁽²⁾	Activity data ⁽²⁾	

⁽¹⁾ Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table (see Table 8(a)).

⁽²⁾ Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in Table 8(a). Include relevant changes in the assumptions and coefficients under the "Methods" column.

Documentation box: Use the documentation box to report the justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory.

TABLE 9 COMPLETENESS
(Sheet 1 of 2)

Denmark
1997
April 11, 2001

Sources and sinks not reported (NE) ⁽¹⁾				
GHG	Sector ⁽²⁾	Source/sink category ⁽²⁾	Explanation	
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				
Sources and sinks reported elsewhere (IE) ⁽³⁾				
GHG	Source/sink category	Allocation as per IPCC Guidelines	Allocation used by the Party	Explanation
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				


⁽¹⁾ Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.

⁽²⁾ Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).

⁽³⁾ Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.

TABLE 9 COMPLETENESS
(Sheet 2 of 2)

Denmark
 1997
 April 11, 2001

Additional GHG emissions reported ⁽⁴⁾						
GHG 	Source category	Emissions (Gg)	Estimated GWP value (100-year horizon)	Emissions CO ₂ equivalent (Gg)	Reference to the data source of GWP value	Explanation

⁽⁴⁾ Parties are encouraged to provide information on emissions of greenhouse gases whose GWP values have not yet been agreed upon by the COP. Please include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

TABLE 11 CHECK LIST OF REPORTED INVENTORY INFORMATION ⁽¹⁾									
Party: Denmark			Year: 1997						
Contact info:	Focal point for national GHG inventories:	Jytte Boll Illerup, National Environmental Research Institute							
	Address:	P.O. Box 358, Department of Policy Analysis, DK-4000 Roskilde							
	Telephone:	0045 46301289	Fax:	0045 46301212	E-mail:	jbi@dmu.dk			
	Main institution preparing the inventory:	National Environmental Research Institute, Ministry of Environment and Energy							
General info:	Date of submission:	11-apr-01							
	Base years:	1990	PFCs, HFCs, SF6:	1995					
	Year covered in the submission:	1990-1999							
	Gases covered:	CO2, CH4, N2O, NOx, CO, NMVOC, SO2, HFCs, PFCs, SF6							
Omissions in geographic coverage:	Denmark								
Tables:	Sectoral report tables:	<input checked="" type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	Sectoral background data tables:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Summary 1 (IPCC Summary tables):		IPCC Table 7A:		<input checked="" type="checkbox"/>	IPCC Table 7B:		<input checked="" type="checkbox"/>	
	Summary 2 (CO ₂ equivalent emissions):				<input checked="" type="checkbox"/>				
	Summary 3 (Methods/Emission factors):				<input checked="" type="checkbox"/>				
	Uncertainty:		IPCC Table 8A:		<input checked="" type="checkbox"/>	National information:		<input checked="" type="checkbox"/>	
	Recalculation tables:				<input checked="" type="checkbox"/>				
	Completeness table:				<input checked="" type="checkbox"/>				
Trend table:				<input checked="" type="checkbox"/>					
CO ₂	Comparison of CO ₂ from fuel combustion:	<input type="checkbox"/>	Worksheet 1-1	Percentage of difference	-100,00			Explanation of differences	<input type="checkbox"/>
Recalculation:	CO ₂	<input type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	CH ₄	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	N ₂ O	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	HFCs, PFCs, SF ₆	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Explanations:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Recalculation tables for all recalculated years:				<input type="checkbox"/>				
Full CRF for the recalculated base year:				<input type="checkbox"/>					
HFCs, PFCs, SF ₆ :	Disaggregation by species:	<input checked="" type="checkbox"/>	HFCs	PFCs	SF6				
	Production of Halocarbons/SF ₆ :	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
	Consumption of Halocarbons/SF ₆ :		Actual	Potential	Actual	Potential	Actual	Potential	
	Potential/Actual emission ratio:	<input type="checkbox"/>	0,00	<input type="checkbox"/>	0,00	<input type="checkbox"/>	<input type="checkbox"/>	0,00	
Reference to National Inventory Report and/or national inventory web site:	http://www.dmu.dk/1_english/1_viden/2_Miljoe-tilstand/3_lufv/4_adaei/default.asp								

CRF - Common Reporting Format.
LUCF - Land-Use Change and Forestry.

⁽¹⁾ For each omission, give an explanation for the reasons by inserting a comment to the corresponding cell.

Appendix 1.1

Annual emission inventories 1996

CRF tables for Denmark

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 1 of 2)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Energy	72,530,35	30,61	3,64	293,85	641,73	108,39	179,56
A. Fuel Combustion Activities (Sectoral Approach)	72,152,76	13,18	3,63	291,94	596,62	95,10	176,67
1. Energy Industries	44,379,19	1,61	1,43	129,05	10,77	1,83	144,87
a. Public Electricity and Heat Production	42,044,46	1,51	1,39	122,82	10,24	1,73	143,73
b. Petroleum Refining	1,395,99	0,04	0,03	2,48	0,31	0,04	1,13
c. Manufacture of Solid Fuels and Other Energy Industries	938,74	0,07	0,02	3,75	0,21	0,07	0,00
2. Manufacturing Industries and Construction	6,331,96	0,74	0,39	24,54	15,73	4,21	11,69
a. Iron and Steel	0,00	0,00	0,00				
b. Non-Ferrous Metals	0,00	0,00	0,00				
c. Chemicals	0,00	0,00	0,00				
d. Pulp, Paper and Print	0,00	0,00	0,00				
e. Food Processing, Beverages and Tobacco	0,00	0,00	0,00				
f. Other (<i>please specify</i>)	6,331,96	0,74	0,39	24,54	15,73	4,21	11,69
Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.							
				24,54	15,73	4,21	11,69
3. Transport	11,989,66	3,11	1,14	101,27	393,60	70,11	6,63
a. Civil Aviation	189,58	0,01	0,01	0,91	1,14	0,19	0,01
b. Road Transportation	10,858,17	3,02	1,07	86,52	383,04	64,89	1,91
c. Railways	301,30	0,02	0,01	2,81	0,46	0,18	0,10
d. Navigation	640,61	0,06	0,05	11,01	8,97	4,85	4,62
e. Other Transportation (<i>please specify</i>)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 2 of 2)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
4. Other Sectors	9,276,03	7,72	0,67	36,23	175,88	18,83	13,46
a. Commercial/Institutional	1,450,98	0,35	0,04	1,49	5,93	0,43	1,39
b. Residential	5,462,62	6,50	0,18	5,16	144,40	12,42	5,86
c. Agriculture/Forestry/Fisheries	2,362,42	0,87	0,46	29,58	25,55	5,98	6,21
5. Other (please specify) ⁽¹⁾	175,92	0,01	0,01	0,85	0,64	0,12	0,02
a. Stationary	0,00	0,00	0,00	0,00	0,00	0,00	0,00
b. Mobile	175,92	0,01	0,01	0,85	0,64	0,12	0,02
Emissions from military combustion of fuels.							
	175,92	0,01	0,01	0,85	0,64	0,12	0,02
B. Fugitive Emissions from Fuels	377,59	17,42	0,01	1,91	45,11	13,29	2,89
1. Solid Fuels	0,00	6,27	0,00	0,00	43,87	0,00	0,00
a. Coal Mining	0,00	0,00					
b. Solid Fuel Transformation	0,00	0,00					
c. Other (please specify)	0,00	6,27	0,00	0,00	43,87	0,00	0,00
Storage of solid fuel.							
					43,87		
2. Oil and Natural Gas	377,59	11,15	0,01	1,91	1,24	13,29	2,89
a. Oil	0,00	0,06				9,09	2,61
b. Natural Gas	0,00	10,08				3,66	0,00
c. Venting and Flaring	377,59	1,01	0,01	1,91	1,24	0,54	0,27
Venting	0,00	0,00					0,22
Flaring	377,59	1,01	0,01	1,91	1,24	0,54	0,06
d. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items: ⁽²⁾							
International Bunkers	6,806,56	0,15	0,38	139,98	13,13	3,92	72,03
Aviation	1,986,36	0,04	0,08	8,00	1,91	0,38	0,13
Marine	4,820,20	0,11	0,30	131,98	11,23	3,53	71,90
Multilateral Operations	0,00	0,00	0,00				
CO₂ Emissions from Biomass	6,070,69						

⁽¹⁾ Include military fuel use under this category.

⁽²⁾ Please do not include in energy totals.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 1 of 4)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	(⁽¹⁾)	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A. Fuel Combustion	982.302,87	NCV				72.152,76	13,18	3,63
Liquid Fuels	391.578,42	NCV	70,92	10,75	5,45	27.769,24	4,21	2,13
Solid Fuels	374.033,88	NCV	95,03	2,05	3,00	35.545,60	0,77	1,12
Gaseous Fuels	154.845,21	NCV	56,88	4,54	1,00	8.807,89	0,70	0,15
Biomass	61.432,69	NCV	98,82	121,44	3,63 ⁽³⁾	6.070,69	7,46	0,22
Other Fuels	412,69	NCV	72,78	105,82	0,51	30,04	0,04	0,00
I.A.1. Energy Industries	571.336,06	NCV				44.379,19	1,61	1,43
Liquid Fuels	103.395,88	NCV	60,36	1,92	1,32	6.240,88	0,20	0,14
Solid Fuels	358.011,15	NCV	95,00	1,52	3,00	34.011,06	0,54	1,07
Gaseous Fuels	72.540,60	NCV	56,90	4,47	1,00	4.127,25	0,32	0,07
Biomass	37.388,43	NCV	98,15	14,58	3,92 ⁽³⁾	3.669,65	0,55	0,15
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Public Electricity and Heat Production	531.156,99	NCV				42.044,46	1,51	1,39
Liquid Fuels	79.635,27	NCV	60,78	2,05	1,39	4.840,37	0,16	0,11
Solid Fuels	358.011,15	NCV	95,00	1,52	3,00	34.011,06	0,54	1,07
Gaseous Fuels	56.122,13	NCV	56,89	4,60	1,00	3.193,04	0,26	0,06
Biomass	37.388,43	NCV	98,15	14,58	3,92 ⁽³⁾	3.669,65	0,55	0,15
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Petroleum Refining	23.692,46	NCV				1.395,99	0,04	0,03
Liquid Fuels	23.692,46	NCV	58,92	1,48	1,10	1.395,99	0,04	0,03
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Manufacture of Solid Fuels and Other Energy Industries	16.486,62	NCV				938,74	0,07	0,02
Liquid Fuels	68,15	NCV	66,48	1,00	1,16	4,53	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	16.418,47	NCV	56,90	4,00	1,00	934,21	0,07	0,02
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

(1)

(2) Accurate estimation of CH₄ and N₂O emissions depends on combustion conditions, technology, and emission control policy, as well as fuel characteristics. Therefore, caution should be used when comparing the implied emission factors.

(3) Carbon dioxide emissions from biomass are reported under Memo Items. The content of the cells is not included in the totals.

Note: For the coverage of fuel categories, please refer to the IPCC Guidelines (Volume 1. Reporting Instructions - Common Reporting Framework, section 1.2, p. 1.19). If some derived gases (e.g. gas work gas, coke oven gas, blast gas, oxygen steel furnace gas, etc.) are considered, Parties should provide information on the allocation of these derived gases under the above fuel categories (liquid, solid, gaseous, biomass, other fuels) in the documentation box at the end of sheet 4 of this table.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 2 of 4)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.2 Manufacturing Industries and Construction	91,306.41	NCV				6,331.96	0.74	0.39
Liquid Fuels	39,720.23	NCV	78.23	6.66	7.36	3,107.40	0.26	0.29
Solid Fuels	14,358.87	NCV	95.83	13.88	3.00	1,375.99	0.20	0.04
Gaseous Fuels	32,487.94	NCV	56.90	4.00	1.00	1,848.56	0.13	0.03
Biomass	4,739.37	NCV	100.93	31.34	3.93 ⁽³⁾	478.36	0.15	0.02
Other Fuels	0.00	NCV	0.00	0.00	0.00	0.00	0.00	0.00
a. Iron and Steel	0.00	NCV				0.00	0.00	0.00
Liquid Fuels	0.00	NCV	0.00	0.00	0.00			
Solid Fuels	0.00	NCV	0.00	0.00	0.00			
Gaseous Fuels	0.00	NCV	0.00	0.00	0.00			
Biomass	0.00	NCV	0.00	0.00	0.00 ⁽³⁾			
Other Fuels	0.00	NCV	0.00	0.00	0.00			
b. Non-Ferrous Metals	0.00	NCV				0.00	0.00	0.00
Liquid Fuels	0.00	NCV	0.00	0.00	0.00			
Solid Fuels	0.00	NCV	0.00	0.00	0.00			
Gaseous Fuels	0.00	NCV	0.00	0.00	0.00			
Biomass	0.00	NCV	0.00	0.00	0.00 ⁽³⁾			
Other Fuels	0.00	NCV	0.00	0.00	0.00			
c. Chemicals	0.00	NCV				0.00	0.00	0.00
Liquid Fuels	0.00	NCV	0.00	0.00	0.00			
Solid Fuels	0.00	NCV	0.00	0.00	0.00			
Gaseous Fuels	0.00	NCV	0.00	0.00	0.00			
Biomass	0.00	NCV	0.00	0.00	0.00 ⁽³⁾			
Other Fuels	0.00	NCV	0.00	0.00	0.00			
d. Pulp, Paper and Print	0.00	NCV				0.00	0.00	0.00
Liquid Fuels	0.00	NCV	0.00	0.00	0.00			
Solid Fuels	0.00	NCV	0.00	0.00	0.00			
Gaseous Fuels	0.00	NCV	0.00	0.00	0.00			
Biomass	0.00	NCV	0.00	0.00	0.00 ⁽³⁾			
Other Fuels	0.00	NCV	0.00	0.00	0.00			
e. Food Processing, Beverages and Tobacco	0.00	NCV				0.00	0.00	0.00
Liquid Fuels	0.00	NCV	0.00	0.00	0.00			
Solid Fuels	0.00	NCV	0.00	0.00	0.00			
Gaseous Fuels	0.00	NCV	0.00	0.00	0.00			
Biomass	0.00	NCV	0.00	0.00	0.00 ⁽³⁾			
Other Fuels	0.00	NCV	0.00	0.00	0.00			
f. Other (please specify)	91,306.41	NCV				6,331.96	0.74	0.39
Liquid Fuels	39,720.23	NCV	78.23	6.66	7.36	3,107.40	0.26	0.29
Solid Fuels	14,358.87	NCV	95.83	13.88	3.00	1,375.99	0.20	0.04
Gaseous Fuels	32,487.94	NCV	56.90	4.00	1.00	1,848.56	0.13	0.03
Biomass	4,739.37	NCV	100.93	31.34	3.93 ⁽³⁾	478.36	0.15	0.02
Other Fuels	0.00	NCV	0.00	0.00	0.00	0.00	0.00	0.00

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 3 of 4)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.3 Transport	163.147,80	NCV				11.989,66	3,11	1,14
Gasoline	84.892,36	NCV	72,97	31,29	9,68	6.194,63	2,66	0,82
Diesel	77.842,75	NCV	74,06	5,20	4,04	5.764,99	0,40	0,31
Natural Gas	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾	0,00	0,00	0,00
Other Fuels	412,69	NCV	72,78	105,82	0,51	30,04	0,04	0,00
a. Civil Aviation	2.631,42	NCV				189,58	0,01	0,01
Aviation Gasoline	121,42	NCV	73,00	21,90	2,00	8,86	0,00	0,00
Jet Kerosene	2.510,00	NCV	72,00	1,75	3,95	180,72	0,00	0,01
b. Road Transportation	147.845,02	NCV				10.858,17	3,02	1,07
Gasoline	82.260,94	NCV	73,00	32,21	9,87	6.005,05	2,65	0,81
Diesel Oil	65.572,83	NCV	74,00	5,65	3,97	4.852,39	0,37	0,26
Natural Gas	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels (please specify)	11,25	NCV				0,73	0,00	0,00
LPG		NCV	0,00	0,00	0,00			
	11,25	NCV	65,00	24,79	0,00	0,73	0,00	0,00
c. Railways	4.071,75	NCV				301,30	0,02	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Liquid Fuels	4.071,75	NCV	74,00	4,82	2,06	301,30	0,02	0,01
Other Fuels (please specify)	0,00	NCV				0,00	0,00	0,00
	0,00	NCV	0,00	0,00	0,00			
d. Navigation	8.599,60	NCV				640,61	0,06	0,05
Coal	0,00	NCV	0,00	0,00	0,00			
Residual Oil	1.159,67	NCV	78,00	1,76	4,89	90,45	0,00	0,01
Gas/Diesel Oil	7.038,50	NCV	74,00	1,79	5,68	520,85	0,01	0,04
Other Fuels (please specify)	401,43	NCV				29,30	0,04	0,00
Kerosene, Gasoline, LPG		NCV	0,00	0,00	0,00			
	401,43	NCV	73,00	108,10	0,52	29,30	0,04	0,00
e. Other Transportation	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 4 of 4)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	(¹)	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.4 Other Sectors	156,512.61	NCV				9,276.03	7.72	0.67
Liquid Fuels	85,727.20	NCV	73.32	7.89	6.56	6,285.41	0.68	0.56
Solid Fuels	1,663.86	NCV	95.29	14.27	3.00	158.55	0.02	0.00
Gaseous Fuels	49,816.67	NCV	56.85	5.00	1.00	2,832.08	0.25	0.05
Biomass	19,304.89	NCV	99.60	350.52	2.99 ⁽³⁾	1,922.68	6.77	0.06
Other Fuels	0.00	NCV	0.00	0.00	0.00	0.00	0.00	0.00
a. Commercial/Institutional	27,086.94	NCV				1,450.98	0.35	0.04
Liquid Fuels	9,025.01	NCV	65.00	5.47	1.66	586.60	0.05	0.01
Solid Fuels	41.68	NCV	95.02	14.87	3.00	3.96	0.00	0.00
Gaseous Fuels	15,134.94	NCV	56.85	5.00	1.00	860.42	0.08	0.02
Biomass	2,885.30	NCV	86.91	77.71	2.96 ⁽³⁾	250.77	0.22	0.01
Other Fuels	0.00	NCV	0.00	0.00	0.00	0.00	0.00	0.00
b. Residential	95,362.81	NCV				5,462.62	6.50	0.18
Liquid Fuels	50,694.90	NCV	74.09	8.75	1.99	3,756.22	0.44	0.10
Solid Fuels	168.91	NCV	97.75	8.34	3.00	16.51	0.00	0.00
Gaseous Fuels	29,725.42	NCV	56.85	5.00	1.00	1,689.89	0.15	0.03
Biomass	14,773.58	NCV	101.97	399.73	3.00 ⁽³⁾	1,506.45	5.91	0.04
Other Fuels	0.00	NCV	0.00	0.00	0.00			
c. Agriculture/Forestry/Fisheries	34,062.85	NCV				2,362.42	0.87	0.46
Liquid Fuels	26,007.28	NCV	74.69	7.04	17.16	1,942.58	0.18	0.45
Solid Fuels	1,453.26	NCV	95.01	14.94	3.00	138.07	0.02	0.00
Gaseous Fuels	4,956.31	NCV	56.85	5.00	1.00	281.77	0.02	0.00
Biomass	1,646.00	NCV	100.52	387.02	2.93 ⁽³⁾	165.46	0.64	0.00
Other Fuels	0.00	NCV	0.00	0.00	0.00			
I.A.5 Other (Not elsewhere specified) ⁽⁴⁾	0.00	NCV				175.92	0.01	0.01
Liquid Fuels	0.00	NCV	0.00	0.00	0.00	175.92	0.01	0.01
Solid Fuels	0.00	NCV	0.00	0.00	0.00			
Gaseous Fuels	0.00	NCV	0.00	0.00	0.00			
Biomass	0.00	NCV	0.00	0.00	0.00 ⁽³⁾			
Other Fuels	0.00	NCV	0.00	0.00	0.00			

⁽⁴⁾ Include military fuel use under this category.

Documentation Box:

I.A.2f note: Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.

TABLE 1.A(b) SECTORAL BACKGROUND DATA FOR ENERGY
CO₂ from Fuel Combustion Activities - Reference Approach (IPCC Worksheet 1-1)
(Sheet 1 of 1)

Denmark
1996
April 11, 2001

FUEL TYPES			Unit	Production	Imports	Exports	International bunkers	Stock change	Apparent consumption	Conversion factor ⁽¹⁾ (TJ/Unit)	⁽¹⁾	Apparent consumption (TJ)	Carbon emission factor (t C/TJ)	Carbon content (Gg C)	Carbon stored (Gg C)	Net carbon emissions (Gg C)	Fraction of carbon oxidized	Actual CO ₂ emissions (Gg CO ₂)	
Liquid Fossil	Primary Fuels	Crude Oil							0,00		NCV	0,00		0,00		0,00		0,00	
		Orimulsion							0,00		NCV	0,00		0,00		0,00		0,00	
		Natural Gas Liquids							0,00		NCV	0,00		0,00		0,00		0,00	
	Secondary Fuels	Gasoline								0,00		NCV	0,00		0,00		0,00		0,00
		Jet Kerosene								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Other Kerosene								0,00		NCV	0,00		0,00		0,00		0,00
		Shale Oil								0,00		NCV	0,00		0,00		0,00		0,00
		Gas / Diesel Oil								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Residual Fuel Oil								0,00		NCV	0,00		0,00		0,00		0,00
		LPG								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Ethane								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Naphtha								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Bitumen								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Lubricants								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Petroleum Coke								0,00		NCV	0,00		0,00		0,00		0,00
		Refinery Feedstocks								0,00		NCV	0,00		0,00		0,00		0,00
		Other Oil								0,00		NCV	0,00		0,00		0,00		0,00
Liquid Fossil Totals												0,00		0,00	0,00	0,00		0,00	
Solid Fossil	Primary Fuels	Anthracite ⁽²⁾							0,00		NCV	0,00		0,00		0,00		0,00	
		Coking Coal							0,00		NCV	0,00		0,00	0,00	0,00		0,00	
		Other Bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Sub-bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Lignite							0,00		NCV	0,00		0,00		0,00		0,00	
		Oil Shale							0,00		NCV	0,00		0,00		0,00		0,00	
	Peat							0,00		NCV	0,00		0,00		0,00		0,00		
	Secondary Fuels	BKB & Patent Fuel							0,00		NCV	0,00		0,00		0,00		0,00	
		Coke Oven/Gas Coke							0,00		NCV	0,00		0,00		0,00		0,00	
Solid Fuel Totals												0,00		0,00	0,00	0,00		0,00	
Gaseous Fossil	Natural Gas (Dry)							0,00		NCV	0,00		0,00	0,00	0,00	0,00		0,00	
Total												0,00		0,00	0,00	0,00		0,00	
Biomass total												0,00		0,00	0,00	0,00		0,00	
	Solid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Liquid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Gas Biomass								0,00		NCV	0,00		0,00		0,00		0,00	

⁽¹⁾ To convert quantities expressed in natural units to energy units, use net calorific values (NCV). If gross calorific values (GCV) are used in this table, please indicate this by replacing "NCV" with "GCV" in this column.

⁽²⁾ If Anthracite is not separately available, include with Other Bituminous Coal.

TABLE 1.A(c) COMPARISON OF CO₂ EMISSIONS FROM FUEL COMBUSTION
(Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

FUEL TYPES	Reference approach		National approach ⁽¹⁾		Difference ⁽²⁾	
	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (%)	CO ₂ emissions (%)
Liquid Fuels (excluding international bunkers)	0,00	0,00	391,58	27.769,24	-100,00	-100,00
Solid Fuels (excluding international bunkers)	0,00	0,00	374,03	35.545,60	-100,00	-100,00
Gaseous Fuels	0,00	0,00	154,85	8.807,89	-100,00	-100,00
Other ⁽³⁾			0,41	30,04	-100,00	-100,00
Total ⁽³⁾	0,00	0,00	920,87	72.152,76	-100,00	-100,00

⁽¹⁾ "National approach" is used to indicate the approach (if different from the Reference approach) followed by the Party to estimate its CO₂ emissions from fuel combustion reported in the national GHG inventory.

⁽²⁾ Difference of the Reference approach over the National approach (i.e. difference = 100% x ((RA-NA)/NA), where NA = National approach and RA = Reference approach).

⁽³⁾ Emissions from biomass are not included.

Note: In addition to estimating CO₂ emissions from fuel combustion by sector, Parties should also estimate these emissions using the IPCC Reference approach, as found in the IPCC Guidelines, Worksheet 1-1(Volume 2. Workbook). The Reference approach is to assist in verifying the sectoral data. Parties should also complete the above tables to compare the alternative estimates, and if the emission estimates lie more than 2 percent apart, should explain the source of this difference in the documentation box provided.

Documentation Box:

TABLE 1.A(d) SECTORAL BACKGROUND DATA FOR ENERGY
Feedstocks and Non-Energy Use of Fuels
(Sheet 1 of 1)

Denmark

1996

April 11, 2001

FUEL TYPE ⁽¹⁾	ACTIVITY DATA AND RELATED INFORMATION		IMPLIED EMISSION FACTOR	ESTIMATE
	Fuel quantity (TJ)	Fraction of carbon stored	Carbon emission factor (t C/TJ)	of carbon stored in non energy use of fuels (Gg C)
Naphtha ⁽²⁾			0,00	
Lubricants			0,00	
Bitumen			0,00	
Coal Oils and Tars (from Coking Coal)			0,00	
Natural Gas ⁽²⁾			0,00	
Gas/Diesel Oil ⁽²⁾			0,00	
LPG ⁽²⁾			0,00	
Butane ⁽²⁾			0,00	
Ethane ⁽²⁾			0,00	
Other (please specify) <input type="checkbox"/>				
			0,00	

Additional information ^(a)

CO ₂ not emitted (Gg CO ₂)	Subtracted from energy sector (specify source category)
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	

⁽¹⁾ Where fuels are used in different industries, please enter in different rows.

⁽²⁾ Enter these fuels when they are used as feedstocks.

^(a) The fuel lines continue from the table to the left.

Note: The table is consistent with the IPCC Guidelines. Parties that take into account the emissions associated with the use and disposal of these feedstocks could continue to use their methodology, and provide explanation notes in the documentation box below.

Documentation box: A fraction of energy carriers is stored in such products as plastics or asphalt. The non-stored fraction of the carbon in the energy carrier or product is oxidized, resulting in carbon dioxide emissions, either during the use of the energy carriers in the industrial production (e.g. fertilizer production), or during the use of the products (e.g. solvents, lubricants), or in both (e.g. monomers). To report associated emissions use the above table, filling an extra "Additional information" table, as shown below.	
Associated CO ₂ emissions (Gg)	Allocated under <input type="checkbox"/> ^(a) e.g. Industrial Processes, Waste Incineration, etc. (Specify source category) ^(a)

TABLE 1.B.1 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Solid Fuels
(Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTOR		EMISSIONS	
	Amount of fuel produced ⁽¹⁾ (Mt)	CH ₄ (kg/t)	CO ₂ (kg/t)	CH ₄ (Gg)	CO ₂ (Gg)
I. B. 1. a. Coal Mining and Handling	0,00			0,00	0,00
i. Underground Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
ii. Surface Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
I. B. 1. b. Solid Fuel Transformation	0,00	0,00	0,00		
I. B. 1. c. Other (please specify) ⁽³⁾ <input type="button" value=""/>				6,27	0,00
Storage of solid fuel.		0,00	0,00		
	12,94	0,48	0,00	6,27	

Additional information ^(a)

Description	Value
Amount of CH ₄ drained (recovered) and utilized or flared (Gg)	
Number of active underground mines	
Number of mines with drainage (recovery) systems	

^(a) For underground mines.

⁽¹⁾ Use the documentation box to specify whether the fuel amount is based on the run-of-mine (ROM) production or on the saleable production.

⁽²⁾ Emissions both for Mining Activities and Post-Mining Activities are calculated with the activity data in lines Underground Mines and Surface Mines respectively.

⁽³⁾ Please click on the button to enter any other solid fuel related activities resulting in fugitive emissions, such as emissions from abandoned mines and waste piles.

Note: There are no clear references to the coverage of I.B.1.b. and I.B.1.c. in the IPCC Guidelines. Make sure that the emissions entered here are not reported elsewhere. If they are reported under another source category, indicate this (IE) and make a reference in Table 9 (completeness) and/or in the documentation box.

Documentation box:

TABLE 1.B.2 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Oil and Natural Gas
(Sheet 1 of 1)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA			IMPLIED EMISSION FACTORS			EMISSIONS		
	Description ⁽¹⁾	Unit	Value	CO ₂ (kg/unit) ⁽²⁾	CH ₄ (kg/unit) ⁽²⁾	N ₂ O (kg/unit) ⁽²⁾	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
1. B. 2. a. Oil ⁽³⁾							0,00	0,06	
i. Exploration	(e.g. number of wells drilled)		0,00	0,00	0,00				
ii. Production ⁽⁴⁾	(e.g. PJ of oil produced)		0,00	0,00	0,00				
iii. Transport	(e.g. PJ oil loaded in tankers)		0,00	0,00	0,00				
iv. Refining / Storage	(e.g. PJ oil refined)		0,00	0,00	0,00				
v. Distribution of oil products	(e.g. PJ oil refined)	Mg product	2.006.998	0,00	0,00			0,00	
vi. Other		Mg Crude	10.526.171	0,00	0,01			0,06	
1. B. 2. b. Natural Gas							0,00	10,08	
Exploration				0,00	0,00				
i. Production ⁽⁴⁾ / Processing	(e.g. PJ gas produced)	1000 m3	2.500.000	0,00	0,65			1,63	
ii. Transmission	(e.g. PJ gas consumed)	1000 m3	3.800.001	0,00	2,22			8,45	
Distribution	(e.g. PJ gas consumed)			0,00	0,00				
iii. Other Leakage	(e.g. PJ gas consumed)			0,00	0,00				
at industrial plants and power stations				0,00	0,00				
in residential and commercial sectors				0,00	0,00				
1. B. 2. c. Venting ⁽⁵⁾							0,00	0,00	
i. Oil	(e.g. PJ oil produced)			0,00	0,00				
ii. Gas	(e.g. PJ gas produced)			0,00	0,00				
iii. Combined				0,00	0,00				
Flaring							377,59	1,01	0,01
i. Oil	(e.g. PJ gas consumption)	GJ	411.788	56,90	0,00	0,00	23,43		0,00
ii. Gas	(e.g. PJ gas consumption)	GJ	6.224.212	56,90	0,16	0,00	354,16	1,01	0,01
iii. Combined				0,00	0,00	0,00			
1.B.2.d. Other (please specify) ⁽⁶⁾				0,00	0,00	0,00	0,00	0,00	0,00

Additional information

Description	Value	Unit
Pipelines length (km)		
Number of oil wells		
Number of gas wells		
Gas throughput ^(a)		
Oil throughput ^(a)		
Other relevant information (specify)		

^(a) In the context of oil and gas production, throughput is a measure of the total production, such as barrels per day of oil, or cubic meters of gas per year. Specify the units of the reported value in the unit column. Take into account that these values should be consistent with the activity data reported under the production rows of the main table.

⁽¹⁾ Specify the activity data used and fill in the activity data description column, as given in the examples in brackets. Specify the unit of the activity data in the unit column. Use the document box to specify whether the fuel amount is based on the raw material production or on the saleable production. Note cases where more than one variable is used as activity data.

⁽²⁾ The unit of the implied emission factor will depend on the units of the activity data used, and is therefore not specified in this column. The unit of the implied emission factor for each activity will be kg/unit of activity data.

⁽³⁾ Use the category also to cover emissions from combined oil and gas production fields. Natural gas processing and distribution from these fields should be included under 1.B.2.b.ii and 1.B.2.b.iii, respectively.

⁽⁴⁾ If using default emission factors these categories will include emissions from production other than venting and flaring.

⁽⁵⁾ If using default emission factors, emissions from Venting and Flaring from all oil and gas production should be accounted for here. Parties using the IPCC software could report those emissions together, indicating so in the documentation box.

⁽⁶⁾ For example, fugitive CO₂ emissions from production of geothermal power could be reported here.

Documentation box:

TABLE 1.C SECTORAL BACKGROUND DATA FOR ENERGY
International Bunkers and Multilateral Operations
 (Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS			EMISSIONS		
	Consumption (TJ)	CO ₂ (t/TJ)	CH ₄ (kg/TJ)	N ₂ O (kg/TJ)	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Marine Bunkers	63,194,06				4,820,20	0,11	0,30
Gasoline	0,00	0,00	0,00	0,00			
Gas/Diesel Oil	27,235,00	74,00	1,69	4,68	2,015,39	0,05	0,13
Residual Fuel Oil	35,959,06	78,00	1,76	4,89	2,804,81	0,06	0,18
Lubricants	0,00	0,00	0,00	0,00			
Coal	0,00	0,00	0,00	0,00			
Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
		0,00	0,00	0,00			
Aviation Bunkers	27,588,26				1,986,36	0,04	0,08
Jet Kerosene	27,578,92	72,00	1,43	2,93	1,985,68	0,04	0,08
Gasoline	9,35	73,00	21,94	2,03	0,68	0,00	0,00
Multilateral Operations ⁽¹⁾							

Additional information

Fuel consumption	Allocation ^(a) (percent)	
	Domestic	International
Marine	11,98	88,02
Aviation	8,71	91,29

^(a) For calculating the allocation of fuel consumption, use the sums of fuel consumption by domestic navigation and aviation (Table 1.A(a)) and by international bunkers (Table 1.C).

⁽¹⁾ Parties may choose to report or not report the activity data and emission factors for multilateral operation consistent with the principle of confidentiality stated in the UNFCCC reporting guidelines on inventories. In any case, Parties should report the emissions from multilateral operations, where available, under the Memo Items section of the Summary tables and in the Sectoral report table for energy.

Note: In accordance with the IPCC Guidelines, international aviation and marine bunker fuel emissions from fuel sold to ships or aircraft engaged in international transport should be excluded from national totals and reported separately for informational purposes only.

Documentation box: Please explain how the consumption of international marine and aviation bunkers fuels was estimated and separated from the domestic consumption.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 1 of 2)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
Total Industrial Processes	1,388,14	0,00	0,00	1,393,18	278,30	21,00	0,00	0,01	0,00	0,50	0,00	0,06	0,08
A. Mineral Products	1,388,14	0,00	0,00							0,00	0,00	0,00	0,00
1. Cement Production	1,282,06												
2. Lime Production	106,07												
3. Limestone and Dolomite Use	0,00												
4. Soda Ash Production and Use	0,00												
5. Asphalt Roofing	0,00												
6. Road Paving with Asphalt	0,00												
7. Other (please specify)	0,00	0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,50	0,00	0,00	0,08
1. Ammonia Production	0,00	0,00											
2. Nitric Acid Production			0,00							0,50			
3. Adipic Acid Production			0,00										
4. Carbide Production	0,00	0,00											
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,08
C. Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Iron and Steel Production	0,00	0,00											
2. Ferroalloys Production	0,00	0,00											
3. Aluminium Production	0,00	0,00					0,00						
4. SF ₆ Used in Aluminium and Magnesium Foundries									0,00				
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

methods exist for both tiers.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 2 of 2)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
D. Other Production	0,00									0,00	0,00	0,06	0,00
1. Pulp and Paper													
2. Food and Drink ⁽²⁾	0,00											0,06	
E. Production of Halocarbons and SF₆					0,00		0,00		0,00				
1. By-product Emissions					0,00		0,00		0,00				
Production of HCFC-22					0,00								
Other					0,00		0,00		0,00				
2. Fugitive Emissions					0,00		0,00		0,00				
3. Other (please specify)					0,00		0,00		0,00				
F. Consumption of Halocarbons and SF₆				1.393,18	278,30	21,00	0,00	0,01	0,00				
1. Refrigeration and Air Conditioning Equipment				894,70	118,29	21,00	0,00		0,00				
2. Foam Blowing				498,48	160,01		0,00		0,00				
3. Fire Extinguishers					0,00		0,00		0,00				
4. Aerosols/ Metered Dose Inhalers					0,00		0,00		0,00				
5. Solvents					0,00		0,00		0,00				
6. Semiconductor Manufacture					0,00		0,00		0,00				
7. Electrical Equipment								0,00	0,00				
8. Other (please specify)				0,00	0,00	0,00	0,00	0,01	0,00				
Emissions of SF ₆ from (1) window plate production, (2) research laboratories and (3) running shoes.													
								0,01	0,00				
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	0,00												

⁽²⁾ CO₂ from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO₂ emissions of non-biogenic origin should be reported.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
 (Sheet 1 of 2)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
A. Mineral Products						1,388,14		0,00		0,00	
1. Cement Production	<i>(e.g. cement or clinker production)</i>	2,418,99	0,53			1,282,06					
2. Lime Production		194,33	0,55			106,07					
3. Limestone and Dolomite Use		0,00	0,00								
4. Soda Ash						0,00					
Soda Ash Production		0,00	0,00								
Soda Ash Use			0,00								
5. Asphalt Roofing		0,00	0,00								
6. Road Paving with Asphalt		0,00	0,00								
7. Other <i>(please specify)</i>						0,00		0,00		0,00	
Glass Production			0,00								
		0,00	0,00	0,00	0,00						
B. Chemical Industry						0,00		0,00		0,00	
1. Ammonia Production ⁽³⁾		0,00	0,00	0,00	0,00						
2. Nitric Acid Production		360,00			0,00						
3. Adipic Acid Production		0,00			0,00						
4. Carbide Production			0,00	0,00		0,00		0,00			
Silicon Carbide		0,00	0,00	0,00							
Calcium Carbide			0,00	0,00							
5. Other <i>(please specify)</i>						0,00		0,00		0,00	
Carbon Black				0,00							
Ethylene			0,00	0,00	0,00						
Dichloroethylene				0,00							
Styrene				0,00							
Methanol				0,00							
		55,00	0,00	0,00	0,00						

⁽¹⁾ Where the IPCC Guidelines provide options for activity data, e.g. cement or clinker for estimating the emissions from Cement Production, specify the activity data used (as shown in the example in brackets) in order to make the choice of emission factor more transparent and to facilitate comparisons of implied emission factors.

⁽²⁾ Enter cases in which the final emissions are reduced with the quantities of emission recovery, oxidation, destruction, transformation. Adjusted emissions are reported and the quantitative information on recovery, oxidation, destruction, and transformation should be given in the additional columns provided.

⁽³⁾ To avoid double counting make offsetting deductions from fuel consumption (e.g. natural gas) in Ammonia Production, first for feedstock use of the fuel, and then to a sequestering use of the feedstock.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
(Sheet 2 of 2)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption Quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
C. Metal Production⁽⁴⁾						0,00		0,00		0,00	
1. Iron and Steel Production		0,00	0,00			0,00		0,00			
Steel		0,00	0,00								
Pig Iron		0,00	0,00	0,00							
Sinter		0,00	0,00	0,00							
Coke		0,00	0,00	0,00							
Other (please specify) <input type="checkbox"/>						0,00		0,00			
		0,00	0,00	0,00	0,00						
2. Ferroalloys Production		0,00	0,00	0,00							
3. Aluminium Production		0,00	0,00	0,00							
4. SF ₆ Used in Aluminium and Magnesium Foundries											
5. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00						
D. Other Production						0,00					
1. Pulp and Paper											
2. Food and Drink			0,00								
G. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00	0,00					

⁽⁴⁾ More specific information (e.g. data on virgin and recycled steel production) could be provided in the documentation box.

Note: In case of confidentiality of the activity data information, the entries should provide aggregate figures but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 1 of 2)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs ⁽¹⁾	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs ⁽¹⁾	SF ₆
	(t) ⁽²⁾																						
Total Actual Emissions of Halocarbons (by chemical) and SF₆	0,00	1,50	0,00	0,00	15,70	0,00	134,93	32,16	0,00	14,07	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		2,55
C. Metal Production															0,00	0,00							0,40
Aluminium Production															0,00	0,00							
SF ₆ Used in Aluminium Foundries																							0,00
SF ₆ Used in Magnesium Foundries																							0,40
E. Production of Halocarbons and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
1. By-product Emissions	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production of HCFC-22	0,00																						
Other																							
2. Fugitive Emissions																							
3. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
F(a). Consumption of Halocarbons and SF₆ (actual emissions - Tier 2)	0,00	1,50	0,00	0,00	15,70	0,00	134,93	32,16	0,00	14,07	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		2,15
1. Refrigeration and Air Conditioning Equipment		1,50			15,70		134,93	32,16		14,07							0,00						
2. Foam Blowing							119,64	32,00															
3. Fire Extinguishers																							
4. Aerosols/Metered Dose Inhalers																							
5. Solvents																							
6. Semiconductor Manufacture																							
7. Electrical Equipment																							0,18
8. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		1,97
Emissions of SF ₆ from (1) window plate production, (2) research laboratories and (3) running shoes.																							1,97
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00

⁽¹⁾ Although shaded, the columns with HFCs and PFCs totals on sheet 1 are kept for consistency with sheet 2 of the table.

⁽²⁾ Note that the units used in this table differ from those used in the rest of the Sectoral report tables, i.e. [t] instead of [Gg].

Note: Where information is confidential the entries should provide aggregate figures but there should be a note indicating this in the relevant documentation boxes of the Sectoral background data tables or as a comment to the corresponding cell. Gases with GWP not yet agreed upon by the COP, should be reported in Table 9 (Completeness), sheet 2.

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 2 of 2)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ea	Total HFCs	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs	SF ₆
	(t) ⁽²⁾																						
F(p). Total Potential Emissions of Halocarbons (by chemical) and SF₆ ⁽³⁾	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production ⁽⁴⁾																							
Import:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Export:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Destroyed amount																							
GWP values used	11700	650	150	1300	2800	1000	1300	140	300	3800	2900	6300	560		6500	9200	7000	7000	8700	7500	7400		23900
Total Actual Emissions ⁽⁶⁾ (Gg CO ₂ eq.)	0,00	0,97	0,00	0,00	43,95	0,00	175,41	4,50	0,00	53,46	0,00	0,00	0,00	278,30	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	60,99
C. Metal Production															0,00	0,00						0,00	9,56
E. Production of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F(a). Consumption of Halocarbons and SF ₆	0,00	0,97	0,00	0,00	43,95	0,00	175,41	4,50	0,00	53,46	0,00	0,00	0,00	278,30	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	51,43
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Ratio of Potential/Actual Emissions from Consumption of Halocarbons and SF₆																							
Actual emissions - F(a) (Gg CO ₂ eq.)	0,00	0,97	0,00	0,00	43,95	0,00	175,41	4,50	0,00	53,46	0,00	0,00	0,00	278,30	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	51,43
Potential emissions - F(p) (7) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential/Actual emissions ratio	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽³⁾ manner corresponding to the subsectors for actual emissions defined on sheet 1 of this table, these should be reported in an annex to sheet 2, using the format of sheet 1, sector F(a). Use Summary 3 of this common reporting format to indicate whether Tier 1a or Tier 1b was used.

⁽⁴⁾ Production refers to production of new chemicals. Recycled substances could be included here, but it should be ensured that double counting of emissions is avoided. Relevant explanations should be provided as a comment to the corresponding cell.

⁽⁵⁾ Relevant just for Tier 1b.

⁽⁶⁾ Sums of the actual emissions of each chemical of halocarbons and SF₆ from the source categories given in sheet 1 of the table multiplied by the corresponding GWP values.

⁽⁷⁾ Potential emissions of each chemical of halocarbons and SF₆ taken from row F(p) multiplied by the corresponding GWP values.

Note: As stated in the revised UNFCCC guidelines, Parties should report actual emissions of HFCs, PFCs and SF₆, where data are available, providing disaggregated data by chemical and source category in units of mass and in CO₂ equivalents. Parties reporting actual emissions should also report potential emissions for the sources where the concept of potential emissions applies, for reasons of transparency and comparability.

TABLE 2(II). C, E SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Metal Production; Production of Halocarbons and SF₆
(Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾ (kg/t)	EMISSIONS ⁽²⁾	
	Description ⁽¹⁾	(t)		(t)	⁽³⁾
C. PFCs and SF₆ from Metal Production					
PFCs from Aluminium Production					
CF ₄			0,00		
C ₂ F ₆			0,00		
SF ₆				0,40	
Aluminium Foundries	(SF ₆ consumption)		0,00		
Magnesium Foundries			0,00	0,40	
E. Production of Halocarbons and SF₆					
1. By-product Emissions					
Production of HCFC-22					
HFC-23			0,00		
Other (specify chemical) <input type="checkbox"/>			0,00		
2. Fugitive Emissions					
HFCs (specify chemical) <input type="checkbox"/>			0,00		
PFCs (specify chemical) <input type="checkbox"/>			0,00		
SF ₆			0,00		
3. Other (please specify) <input type="checkbox"/>			0,00		

⁽¹⁾ Specify the activity data used as shown in the examples within brackets. Where applying Tier 1b (for C), Tier 2 (for E) and country specific methods, specify any other relevant activity data used in the documentation box below.

⁽²⁾ Emissions and implied emission factors are after recovery.









⁽³⁾ Enter cases in which the final emissions are reported after subtracting the quantities of emission recovery, oxidation, destruction, transformation. Enter these quantities in the specified column and use the documentation box for further explanations.

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 1 of 2)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
1 Refrigeration									
Air Conditioning Equipment									
Domestic Refrigeration (<i>Specify chemical</i>) ⁽²⁾ 									
(e.g. HFC-32)									
(e.g. HFC-125)									
(e.g. HFC-134a)									
(e.g. HFC-152a)									
(e.g. HFC-143a)									
Commercial Refrigeration 									
Transport Refrigeration 									
Industrial Refrigeration 									
Stationary Air-Conditioning 									
Mobile Air-Conditioning 									
2 Foam Blowing									
Hard Foam 									
Soft Foam 									

⁽¹⁾ Parties should use the documentation box to provide information on the amount of the chemical recovered (recovery efficiency) and other relevant information used in the emission estimation.

⁽²⁾ Please click on the button to specify the chemical consumed, as given in the example. If needed, new rows could be added for reporting the disaggregated chemicals from a source by clicking on the corresponding button.

Note: Table 2.(II).F provides for reporting of the activity data and emission factors used to calculate actual emissions from consumption of halocarbons and SF₆ using the "bottom-up approach" (based on the total stock of equipment and estimated emission rates from this equipment). Some Parties may prefer to estimate their actual emissions following the alternative "top-down approach" (based on annual sales of equipment and/or gas). These Parties should provide the activity data used in the current format and any other relevant information in the documentation box at the end of Table2(II)Fs2. Data these Parties should provide includes (1) the amount of fluid used to fill new products, (2) the amount of fluid used to service existing products, (3) the amount of fluid originally used to fill retiring products (the total nameplate capacity of retiring products), (4) the product lifetime, and (5) the growth rate of product sales, if this has been used to calculate the amount of fluid originally used to fill retiring products. Alternatively, Parties may provide alternative formats with equivalent information. These formats may be considered for future versions of the common reporting format after the trial period.

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 2 of 2)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
3 Fire Extinguishers <input type="checkbox"/>									
4 Aerosols									
Metered Dose Inhalers <input type="checkbox"/>									
Other <input type="checkbox"/>									
5 Solvents <input type="checkbox"/>									
6 Semiconductors <input type="checkbox"/>									
7 Electric Equipment <input type="checkbox"/>									
8 Other (please specify) <input type="checkbox"/>									

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note indicating this and explanations in the documentation box.

Documentation box:

TABLE 3 SECTORAL REPORT FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark

1996

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	N ₂ O	NM VOC
	(Gg)		
Total Solvent and Other Product Use	116,48	0,00	39,72
A. Paint Application	75,09		24,09
B. Degreasing and Dry Cleaning	0,00		
C. Chemical Products, Manufacture and Processing			2,35
D. Other (please specify)	41,39	0,00	13,28
<i>(Use of N₂O for Anaesthesia)</i>	0,00		
<i>(N₂O from Fire Extinguishers)</i>	0,00		
<i>(N₂O from Aerosol Cans)</i>	0,00		
<i>(Other Use of N₂O)</i>	0,00		
	41,39		13,28

Please account for the quantity of carbon released in the form of NMVOC in both the NMVOC and the CO₂ columns.

Note: The IPCC Guidelines do not provide methodologies for the calculation of emissions of N₂O from Solvent and Other Product Use. If reporting such data, Parties should provide additional information (activity data and emission factors) used to make these estimates in the documentation box to Table 3.A-D.

TABLE 3.A-D SECTORAL BACKGROUND DATA FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS	
	Description	(kt)	CO ₂ (t/t)	N ₂ O (t/t)
A. Paint Application		0,00	0,00	0,00
B. Degreasing and Dry Cleaning		1,97	0,00	0,00
C. Chemical Products, Manufacture and Processing				
D. Other (please specify)⁽¹⁾				
<i>(Use of N₂O for Anaesthesia)</i>		0,00	0,00	0,00
<i>(N₂O from Fire Extinguishers)</i>		0,00	0,00	0,00
<i>(N₂O from Aerosol Cans)</i>		0,00	0,00	0,00
<i>(Other Use of N₂O)</i>		0,00	0,00	0,00

⁽¹⁾ Some probable sources are provided in brackets. Complement the list with other relevant sources. Make sure that the order is the same as in Table 3.

Note: The table follows the format of the IPCC Sectoral Report for Solvent and Other Product Use, although some of the source categories are not relevant to the direct GHG emissions.

Documentation box:

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 1 of 2)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK	CH ₄	N ₂ O	NO _x	CO	NMVOC
CATEGORIES	(Gg)				
Total Agriculture	186,23	28,52	0,00	0,00	1,31
A. Enteric Fermentation	142,38				
1. Cattle	124,39				
Dairy Cattle	72,87				
Non-Dairy Cattle	51,53				
2. Buffalo					
3. Sheep	1,36				
4. Goats					
5. Camels and Llamas					
6. Horses	0,36				
7. Mules and Asses					
8. Swine	16,26				
9. Poultry					
10. Other (<i>please specify</i>)	0,00				
B. Manure Management	43,85	1,57			0,00
1. Cattle	16,28				
Dairy Cattle	14,05				
Non-Dairy Cattle	2,23				
2. Buffalo					
3. Sheep	0,08				
4. Goats					
5. Camels and Llamas					
6. Horses	0,02				
7. Mules and Asses					
8. Swine	26,71				
9. Poultry	0,76				

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 2 of 2)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O	NO _x	CO	NMVOC
	(Gg)				
B. Manure Management (continued)					
10. Anaerobic Lagoons					
11. Liquid Systems		0,23			
12. Solid Storage and Dry Lot		1,35			
13. Other (please specify) <input type="checkbox"/>		0,00			0,00
C. Rice Cultivation	0,00				0,00
1. Irrigated	0,00				
2. Rainfed	0,00				
3. Deep Water	0,00				
4. Other (please specify) <input type="checkbox"/>	0,00				0,00
D. Agricultural Soils ⁽¹⁾	0,00	26,95			1,31
1. Direct Soil Emissions		16,75			1,31
2. Animal Production		1,23			
3. Indirect Emissions		8,80			
4. Other (please specify) <input type="checkbox"/>	0,00	0,18			0,00
E. Prescribed Burning of Savannas	0,00	0,00			
F. Field Burning of Agricultural Residues	0,00	0,00	0,00	0,00	0,00
1. Cereals	0,00	0,00			
2. Pulse	0,00	0,00			
3. Tuber and Root	0,00	0,00			
4. Sugar Cane	0,00	0,00			
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00
G. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ See footnote 4 to Summary 1.A of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category of the sector Agriculture should indicate the amount [Gg] of these emissions or removals in the documentation box to Table 4.D. Additional information (activity data, implied emissions factors) should also be provided using the relevant documentation box to Table 4.D. This table is not modified for reporting the CO₂ emissions and removals for the sake of consistency with the IPCC tables (i.e. IPCC Sectoral Report for Agriculture).

Note: The IPCC Guidelines do not provide methodologies for the calculation of CH₄ emissions, CH₄ and N₂O removals from agricultural soils, or CO₂ emissions from savanna burning or agricultural residues burning. If you have reported such data, you should provide additional information (activity data and emission factors) used to make these estimates using the relevant documentation boxes of the Sectoral background data tables.

TABLE 4.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

Denmark

1996

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA ⁽¹⁾ AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS
	Population size ⁽²⁾ (1000 head)	Average daily feed intake (MJ/day)	CH ₄ conversion (%)	CH ₄ (kg CH ₄ /head/yr)
1. Cattle	0			0,00
Dairy Cattle ⁽³⁾	701			104,00
Non-Dairy Cattle	1.393			37,00
2. Buffalo	0			0,00
3. Sheep	170			8,00
4. Goats	0			0,00
5. Camels and Llamas	0			0,00
6. Horses	20			18,00
7. Mules and Asses	0			0,00
8. Swine	10.842			1,50
9. Poultry	0			0,00
10. Other (please specify) <input type="checkbox"/>				0,00

Additional information (for Tier 2) ^(a)

Disaggregated list of animals ^(b)	Dairy Cattle	Non-Dairy Cattle	Other (specify)	Indicators:	
				Weight (kg)	Feeding situation ^(c)
			<input type="checkbox"/>		
Weight	(kg)				
Feeding situation ^(c)					
Milk yield	(kg/day)				
Work	(hrs/day)				
Pregnant	(%)				
Digestibility of feed	(%)				

^(a) Compare to Tables A-1 and A-2 of the IPCC Guidelines (Volume 3, Reference Manual, pp. 4.31-4.34). These data are relevant if Parties do not have data on average feed intake.

^(b) Disaggregate to the split actually used. Add columns to the table if necessary.

^(c) Specify feeding situation as pasture, stall fed, confined, open range, etc.

⁽¹⁾ In the documentation boxes to all Sectoral background data tables for Agriculture, Parties should provide information on whether the activity data is one year or a 3-year average.

⁽²⁾ Parties are encouraged to provide detailed livestock population data by animal type and region in a separate table below the documentation box. This consistent set of animal population statistics should be used to estimate CH₄ emissions from enteric fermentation, CH₄ and N₂O from manure management, N₂O direct emissions from soil and N₂O emissions associated with manure production, as well as emissions from the use of manure as fuel, and sewage-related emissions reported in the waste sector.

⁽³⁾ Including data on dairy heifers, if available.

Documentation box:

TABLE 4.B(a) SECTORAL BACKGROUND DATA FOR AGRICULTURE
CH₄ Emissions from Manure Management
 (Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS CH ₄ (kg CH ₄ /head/yr)	
	Population size (1) (1000 head)	Allocation by climate region (2)			Typical animal mass (kg)	VS ⁽³⁾ daily excretion (kg dm/head/yr)		CH ₄ producing potential (Bo) ⁽³⁾ (CH ₄ m ³ /kg VS)
		Cool	Temperate	Warm				
1. Cattle	0						0,00	
Dairy Cattle ⁽⁴⁾	701						20,05	
Non-Dairy Cattle	1.393						1,60	
2. Buffalo	0						0,00	
3. Sheep	249						0,31	
4. Goats	0						0,00	
5. Camels and Llamas	0						0,00	
6. Horses	60						0,37	
7. Mules and Asses	0						0,00	
8. Swine	17.035						1,57	
9. Poultry	24.613						0,03	

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ Climate regions are defined in terms of annual average temperature as follows: Cool=less than 15°C; Temperate=15°C to 25°C inclusive; and Warm=greater than 25°C (see Table 4.2 of the IPCC Guidelines (Volume 3, Reference Manual, p. 4.8)).

⁽³⁾ VS=Volatile Solids; Bo=maximum methane producing capacity for manure IPCC Guidelines (Volume 3, Reference Manual, p.4.23 and p. 4.15.

⁽⁴⁾ Including data on dairy heifers, if available.

Documentation Box:

Additional information (for Tier 2)

Animal category ^(a)	Indicator	Climate region	Animal waste management system					
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range paddock	Other
Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Non-Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Swine	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						

^(a) Copy the above table as many times as necessary.

^(b) MCF = Methane Conversion Factor (IPCC Guidelines, (Volume 3, Reference Manual, p. 4.9)). In the case of use of other climate region categorization, please replace the entries in the cells with the climate regions for which the MCFs are specified.

TABLE 4.B(b) SECTORAL BACKGROUND DATA FOR AGRICULTURE
N₂O Emissions from Manure Management
(Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION								IMPLIED EMISSION FACTORS	
	Population size (⁽¹⁾) (1000s)	Nitrogen excretion (kg N/head/yr)	Nitrogen excretion per animal waste management system (kg N/yr)						Emission factor per animal waste management system (kg N ₂ O-N/kg N)	
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range and paddock	Other		
Non-Dairy Cattle	701								Anaerobic lagoon	0,000
Dairy Cattle	1.393								Liquid system	0,000
Sheep	249								Solid storage and dry lot	0,000
Swine	17.035								Other	0,000
Poultry	24.613									
Other (please specify) <input type="text"/>										
Total per AWMS⁽²⁾			0,0	0,0	0,0	0,0	0,0	0,0		

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ AWMS - Animal Waste Management System.

Documentation box:

TABLE 4.C SECTORAL BACKGROUND DATA FOR AGRICULTURE

Rice Cultivation

(Sheet 1 of 1)

Denmark

1996

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR ⁽¹⁾	EMISSIONS
	Harvested area ⁽²⁾ (10 ⁻⁹ m ² /yr)	Organic amendments added ⁽³⁾ :		CH ₄ (g/m ²)	CH ₄ (Gg)
		type	(t/ha)		
1. Irrigated					0,00
Continuously Flooded				0,00	
Intermittently Flooded	Single Aeration			0,00	
	Multiple Aeration			0,00	
2. Rainfed					0,00
Flood Prone				0,00	
Drought Prone				0,00	
3. Deep Water					0,00
Water Depth 50-100 cm				0,00	
Water Depth > 100 cm				0,00	
4. Other (please specify)					0,00
				0,00	
Upland Rice ⁽⁴⁾					
Total ⁽⁴⁾	0,00				

⁽¹⁾ The implied emission factor takes account of all relevant corrections for continuously flooded fields without organic amendment plus the correction for the organic amendments, if used, as well as of the effect of different soil characteristics, if taken into account, on methane emissions.

⁽²⁾ Harvested area is the cultivated area multiplied by the number of cropping seasons per year.

⁽³⁾ Specify dry weight or wet weight for organic amendments.

⁽⁴⁾

Documentation box:

When disaggregating by more than one region within a country, provide additional information in the documentation box.

Where available, provide activity data and scaling factors by soil type and rice cultivar.

TABLE 4.D SECTORAL BACKGROUND DATA FOR AGRICULTURE

Agricultural Soils⁽¹⁾
(Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION		IMPLIED EMISSION FACTORS		EMISSIONS (Gg N ₂ O)
	Description	Value	Unit		
Direct Soil Emissions	N input to soils (kg N/yr)				16,75
Synthetic Fertilizers	Use of synthetic fertilizers (kg N/yr)	290.800.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,012	5,60
Animal Wastes Applied to Soils	Nitrogen input from manure applied to soils (kg N/yr)	259.620.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,009	3,66
N-fixing Crops	Dry pulses and soybeans produced (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	0,60
Crop Residue	Dry production of other crops (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	6,75
Cultivation of Histosols	Area of cultivated organic soils (ha)	18.440	(kg N ₂ O-N/ha) ⁽²⁾	5,000	0,14
Animal Production	N excretion on pasture range and paddock (kg N/yr)	42.180.000	(kg N₂O-N/kg N)⁽²⁾	0,019	1,23
Indirect Emissions					8,80
Atmospheric Deposition	(kg N/yr)	82.241.060	(kg N ₂ O-N/kg N) ⁽²⁾	0,010	1,29
Nitrogen Leaching and Run-off	N from fertilizers and animal wastes that is lost through leaching and run off (kg N/yr)	191.000.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,025	7,50
Other (please specify)					0,18
Sewage sludge used as fertilizer	(kg N/yr)	4.700.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,013	0,09
Industrial waste used as fertilizer	(kg N/yr)	4.360.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,013	0,09
				0,000	

Additional information

Fraction ^(a)	Description	Value
Frac _{BURN}	Fraction of crop residue burned	0,00
Frac _{FUEL}	Fraction of livestock N excretion in excrements burned for fuel	0,00
Frac _{GASF}	Fraction of synthetic fertilizer N applied to soils that volatilizes as NH ₃ and NO _x	0,02
Frac _{GASM}	Fraction of livestock N excretion that volatilizes as NH ₃ and NO _x	0,28
Frac _{GRAZ}	Fraction of livestock N excreted and deposited onto soil during grazing	
Frac _{LEACH}	Fraction of N input to soils that is lost through leaching and runoff	
Frac _{NCRBF}	Fraction of N in non-N-fixing crop	
Frac _{NCRO}	Fraction of N in N-fixing crop	
Frac _R	Fraction of crop residue removed from the field as crop	

^(a) Use the fractions as specified in the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.92 - 4.113).

⁽¹⁾ See footnote 4 to Summary 1.A. of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category should indicate the amount [Gg] of these emissions or removals and relevant additional information (activity data, implied emissions factors) in the documentation box.

⁽²⁾ To convert from N₂O-N to N₂O emissions, multiply by 44/28.

Documentation box:

TABLE 4.E SECTORAL BACKGROUND DATA FOR AGRICULTURE
Prescribed Burning of Savannas
(Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION					IMPLIED EMISSION FACTORS		EMISSIONS	
	Area of savanna burned (k ha/yr)	Average aboveground biomass density (t dm/ha)	Fraction of savanna burned	Biomass burned (Gg dm)	Nitrogen fraction in biomass	(kg/t dm)		(Gg)	
						CH ₄	N ₂ O	CH ₄	N ₂ O
(specify ecological zone) <input type="checkbox"/>								0,00	0,00
						0,00	0,00		

Additional information

	Living	Dead
Fraction of aboveground biomass		
Fraction oxidized		
Carbon fraction		

Documentation box:

TABLE 4.F SECTORAL BACKGROUND DATA FOR AGRICULTURE
Field Burning of Agricultural Residues
 (Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		EMISSIONS	
	Crop production (t)	Residue/ Crop ratio	Dry matter fraction	Fraction burned in fields	Biomass burned (Gg dm)	Nitrogen fraction in biomass of residues	CH ₄	N ₂ O	CH ₄	N ₂ O
							(kg/t dm)	(kg/t dm)	(Gg)	(Gg)
1. Cereals								0,00	0,00	
Wheat						0,00	0,00			
Barley						0,00	0,00			
Maize						0,00	0,00			
Oats						0,00	0,00			
Rye						0,00	0,00			
Rice						0,00	0,00			
Other (please specify)								0,00	0,00	
						0,00	0,00			
2. Pulse ⁽¹⁾								0,00	0,00	
Dry bean						0,00	0,00			
Peas						0,00	0,00			
Soybeans						0,00	0,00			
Other (please specify)								0,00	0,00	
						0,00	0,00			
3 Tuber and Root								0,00	0,00	
Potatoes						0,00	0,00			
Other (please specify)								0,00	0,00	
						0,00	0,00			
4 Sugar Cane						0,00	0,00			
5 Other (please specify)								0,00	0,00	
						0,00	0,00			

⁽¹⁾ To be used in Table 4.D of this common reporting format.

Documentation Box:

TABLE 5 SECTORAL REPORT FOR LAND-USE CHANGE AND FORESTRY
(Sheet 1 of 1)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions/ removals	CH ₄	N ₂ O	NO _x	CO
	(Gg)						
Total Land-Use Change and Forestry	0,00	-941,00	-941,00	0,00	0,00	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-941,00	-941,00				
1. Tropical Forests			0,00				
2. Temperate Forests		-941,00	-941,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify)	0,00	0,00	0,00				
Harvested Wood ⁽¹⁾			0,00				
			0,00				
B. Forest and Grassland Conversion⁽²⁾	0,00			0,00	0,00	0,00	0,00
1. Tropical Forests							
2. Temperate Forests							
3. Boreal Forests							
4. Grasslands/Tundra							
5. Other (please specify)	0,00			0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00				
1. Tropical Forests			0,00				
2. Temperate Forests			0,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify)	0,00	0,00	0,00				
			0,00				
D. CO₂ Emissions and Removals from Soil	0,00	0,00	0,00				
Cultivation of Mineral Soils			0,00				
Cultivation of Organic Soils			0,00				
Liming of Agricultural Soils			0,00				
Forest Soils			0,00				
Other (please specify) ⁽³⁾	0,00	0,00	0,00				
			0,00				
E. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00				

⁽¹⁾ Following the IPCC Guidelines, the harvested wood should be reported under Changes in Forest and Other Woody Biomass Stocks (Volume 3. Reference Manual, p.5.17).

⁽²⁾ Include only the emissions of CO₂ from Forest and Grassland Conversion. Associated removals should be reported under section D.

⁽³⁾ Include emissions from soils not reported under sections A, B and C.

Note: See footnote 4 to Summary 1.A of this common reporting format.

TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark
1996
April 11, 2001

**Changes in Forest and Other Woody Biomass Stocks
(Sheet 1 of 1)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES			ACTIVITY DATA		IMPLIED EMISSION FACTORS	ESTIMATES
			Area of forest/biomass stocks (kha)	Average annual growth rate (t dm/ha)	Implied carbon uptake factor (t C/ha)	Carbon uptake increment (Gg C)
Tropical	Plantations	<i>Acacia spp.</i>			0,00	
		<i>Eucalyptus spp.</i>			0,00	
		<i>Tectona grandis</i>			0,00	
		<i>Pinus spp</i>			0,00	
		<i>Pinus caribaea</i>			0,00	
		Mixed Hardwoods			0,00	
		Mixed Fast-Growing Hardwoods			0,00	
		Mixed Softwoods			0,00	
	Other Forests	Moist			0,00	
		Seasonal			0,00	
		Dry			0,00	
	Other (specify)				0,00	
					0,00	
Temperate	Plantations			0,00		
	Commercial	Evergreen			0,00	
		Deciduous			0,00	
	Other (specify)				0,00	
				0,00		
Boreal				0,00		
			Number of trees (1000s of trees)	Annual growth rate (kt dm/1000 trees)	Carbon uptake factor (t C/tree)	Carbon uptake increment (Gg C)
Non-Forest Trees (specify type)						0,00
					0,00	
Total annual growth increment (Gg C)						0,00
Gg CO ₂						0,00
			Amount of biomass removed (kt dm)	Carbon emission factor (t C/t dm)	Carbon release (Gg C)	
Total biomass removed in Commercial Harvest				0,00		
Traditional Fuelwood Consumed				0,00		
Total Other Wood Use				0,00		
Total Biomass Consumption from Stocks ⁽¹⁾ (Gg C)						0,00
Other Changes in Carbon Stocks ⁽²⁾ (Gg C)						
Gg CO ₂						0,00
Net annual carbon uptake (+) or release (-) (Gg C)						0,00
Net CO ₂ emissions (-) or removals (+) (Gg CO ₂)						0,00

⁽¹⁾ Make sure that the quantity of biomass burned off-site is subtracted from this total.

⁽²⁾ The net annual carbon uptake/release is determined by comparing the annual biomass growth versus annual harvest, including the decay of forest products and slash left during harvest. The IPCC Guidelines recommend default assumption that all carbon removed in wood and other biomass from forests is oxidized in the year of removal. The emissions from decay could be included under Other Changes in Carbon Stocks.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.B SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Forest and Grassland Conversion
 (Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS					EMISSIONS					
		On and off site burning				Decay of above-ground biomass ⁽¹⁾		Burning			Decay	Burning			Decay			
		Area converted annually (kha)	Annual net loss of biomass (kt dm)	Quantity of biomass burned		Average area converted (kha)	Average annual net loss of biomass (t dm/ha)	On site				Off site CO ₂	On site			Off site CO ₂		
				On site (kt dm)	Off site (kt dm)			CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄	N ₂ O				
								(t/ha)					(Gg)					
Tropical	Wet/Very Moist							0,00	0,00	0,00	0,00	0,00						
	Moist, short dry season							0,00	0,00	0,00	0,00	0,00						
	Moist, long dry season							0,00	0,00	0,00	0,00	0,00						
	Dry							0,00	0,00	0,00	0,00	0,00						
	Montane Moist							0,00	0,00	0,00	0,00	0,00						
	Montane Dry							0,00	0,00	0,00	0,00	0,00						
Tropical Savanna/Grasslands								0,00	0,00	0,00	0,00	0,00						
Temperate	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Broadleaf							0,00	0,00	0,00	0,00	0,00						
	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
Grasslands								0,00	0,00	0,00	0,00	0,00						
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Forest-tundra							0,00	0,00	0,00	0,00	0,00						
Grasslands/Tundra								0,00	0,00	0,00	0,00	0,00						
Other (please specify)								0,00	0,00	0,00	0,00	0,00						
Total								0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Activity data are for default 10-year average. Specify the average decay time which is appropriate for the local conditions, if other than 10 years.

Emissions/Removals	On site	Off site
Immediate carbon release from burning	0,00	0,00
Total On site and Off site (Gg C)	0,00	
Delayed emissions from decay (Gg C)	0,00	
Total annual carbon release (Gg C)	0,00	
Total annual CO ₂ emissions (Gg CO ₂)	0,00	

Additional information

Fractions	On site	Off site
Fraction of biomass burned (average)		
Fraction which oxidizes during burning (average)		
Carbon fraction of aboveground biomass (average)		
Fraction left to decay (average)		
Nitrogen-carbon ratio		

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.C SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Abandonment of Managed Lands
(Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		ESTIMATES	
		Total area abandoned and regrowing ⁽¹⁾		Annual rate of aboveground biomass growth		Carbon fraction of aboveground biomass		Rate of aboveground biomass carbon uptake		Annual carbon uptake in aboveground biomass	
		first 20 years (kha)	>20 years (kha)	first 20 years (t dm/ha)	>20 years (t dm/ha)	first 20 years	>20 years	first 20 years (t C/ha/yr)	>20 years (t C/ha/yr)	first 20 years (Gg C/yr)	>20 years (Gg C/yr)
Original natural ecosystems											
Tropical	Wet/Very Moist							0,00	0,00		
	Moist, short dry season							0,00	0,00		
	Moist, long dry season							0,00	0,00		
	Dry							0,00	0,00		
	Montane Moist							0,00	0,00		
	Montane Dry							0,00	0,00		
Tropical Savanna/Grasslands								0,00	0,00		
Temperate	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Broadleaf							0,00	0,00		
Grasslands								0,00	0,00		
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Forest-tundra							0,00	0,00		
Grasslands/Tundra								0,00	0,00		
Other (please specify)								0,00	0,00		
								0,00	0,00		
										Total annual carbon uptake (Gg C)	0,00
										Total annual CO ₂ removal (Gg CO ₂)	0,00

⁽¹⁾ If lands are regenerating to grassland, then the default assumption is that no significant changes in above-ground biomass occur.

Note: Sectoral background data tables on Land-use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.D SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
CO₂ Emissions and Removals from Soil
 (Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS	ESTIMATES
	Land area (Mha)	Average annual rate of soil carbon uptake/removal (Mg C/ha/yr)	Net change in soil carbon in mineral soils (Tg C over 20 yr)
Cultivation of Mineral Soils ⁽¹⁾			0,00
High Activity Soils		0,00	
Low Activity Soils		0,00	
Sandy		0,00	
Volcanic		0,00	
Wetland (Aquic)		0,00	
Other (please specify)			0,00
		0,00	
	Land area (ha)	Annual loss rate (Mg C/ha/yr)	Carbon emissions from organic soils (Mg C/yr)
Cultivation of Organic Soils			0,00
Cool Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Warm Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Tropical			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
	Total annual amount of lime (Mg)	Carbon conversion factor	Carbon emissions from liming (Mg C)
Liming of Agricultural Soils			0,00
Limestone Ca(CO ₃)		0,00	
Dolomite CaMg(CO ₃) ₂		0,00	
Total annual net carbon emissions from agriculturally impacted soils (Gg C)			0,00
Total annual net CO ₂ emissions from agriculturally impacted soils (Gg CO ₂)			0,00

Additional information

Year	Climate ^(a)	land-use/ management system ^(a)	Soil type					
			High activity soils	Low activity soils	Sandy	Volcanic	Wetland (Aquic)	Organic soil
percent distribution (%)								
20 years prior	(e.g. tropical, dry)	(e.g. savanna)						
		(e.g. irrigated cropping)						
inventory year								

^(a) These should represent the major types of land management systems per climate regions presented in the country as well as ecosystem types which were either converted to agriculture (e.g., forest, savanna, grassland) or have been derived from previous agricultural land-use (e.g., abandoned lands, reforested lands). Systems should also reflect differences in soil carbon stocks that can be related to differences in management (IPCC Guidelines (Volume 2. Workbook, Table 5-9, p. 5.26, and Appendix (pp. 5-31 - 5.38)).

⁽¹⁾ The information to be reported under Cultivation of Mineral Soils aggregates data per soil type over all land-use/management systems. This refers to land area data and to the emission estimates and implied emissions factors accordingly.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation Box:

TABLE 6 SECTORAL REPORT FOR WASTE
(Sheet 1 of 1)

Denmark

1996

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Waste	0,00	62,10	0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	0,00	62,10		0,00	0,00	0,00	
1. Managed Waste Disposal on Land	0,00	62,10					
2. Unmanaged Waste Disposal Sites	0,00	0,00					
3. Other (<i>please specify</i>)	0,00	0,00		0,00	0,00	0,00	
B. Wastewater Handling		0,00	0,00	0,00	0,00	0,00	
1. Industrial Wastewater		0,00	0,00				
2. Domestic and Commercial Wastewater		0,00	0,00				
3. Other (<i>please specify</i>)		0,00	0,00	0,00	0,00	0,00	
C. Waste Incineration	0,00	0,00	0,00				
D. Other (<i>please specify</i>)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biological or inorganic waste sources.

TABLE 6.A SECTORAL BACKGROUND DATA FOR WASTE
Solid Waste Disposal
(Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION				IMPLIED EMISSION FACTOR		EMISSIONS ⁽¹⁾	
	Annual MSW at the SWDS (Gg)	MCF	DOC degraded (Gg)	CH ₄ recovery ⁽²⁾ (Gg)	CH ₄ (t/t MSW)	CO ₂ (t/t MSW)	CH ₄ (Gg)	CO ₂ ⁽³⁾ (Gg)
1 Managed Waste Disposal on Land	2,507.00				0.02	0.00	62.10	
2 Unmanaged Waste Disposal Sites					0.00	0.00	0.00	0.00
- deep (>5 m)	0.00				0.00	0.00		
- shallow (<5 m)					0.00	0.00		
3 Other (please specify)					0.00	0.00	0.00	0.00

Additional information

Description	Value
Total population (1000s) ^(a)	
Urban population (1000s) ^(a)	
Waste generation rate (kg/capita/day)	
Fraction of MSW disposed to SWDS	
Fraction of DOC in MSW	
Fraction of wastes incinerated	
Fraction of wastes recycled	
CH ₄ oxidation factor (b)	
CH ₄ fraction in landfill gas	
Number of SWDS recovering CH ₄	
CH ₄ generation rate constant (k) ^(c)	
Time lag considered (yr) ^(c)	
Composition of landfilled waste (%)	
Paper and paperboard	
Food and garden waste	
Plastics	
Glass	
Textiles	
Other (specify)	
other - inert	
other - organic	

TABLE 6.C SECTORAL BACKGROUND DATA FOR WASTE
Waste Incineration
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA Amount of incinerated wastes (Gg)	IMPLIED EMISSION FACTOR			EMISSIONS		
		CO ₂ (kg/t waste)	CH ₄ (kg/t waste)	N ₂ O (kg/t waste)	CO ₂ ⁽³⁾ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Waste Incineration (please specify)	0.00				0.00	0.00	0.00
(biogenic) ⁽³⁾		0.00	0.00	0.00			
(plastics and other non-biogenic waste) ⁽³⁾		0.00	0.00	0.00			
		0.00	0.00	0.00			

MSW - Municipal Solid Waste, SWDS - Solid Waste Disposal Site, MCF - Methane Correction Factor, DOC - Degradable Organic Carbon (IPCC Guidelines (Volume 3. Reference Manual, section 6.2.4)). MSW includes household waste, yard/garden waste, commercial/market waste and organic industrial solid waste. MSW should not include inorganic industrial waste such as construction or demolition materials.

⁽¹⁾ Actual emissions (after recovery).

⁽²⁾ CH₄ recovered and flared or utilized.

⁽³⁾ Under Waste Disposal, CO₂ emissions should be reported only when the disposed wastes are combusted at the disposal site which might constitute a management practice. CO₂ emissions from non-biogenic wastes are included in the totals, while the CO₂ emissions from biogenic wastes are not included in the totals.

Documentation box:

All relevant information used in calculation should be provided in the additional information box and in the documentation box.

Parties that use country specific models should note this with a brief rationale in the documentation box and fill the relevant cells only.

^(a) Specify whether total or urban population is used and the rationale for doing so.

^(b) See IPCC Guidelines (Volume 3. Reference Manual, p. 6.9).

^(c) For Parties using Tier 2 methods.

TABLE 6.B SECTORAL BACKGROUND DATA FOR WASTE
Wastewater Handling
 (Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND RELATED INFORMATION ⁽¹⁾				IMPLIED EMISSION FACTOR			EMISSIONS ⁽²⁾		
	Total organic product		CH ₄ recovered and/or flared		CH ₄		N ₂ O ⁽³⁾ (kg/kg DC)	CH ₄		N ₂ O ⁽³⁾ (Gg)
	Wastewater (Gg DC ⁽¹⁾ /yr)	Sludge	Wastewater (Gg)	Sludge	Wastewater (kg/kg DC)	Sludge (kg/kg DC)		Wastewater (Gg)	Sludge (Gg)	
Industrial Wastewater	999,998,00				0,00	0,00		0,00		
Domestic and Commercial Wastewater	999,998,00				0,00	0,00		0,00		
Other (please specify)								0,00	0,00	0,00
					0,00	0,00				

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR	EMISSIONS
	Population ⁽⁴⁾ (1000s)	Protein consumption (protein in kg/person/yr)	N fraction (kg N/kg protein)	N ₂ O (kg N ₂ O-N/kg sewage N produced)	N ₂ O (Gg)
N ₂ O from human sewage ⁽³⁾					0,00

⁽¹⁾ DC - degradable organic component. DC indicators are COD (Chemical Oxygen Demand) for industrial wastewater and BOD (Biochemical Oxygen Demand) for Domestic/Commercial wastewater/sludge (IPCC Guidelines (Volume 3, Reference Manual, pp. 6.14, 6.18)).

⁽²⁾ Actual emissions (after recovery).

⁽³⁾ Parties using other methods for estimation of N₂O emissions from human sewage or wastewater treatment should provide corresponding information on methods, activity data and emission factors used in the documentation box. Use the table to provide aggregate data.

⁽⁴⁾ Specify whether total or urban population is used in the calculations and the rationale for doing so. Provide explanation in the documentation box.

Documentation box:

Additional information

	Domestic	Industrial
Total wastewater (m ³):		
Treated wastewater (%):		

Wastewater streams:	Wastewater output (m ³)	DC (kgCOD/m ³)
Industrial wastewater		
Iron and steel		
Non-ferrous		
Fertilizers		
Food and beverage		
Paper and pulp		
Organic chemicals		
Other (specify)		
	DC (kg BOD/1000 person/yr)	
Domestic and Commercial		
Other		

Handling systems:	Industrial wastewater treated (%)	Ind. sludge treated (%)	Domestic wastewater treated (%)	Domestic sludge treated (%)
Aerobic				
Anaerobic				
Other (specify)				

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)

(Sheet 1 of 3)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
	P	A	P	A	P	A	P	A	P	A				
Total National Emissions and Removals	74,034,97	-941,00	278,94	32,16	1,393,18	278,30	21,00	0,00	0,01	0,00	294,35	641,73	158,44	179,64
1. Energy	72,530,35		30,61	3,64							293,85	641,73	108,39	179,56
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	72,152,76		13,18	3,63						291,94	596,62	95,10	176,67
1. Energy Industries		44,379,19		1,61	1,43						129,05	10,77	1,83	144,87
2. Manufacturing Industries and Construction		6,331,96		0,74	0,39						24,54	15,73	4,21	11,69
3. Transport		11,989,66		3,11	1,14						101,27	393,60	70,11	6,63
4. Other Sectors		9,276,03		7,72	0,67						36,23	175,88	18,83	13,46
5. Other		175,92		0,01	0,01						0,85	0,64	0,12	0,02
B. Fugitive Emissions from Fuels		377,59		17,42	0,01						1,91	45,11	13,29	2,89
1. Solid Fuels		0,00		6,27	0,00						0,00	43,87	0,00	0,00
2. Oil and Natural Gas		377,59		11,15	0,01						1,91	1,24	13,29	2,89
2. Industrial Processes	1,388,14		0,00	0,00	1,393,18	278,30	21,00	0,00	0,01	0,00	0,50	0,00	0,06	0,08
A. Mineral Products	1,388,14		0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,50	0,00	0,00	0,08
C. Metal Production	0,00		0,00	0,00				0,00		0,00	0,00	0,00	0,00	0,00
D. Other Production ⁽³⁾	0,00										0,00	0,00	0,06	0,00
E. Production of Halocarbons and SF ₆						0,00		0,00		0,00				
F. Consumption of Halocarbons and SF ₆					1,393,18	278,30	21,00	0,00	0,01	0,00				
G. Other	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach. Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ Other Production includes Pulp and Paper and Food and Drink Production.

Note: The numbering of footnotes to all tables containing more than one sheet continue to the next sheet. Common footnotes are given only once at the first point of reference.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	emissions	removals			P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)						(Gg)				
3. Solvent and Other Product Use	116,48			0,00									39,72	
4. Agriculture	0,00	0,00	186,23	28,52							0,00	0,00	1,31	0,00
A. Enteric Fermentation			142,38											
B. Manure Management			43,85	1,57									0,00	
C. Rice Cultivation			0,00										0,00	
D. Agricultural Soils	⁽⁴⁾	⁽⁴⁾	0,00	26,95									1,31	
E. Prescribed Burning of Savannas			0,00	0,00							0,00	0,00	0,00	
F. Field Burning of Agricultural Residues			0,00	0,00							0,00	0,00	0,00	
G. Other			0,00	0,00							0,00	0,00	0,00	
5. Land-Use Change and Forestry	⁽⁵⁾ 0,00	⁽⁵⁾ -941,00	0,00	0,00							0,00	0,00	8,95	0,00
A. Changes in Forest and Other Woody Biomass Stocks	⁽⁵⁾ 0,00	⁽⁵⁾ -941,00												
B. Forest and Grassland Conversion	0,00		0,00	0,00							0,00	0,00	8,95	
C. Abandonment of Managed Lands	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00												
D. CO ₂ Emissions and Removals from Soil	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00												
E. Other	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00	0,00	0,00							0,00	0,00		
6. Waste	0,00		62,10	0,00							0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	⁽⁶⁾ 0,00		62,10									0,00	0,00	
B. Wastewater Handling			0,00	0,00							0,00	0,00	0,00	
C. Waste Incineration	⁽⁶⁾ 0,00		0,00	0,00							0,00	0,00	0,00	0,00
D. Other	0,00		0,00	0,00							0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽⁴⁾ According to the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.2, 4.87), CO₂ emissions from agricultural soils are to be included under Land-Use Change and Forestry (LUCF). At the same time, the Summary Report 7A (Volume 1. Reporting Instructions, Tables.27) allows for reporting CO₂ emissions or removals from agricultural soils, either in the Agriculture sector, under D. Agricultural Soils or in the Land-Use Change and Forestry sector under D. Emissions and Removals from Soil. Parties may choose either way to report emissions or removals from this source in the common reporting format, but the way they have chosen to report should be clearly indicated, by inserting explanatory comments to the corresponding cells of Summary 1.A and Summary 1.B. Double-counting of these emissions or removals should be avoided. Parties should include these emissions or removals consistently in Table8(a) (Recalculation - Recalculated data) and Table10 (Emission trends).

⁽⁵⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽⁶⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biogenic or inorganic waste streams.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs		PFCs		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)					(Gg)			
Memo Items: ⁽⁷⁾														
International Bunkers	6.806,56		0,15	0,38							139,98	13,13	3,92	72,03
Aviation	1.986,36		0,04	0,08							8,00	1,91	0,38	0,13
Marine	4.820,20		0,11	0,30							131,98	11,23	3,53	71,90
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	6.070,69													

⁽⁷⁾ Memo Items are not included in the national totals.

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
	P	A	P	A	P	A	P	A						
Total National Emissions and Removals	74.034,97	-941,00	278,94	32,16	1.393,18	278,30	21,00	0,00	0,01	0,00	294,35	641,73	158,44	179,64
1. Energy	72.530,35		30,61	3,64							293,85	641,73	108,39	179,56
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	72.152,76	13,18	3,63							291,94	596,62	95,10	176,67
B. Fugitive Emissions from Fuels		377,59	17,42	0,01							1,91	45,11	13,29	2,89
2. Industrial Processes	1.388,14		0,00	0,00	1.393,18	278,30	21,00	0,00	0,01	0,00	0,50	0,00	0,06	0,08
3. Solvent and Other Product Use	116,48			0,00							0,00	0,00	39,72	0,00
4. Agriculture⁽³⁾	0,00	0,00	186,23	28,52							0,00	0,00	1,31	0,00
5. Land-Use Change and Forestry⁽⁴⁾	0,00⁽⁴⁾	-941,00⁽⁴⁾	0,00	0,00							0,00	0,00	8,95	0,00
6. Waste	0,00		62,10	0,00							0,00	0,00	0,00	0,00
7. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:														
International Bunkers	6.806,56		0,15	0,38							139,98	13,13	3,92	72,03
Aviation	1.986,36		0,04	0,08							8,00	1,91	0,38	0,13
Marine	4.820,20		0,11	0,30							131,98	11,23	3,53	71,90
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	6.070,69													

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in document box of Table 1.A(c). Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ See footnote 4 to Summary 1.A.

⁽⁴⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

SUMMARY 2 SUMMARY REPORT FOR CO₂ EQUIVALENT EMISSIONS
(Sheet 1 of 1)

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	Total
	CO ₂ equivalent (Gg)						
Total (Net Emissions)⁽¹⁾	73,093,97	5,857,70	9,970,68	278,30	0,00	60,99	89,261,64
1. Energy	72,530,35	642,78	1,128,59				74,301,72
A. Fuel Combustion (Sectoral Approach)	72,152,76	276,88	1,126,53				73,556,18
1. Energy Industries	44,379,19	33,87	443,19				44,856,25
2. Manufacturing Industries and Construction	6,331,96	15,59	119,80				6,467,35
3. Transport	11,989,66	65,21	352,33				12,407,20
4. Other Sectors	9,276,03	162,03	209,11				9,647,17
5. Other	175,92	0,18	2,10				178,20
B. Fugitive Emissions from Fuels	377,59	365,90	2,06				745,54
1. Solid Fuels	0,00	131,66	0,00				131,66
2. Oil and Natural Gas	377,59	234,24	2,06				613,89
2. Industrial Processes	1,388,14	0,00	0,00	278,30	0,00	60,99	1,727,42
A. Mineral Products	1,388,14	0,00	0,00				1,388,14
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00		0,00	9,56	9,56
D. Other Production	0,00						0,00
E. Production of Halocarbons and SF ₆				0,00	0,00	0,00	0,00
F. Consumption of Halocarbons and SF ₆				278,30	0,00	51,43	329,73
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	116,48		0,00				116,48
4. Agriculture	0,00	3,910,82	8,842,09				12,752,92
A. Enteric Fermentation		2,989,98					2,989,98
B. Manure Management		920,84	486,95				1,407,80
C. Rice Cultivation		0,00					0,00
D. Agricultural Soils ⁽²⁾		0,00	8,355,14				8,355,14
E. Prescribed Burning of Savannas		0,00	0,00				0,00
F. Field Burning of Agricultural Residues		0,00	0,00				0,00
G. Other		0,00	0,00				0,00
5. Land-Use Change and Forestry⁽¹⁾	-941,00	0,00	0,00				-941,00
6. Waste	0,00	1,304,10	0,00				1,304,10
A. Solid Waste Disposal on Land	0,00	1,304,10					1,304,10
B. Wastewater Handling		0,00	0,00				0,00
C. Waste Incineration	0,00	0,00	0,00				0,00
D. Other	0,00	0,00	0,00				0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:							
International Bunkers	6,806,56	3,13	119,11				6,928,80
Aviation	1,986,36	0,83	25,05				2,012,25
Marine	4,820,20	2,29	94,05				4,916,55
Multilateral Operations	0,00	0,00	0,00				0,00
CO₂ Emissions from Biomass	6,070,69						6,070,69

⁽¹⁾ For CO₂ emissions from Land-Use Change and Forestry the net emissions are to be reported. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions / removals	CH ₄	N ₂ O	Total emissions
	CO ₂ equivalent (Gg)					
Land-Use Change and Forestry						
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-941,00	-941,00			-941,00
B. Forest and Grassland Conversion	0,00		0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00			0,00
D. CO ₂ Emissions and Removals from Soil	0,00	0,00	0,00			0,00
E. Other	0,00	0,00	0,00	0,00	0,00	0,00
Total CO₂ Equivalent Emissions from Land-Use Change and Forestry	0,00	-941,00	-941,00	0,00	0,00	-941,00

Total CO₂ Equivalent Emissions without Land-Use Change and Forestry^(a) 90.202,64

Total CO₂ Equivalent Emissions with Land-Use Change and Forestry^(a) 89.261,64

^(a) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
(Sheet 1 of 2)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
1. Energy												
A. Fuel Combustion												
1. Energy Industries												
2. Manufacturing Industries and Construction												
3. Transport												
4. Other Sectors												
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
2. Oil and Natural Gas												
2. Industrial Processes												
A. Mineral Products												
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF ₆												
F. Consumption of Halocarbons and SF ₆												
G. Other												

⁽¹⁾ Use the following notation keys to specify the method applied: D (IPCC default), RA (Reference Approach), T1 (IPCC Tier 1), T1a, T1b, T1c (IPCC Tier 1a, Tier 1b and Tier 1c, respectively), T2 (IPCC Tier 2), T3 (IPCC Tier 3), C (CORINAIR), CS (Country Specific), M (Model). If using more than one method, enumerate the relevant methods. Explanations of any modifications to the default IPCC methods, as well as information on the proper use of methods per source category where more than one method is indicated, and explanations on the country specific methods, should be provided in the documentation box of the relevant Sectoral background data table.

⁽²⁾ Use the following notation keys to specify the emission factor used: D (IPCC default), C (CORINAIR), CS (Country Specific), PS (Plant Specific), M (Model). Where a mix of emission factors has been used, use different notations in one and the same cells with further explanation in the documentation box of the relevant Sectoral background data table.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 2 of 2)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation												
B. Manure Management												
C. Rice Cultivation												
D. Agricultural Soils												
E. Prescribed Burning of Savannas												
F. Field Burning of Agricultural Residues												
G. Other												
5. Land-Use Change and Forestry												
A. Changes in Forest and Other Woody Biomass Stocks												
B. Forest and Grassland Conversion												
C. Abandonment of Managed Lands												
D. CO ₂ Emissions and Removals from Soil												
E. Other												
6. Waste												
A. Solid Waste Disposal on Land												
B. Wastewater Handling												
C. Waste Incineration												
D. Other												
7. Other (please specify)												

TABLE 7 OVERVIEW TABLE⁽¹⁾ FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 1 of 3)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
Total National Emissions and Removals																					
1 Energy																					
A. Fuel Combustion Activities																					
Reference Approach																					
Sectoral Approach																					
1. Energy Industries																					
2. Manufacturing Industries and Construction																					
3. Transport																					
4. Other Sectors																					
5. Other																					
B. Fugitive Emissions from Fuels																					
1. Solid Fuels																					
2. Oil and Natural Gas																					
2 Industrial Processes																					
A. Mineral Products																					
B. Chemical Industry																					
C. Metal Production																					
D. Other Production																					
E. Production of Halocarbons and SF ₆																					

⁽¹⁾ This table is intended to be used by Parties to summarize their own assessment of completeness (e.g. partial, full estimate, not estimated) and quality (high, medium, low) of major source/sink inventory estimates. The latter could be understood as a quality assessment of the uncertainty of the estimates. This table might change once the IPCC completes its work on managing uncertainties of GHG inventories. The title of the table was kept for consistency with the current table in the IPCC Guidelines.

Note: To fill in the table use the notation key as given in the IPCC Guidelines (Volume 1. Reporting Instructions, Tables. 37).

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 2 of 3)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
2 Industrial Processes (continued)																					
F. Consumption of Halocarbons and SF ₆																					
Potential ⁽²⁾																					
Actual ⁽³⁾																					
G. Other																					
3 Solvent and Other Product Use																					
4 Agriculture																					
A. Enteric Fermentation																					
B. Manure Management																					
C. Rice Cultivation																					
D. Agricultural Soils																					
E. Prescribed Burning of Savannas																					
F. Field Burning of Agricultural Residues																					
G. Other																					
5 Land-Use Change and Forestry																					
A. Changes in Forest and Other Woody Biomass Stocks																					
B. Forest and Grassland Conversion																					

⁽²⁾ Potential emissions based on Tier 1 approach of the IPCC Guidelines.

⁽³⁾ Actual emissions based on Tier 2 approach of the IPCC Guidelines.

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
 (Sheet 3 of 3)

Denmark
 1996
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
5 Land-Use Change and Forestry (continued)																					
C. Abandonment of Managed Lands																					
D. CO ₂ Emissions and Removals from Soil																					
E. Other																					
6 Waste																					
A. Solid Waste Disposal on Land																					
B. Wastewater Handling																					
C. Waste Incineration																					
D. Other																					
7 Other (please specify)																					
Memo Items:																					
International Bunkers																					
Aviation																					
Marine																					
Multilateral Operations																					
CO ₂ Emissions from Biomass																					

TABLE 8(a) RECALCULATION - RECALCULATED DATA

 Recalculated
(Sheet 1 of 2)

 year:

 Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO2			CH4			N2O		
		Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
		CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
Total National Emissions and Removals		72,710,27	73,093,97	0,53	5,863,41	5,857,70	-0,10	9,786,70	9,970,68	1,88
1. Energy		72,145,33	72,530,35	0,53	646,59	642,78	-0,59	945,50	1,128,59	19,36
1.A.	Fuel Combustion Activities	71,767,74	72,152,76	0,54	279,72	276,88	-1,02	942,40	1,126,53	19,54
1.A.1.	Energy Industries	44,379,19	44,379,19	0,00	34,02	33,87	-0,46	443,30	443,19	-0,03
1.A.2.	Manufacturing Industries and Construction	6,283,64	6,331,96	0,77	14,07	15,59	10,82	55,80	119,80	114,69
1.A.3.	Transport	11,748,87	11,989,66	2,05	66,15	65,21	-1,42	344,10	352,33	2,39
1.A.4.	Other Sectors	9,302,59	9,276,03	-0,29	165,48	162,03	-2,09	99,20	209,11	110,80
1.A.5.	Other	53,45	175,92	229,13	0,00	0,18	0,00	0,00	2,10	0,00
1.B.	Fugitive Emissions from Fuels	377,59	377,59	0,00	366,87	365,90	-0,26	3,10	2,06	-33,64
1.B.1.	Solid fuel	0,00	0,00	0,00	131,67	131,66	-0,01	0,00	0,00	0,00
1.B.2.	Oil and Natural Gas	377,59	377,59	0,00	235,20	234,24	-0,41	3,10	2,06	-33,64
2. Industrial Processes		1,388,14	1,388,14	0,00	1,89	0,00	-100,00	0,00	0,00	0,00
2.A.	Mineral Products	1,388,14	1,388,14	0,00	1,89	0,00	-100,00	0,00	0,00	0,00
2.B.	Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.C.	Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.D.	Other Production	0,00	0,00	0,00						
2.G.	Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use		123,80	116,48	-5,91				0,00	0,00	0,00
4. Agriculture		0,00	0,00	0,00	3,910,83	3,910,82	0,00	8,841,20	8,842,09	0,01
4.A.	Enteric Fermentation				2,989,98	2,989,98	0,00			
4.B.	Manure Management				920,85	920,84	0,00	486,70	486,95	0,05
4.C.	Rice Cultivation				0,00	0,00	0,00			
4.D.	Agricultural Soils (2)			0,00	0,00	0,00	0,00	8,354,50	8,355,14	0,01
4.E.	Prescribed Burning of Savannas				0,00	0,00	0,00	0,00	0,00	0,00
4.F.	Field Burning of Agricultural Residues				0,00	0,00	0,00	0,00	0,00	0,00
4.G.	Other				0,00	0,00	0,00	0,00	0,00	0,00
5. Land-Use Change and Forestry (net)		-947,00	-941,00	-0,63	0,00	0,00	0,00	0,00	0,00	0,00
5.A.	Changes in Forest and Other Woody Biomass Stocks	-947,00	-941,00	-0,63						
5.B.	Forest and Grassland Conversion			0,00			0,00			0,00
5.C.	Abandonment of Managed Lands			0,00						
5.D.	CO2 Emissions and Removals from Soil			0,00						
5.E.	Other			0,00			0,00			0,00

(1) Estimate the percentage change due to recalculation with respect to the previous submission (Percentage change = 100% x [(LS-PS)/PS], where LS = Latest submission and PS = Previous submission. All cases of recalculation of the estimate of the source/sink category, should be addressed and explained in Table 8(b) of this common reporting format.

(2) See footnote 4 to Summary 1.A of this common reporting format.

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated
(Sheet 2 of 2)

year: 2001

Denmark
1996
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO2			CH4			N2O		
	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
6. Waste	0,00	0,00	0,00	1.304,10	1.304,10	0,00	0,00	0,00	0,00
6.A. Solid Waste Disposal on Land	0,00	0,00	0,00	1.304,10	1.304,10	0,00			
6.B. Wastewater Handling				0,00	0,00	0,00	0,00	0,00	0,00
6.C. Waste Incineration	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
6.D. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00			0,00			0,00
Memo Items:									
International Bunkers	6.882,77	6.806,56	-1,11	4,20	3,13	-25,51	93,00	119,11	28,07
Multilateral Operations	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
CO2 Emissions from Biomass	6.059,68	6.070,69	0,18						

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFCs			PFCs			SF6		
	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
Total Actual Emissions	389,48	278,30	-28,55	3,15	0,00	-100,00	85,32	60,99	-28,52
2.C.3. Aluminium Production				0,00	0,00	0,00	9,56	9,56	0,00
2.E. Production of Halocarbons and SF6	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.F. Consumption of Halocarbons and SF6	389,48	278,30	-28,55	3,15	0,00	-100,00	75,76	51,43	-32,11
Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential Emissions from Consumption of HFCs/PFCs and SF6		1.393,18		21,00	21,00		262,90	253,34	

	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)
Total CO2 Equivalent Emissions with Land-Use Change and Forestry (3)	88.838,33	89.261,64	0,48
Total CO2 Equivalent Emissions without Land-Use Change and Forestry (3)	89.785,33	90.202,64	0,46

(3) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Denmark
 1996
 April 11, 2001

Specify the sector and source/sink category ⁽¹⁾ where changes in estimates have occurred:	GHG	RECALCULATION DUE TO			
		CHANGES IN:			Addition/removal/ replacement of source/sink categories
		Methods ⁽²⁾	Emission factors ⁽²⁾	Activity data ⁽²⁾	

⁽¹⁾ Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table (see Table 8(a)).

⁽²⁾ Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in Table 8(a). Include relevant changes in the assumptions and coefficients under the "Methods" column.

Documentation box: Use the documentation box to report the justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory.

TABLE 9 COMPLETENESS
(Sheet 1 of 2)

Denmark
1996
April 11, 2001

Sources and sinks not reported (NE) ⁽¹⁾				
GHG	Sector ⁽²⁾	Source/sink category ⁽²⁾	Explanation	
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				
Sources and sinks reported elsewhere (IE) ⁽³⁾				
GHG	Source/sink category	Allocation as per IPCC Guidelines	Allocation used by the Party	Explanation
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				

⁽¹⁾ Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.

⁽²⁾ Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).

⁽³⁾ Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.

TABLE 9 COMPLETENESS
(Sheet 2 of 2)

Denmark
 1996
 April 11, 2001

Additional GHG emissions reported ⁽⁴⁾						
GHG	Source category	Emissions (Gg)	Estimated GWP value (100-year horizon)	Emissions CO ₂ equivalent (Gg)	Reference to the data source of GWP value	Explanation

⁽⁴⁾ Parties are encouraged to provide information on emissions of greenhouse gases whose GWP values have not yet been agreed upon by the COP. Please include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

TABLE 11 CHECK LIST OF REPORTED INVENTORY INFORMATION ⁽¹⁾									
Party: Denmark			Year: 1996						
Contact info:	Focal point for national GHG inventories:	Jytte Boll Illerup, National Environmental Research Institute							
	Address:	P.O. Box 358, Department of Policy Analysis, DK-4000 Roskilde							
	Telephone:	0045 46301289	Fax:	0045 46301212	E-mail:	jbi@dmu.dk			
	Main institution preparing the inventory:	National Environmental Research Institute, Ministry of Environment and Energy							
General info:	Date of submission:	11-apr-01							
	Base years:	1990	PFCs, HFCs, SF6:	1995					
	Year covered in the submission:	1990-1999							
	Gases covered:	CO2, CH4, N2O, NOx, CO, NMVOC, SO2, HFCs, PFCs, SF6							
Omissions in geographic coverage:	Denmark								
Tables:	Sectoral report tables:	<input checked="" type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	Sectoral background data tables:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Summary 1 (IPCC Summary tables):		IPCC Table 7A:		<input checked="" type="checkbox"/>	IPCC Table 7B:		<input checked="" type="checkbox"/>	
	Summary 2 (CO ₂ equivalent emissions):				<input checked="" type="checkbox"/>				
	Summary 3 (Methods/Emission factors):				<input checked="" type="checkbox"/>				
	Uncertainty:		IPCC Table 8A:		<input checked="" type="checkbox"/>	National information:		<input checked="" type="checkbox"/>	
	Recalculation tables:				<input checked="" type="checkbox"/>				
	Completeness table:				<input checked="" type="checkbox"/>				
Trend table:				<input checked="" type="checkbox"/>					
CO ₂	Comparison of CO ₂ from fuel combustion:	<input type="checkbox"/>	Worksheet 1-1	Percentage of difference	-100,00			Explanation of differences	<input type="checkbox"/>
Recalculation:	CO ₂	<input type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	CH ₄	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	N ₂ O	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	HFCs, PFCs, SF ₆	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Explanations:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Recalculation tables for all recalculated years:				<input type="checkbox"/>				
	Full CRF for the recalculated base year:				<input type="checkbox"/>				
HFCs, PFCs, SF ₆ :	Disaggregation by species:	<input checked="" type="checkbox"/>	HFCs	PFCs	SF6				
	Production of Halocarbons/SF ₆ :	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
	Consumption of Halocarbons/SF ₆ :		Actual	Potential	Actual	Potential	Actual	Potential	
	Potential/Actual emission ratio:	<input type="checkbox"/>	0,00	<input type="checkbox"/>	0,00	<input type="checkbox"/>	<input type="checkbox"/>	0,00	
	Reference to National Inventory Report and/or national inventory web site:	http://www.dmu.dk/1_english/1_viden/2_Miljoe-tilstand/3_lufv/4_adaei/default.asp							

CRF - Common Reporting Format.
LUCF - Land-Use Change and Forestry.

⁽¹⁾ For each omission, give an explanation for the reasons by inserting a comment to the corresponding cell.

Appendix 1.1

Annual emission inventories 1995

CRF tables for Denmark

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 1 of 2)

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Energy	59,257,72	29,80	3,12	254,26	627,66	108,60	148,36
A. Fuel Combustion Activities (Sectoral Approach)	58,923,81	12,44	3,12	252,42	582,60	96,66	145,14
1. Energy Industries	32,152,68	1,56	1,05	90,92	9,25	1,63	106,61
a. Public Electricity and Heat Production	29,950,13	1,18	1,01	84,95	8,53	1,38	105,36
b. Petroleum Refining	1,484,41	0,15	0,03	2,39	0,38	0,12	1,25
c. Manufacture of Solid Fuels and Other Energy Industries	718,14	0,23	0,01	3,59	0,34	0,12	0,00
2. Manufacturing Industries and Construction	6,069,76	0,70	0,38	20,79	12,25	3,66	19,74
a. Iron and Steel	58,98	0,00	0,00	0,10	0,02	0,00	0,07
b. Non-Ferrous Metals	15,17	0,00	0,00	0,02	0,00	0,00	0,03
c. Chemicals	0,00	0,00	0,00				
d. Pulp, Paper and Print	0,00	0,00	0,00				
e. Food Processing, Beverages and Tobacco	0,00	0,00	0,00				
f. Other (please specify)	5,995,60	0,70	0,37	20,67	12,22	3,65	19,64
Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.							
				20,67	12,22	3,65	19,64
3. Transport	11,765,19	3,04	1,03	104,74	410,44	74,06	6,98
a. Civil Aviation	175,19	0,01	0,01	0,86	1,19	0,20	0,01
b. Road Transportation	10,667,75	2,96	0,97	90,42	400,07	68,96	1,87
c. Railways	303,68	0,02	0,01	2,84	0,47	0,18	0,10
d. Navigation	618,57	0,06	0,04	10,63	8,71	4,71	5,01
e. Other Transportation (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 2 of 2)

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
4. Other Sectors	8.684,29	7,11	0,64	34,44	149,73	17,10	11,75
a. Commercial/Institutional	1.340,17	0,27	0,03	1,33	4,20	0,32	1,12
b. Residential	5.088,25	6,00	0,16	4,88	126,11	11,61	5,46
c. Agriculture/Forestry/Fisheries	2.255,87	0,85	0,45	28,23	19,41	5,17	5,18
5. Other (please specify) ⁽¹⁾	251,89	0,01	0,01	1,52	0,94	0,21	0,05
a. Stationary	0,00	0,00	0,00	0,00	0,00	0,00	0,00
b. Mobile	251,89	0,01	0,01	1,52	0,94	0,21	0,05
Emissions from military combustion of fuels.							
	251,89	0,01	0,01	1,52	0,94	0,21	0,05
B. Fugitive Emissions from Fuels	333,92	17,37	0,01	1,84	45,06	11,94	3,22
1. Solid Fuels	0,00	6,27	0,00	0,00	43,87	0,00	0,00
a. Coal Mining	0,00	0,00					
b. Solid Fuel Transformation	0,00	0,00					
c. Other (please specify)	0,00	6,27	0,00	0,00	43,87	0,00	0,00
Storage of solid fuel.							
					43,87		
2. Oil and Natural Gas	333,92	11,10	0,01	1,84	1,20	11,94	3,22
a. Oil	0,00	0,05		0,00	0,00	7,76	3,02
b. Natural Gas	0,00	10,08				3,66	0,00
c. Venting and Flaring	333,92	0,97	0,01	1,84	1,20	0,52	0,20
Venting	0,00	0,00				0,00	0,20
Flaring	333,92	0,97	0,01	1,84	1,20	0,52	0,00
d. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items: ⁽²⁾							
International Bunkers	6.963,05	0,15	0,39	146,49	13,65	4,10	76,65
Aviation	1.890,49	0,04	0,08	7,64	1,84	0,39	0,12
Marine	5.072,56	0,11	0,32	138,85	11,81	3,72	76,53
Multilateral Operations	0,00	0,00	0,00				
CO₂ Emissions from Biomass	5.579,73						

⁽¹⁾ Include military fuel use under this category.

⁽²⁾ Please do not include in energy totals.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 1 of 4)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	(1)	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A. Fuel Combustion	809,936.03	NCV				58,923.81	12.44	3.12
Liquid Fuels	358,033.68	NCV	70.83	11.16	5.48	25,359.90	4.00	1.96
Solid Fuels	272,203.35	NCV	95.01	2.38	3.00	25,861.53	0.65	0.82
Gaseous Fuels	122,678.04	NCV	62.55	6.80	1.09	7,673.13	0.83	0.13
Biomass	56,619.08	NCV	98.55	122.18	3.63 ⁽³⁾	5,579.73	6.92	0.21
Other Fuels	401.89	NCV	72.77	105.73	0.51	29.25	0.04	0.00
I.A.1. Energy Industries	416,866.73	NCV				32,152.68	1.56	1.05
Liquid Fuels	79,022.98	NCV	56.31	2.34	1.16	4,449.47	0.18	0.09
Solid Fuels	255,268.64	NCV	95.00	1.58	3.00	24,250.52	0.40	0.77
Gaseous Fuels	48,466.03	NCV	71.24	10.17	1.23	3,452.68	0.49	0.06
Biomass	34,109.08	NCV	97.72	14.05	3.94 ⁽³⁾	3,333.30	0.48	0.13
Other Fuels	0.00	NCV	0.00	0.00	0.00	0.00	0.00	0.00
a. Public Electricity and Heat Production	391,244.81	NCV				29,950.13	1.18	1.01
Liquid Fuels	57,340.03	NCV	55.22	1.75	1.19	3,166.47	0.10	0.07
Solid Fuels	255,268.64	NCV	95.00	1.58	3.00	24,250.52	0.40	0.77
Gaseous Fuels	44,527.06	NCV	56.89	4.49	1.00	2,533.14	0.20	0.04
Biomass	34,109.08	NCV	97.72	14.05	3.94 ⁽³⁾	3,333.30	0.48	0.13
Other Fuels	0.00	NCV	0.00	0.00	0.00	0.00	0.00	0.00
b. Petroleum Refining	25,222.67	NCV				1,484.41	0.15	0.03
Liquid Fuels	21,682.95	NCV	59.17	3.89	1.07	1,283.00	0.08	0.02
Solid Fuels	0.00	NCV	0.00	0.00	0.00			
Gaseous Fuels	3,539.72	NCV	56.90	18.50	0.65	201.41	0.07	0.00
Biomass	0.00	NCV	0.00	0.00	0.00 ⁽³⁾			
Other Fuels	0.00	NCV	0.00	0.00	0.00			
c. Manufacture of Solid Fuels and Other Energy Industries	399.25	NCV				718.14	0.23	0.01
Liquid Fuels	0.00	NCV	0.00	0.00	0.00			
Solid Fuels	0.00	NCV	0.00	0.00	0.00			
Gaseous Fuels	399.25	NCV	1,798.72	570.27	31.70	718.14	0.23	0.01
Biomass	0.00	NCV	0.00	0.00	0.00 ⁽³⁾			
Other Fuels	0.00	NCV	0.00	0.00	0.00			

(1)

(2) Accurate estimation of CH₄ and N₂O emissions depends on combustion conditions, technology, and emission control policy, as well as fuel characteristics. Therefore, caution should be used when comparing the implied emission factors.

(3) Carbon dioxide emissions from biomass are reported under Memo Items. The content of the cells is not included in the totals.

Note: For the coverage of fuel categories, please refer to the IPCC Guidelines (Volume 1. Reporting Instructions - Common Reporting Framework, section 1.2, p. 1.19). If some derived gases (e.g. gas work gas, coke oven gas, blast gas, oxygen steel furnace gas, etc.) are considered, Parties should provide information on the allocation of these derived gases under the above fuel categories (liquid, solid, gaseous, biomass, other fuels) in the documentation box at the end of sheet 4 of this table.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 2 of 4)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.2 Manufacturing Industries and Construction	88,133,05	NCV				6,069,76	0,70	0,38
Liquid Fuels	38,646,33	NCV	77,14	5,71	7,32	2,981,34	0,22	0,28
Solid Fuels	14,564,71	NCV	95,15	14,25	2,99	1,385,86	0,21	0,04
Gaseous Fuels	29,922,01	NCV	56,90	4,00	1,00	1,702,56	0,12	0,03
Biomass	5,000,00	NCV	100,74	31,22	3,92 ⁽³⁾	503,69	0,16	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Iron and Steel	922,55	NCV				58,98	0,00	0,00
Liquid Fuels	197,85	NCV	69,84	1,28	1,52	13,82	0,00	0,00
Solid Fuels	87,11	NCV	102,00	1,50	3,00	8,89	0,00	0,00
Gaseous Fuels	637,59	NCV	56,90	4,00	1,00	36,28	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Non-Ferrous Metals	218,90	NCV				15,17	0,00	0,00
Liquid Fuels	194,10	NCV	70,89	7,68	1,56	13,76	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	24,80	NCV	56,90	3,99	1,01	1,41	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Chemicals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
d. Pulp, Paper and Print	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
e. Food Processing, Beverages and Tobacco	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
f. Other (please specify)	86,991,60	NCV				5,995,60	0,70	0,37
Liquid Fuels	38,254,39	NCV	77,21	5,72	7,38	2,953,76	0,22	0,28
Solid Fuels	14,477,60	NCV	95,11	14,33	2,99	1,376,97	0,21	0,04
Gaseous Fuels	29,259,61	NCV	56,90	4,00	1,00	1,664,87	0,12	0,03
Biomass	5,000,00	NCV	100,74	31,22	3,92 ⁽³⁾	503,69	0,16	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 3 of 4)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.3 Transport	160.073,10	NCV				11.765,19	3,04	1,03
Gasoline	83.706,62	NCV	72,97	31,09	8,69	6.108,28	2,60	0,73
Diesel	75.964,59	NCV	74,08	5,23	4,05	5.627,66	0,40	0,31
Natural Gas	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾	0,00	0,00	0,00
Other Fuels	401,89	NCV	72,77	105,73	0,51	29,25	0,04	0,00
a. Civil Aviation	2.431,42	NCV				175,19	0,01	0,01
Aviation Gasoline	132,42	NCV	73,00	21,90	2,00	9,67	0,00	0,00
Jet Kerosene	2.299,00	NCV	72,00	1,70	3,80	165,53	0,00	0,01
b. Road Transportation	145.258,46	NCV				10.667,75	2,96	0,97
Gasoline	81.275,20	NCV	73,00	31,94	8,84	5.933,09	2,60	0,72
Diesel Oil	63.971,90	NCV	74,00	5,68	3,98	4.733,92	0,36	0,25
Natural Gas	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels (please specify)	11,35	NCV				0,74	0,00	0,00
LPG		NCV	0,00	0,00	0,00			
	11,35	NCV	65,00	24,48	0,00	0,74	0,00	0,00
c. Railways	4.103,89	NCV				303,68	0,02	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Liquid Fuels	4.103,89	NCV	74,00	4,83	2,06	303,68	0,02	0,01
Other Fuels (please specify)	0,00	NCV				0,00	0,00	0,00
	0,00	NCV	0,00	0,00	0,00			
d. Navigation	8.279,33	NCV				618,57	0,06	0,04
Coal	0,00	NCV	0,00	0,00	0,00			
Residual Oil	1.572,93	NCV	78,00	1,76	4,89	122,69	0,00	0,01
Gas/Diesel Oil	6.315,86	NCV	74,00	1,80	5,77	467,37	0,01	0,04
Other Fuels (please specify)	390,53	NCV				28,51	0,04	0,00
Kerosene, Gasoline, LPG		NCV	0,00	0,00	0,00			
	390,53	NCV	73,00	108,10	0,52	28,51	0,04	0,00
e. Other Transportation	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 4 of 4)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.4 Other Sectors	144.863,16	NCV				8.684,29	7,11	0,64
Liquid Fuels	80.693,15	NCV	73,63	7,13	6,70	5.941,25	0,58	0,54
Solid Fuels	2.370,00	NCV	95,00	15,00	3,00	225,15	0,04	0,01
Gaseous Fuels	44.290,00	NCV	56,85	5,00	1,00	2.517,89	0,22	0,04
Biomass	17.510,00	NCV	99,53	358,77	2,96 ⁽³⁾	1.742,75	6,28	0,05
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Commercial/Institutional	24.011,33	NCV				1.340,17	0,27	0,03
Liquid Fuels	8.531,33	NCV	68,15	5,77	1,76	581,40	0,05	0,02
Solid Fuels	70,00	NCV	95,00	15,00	3,00	6,65	0,00	0,00
Gaseous Fuels	13.230,00	NCV	56,85	5,00	1,00	752,13	0,07	0,01
Biomass	2.180,00	NCV	82,36	70,68	2,68 ⁽³⁾	179,54	0,15	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Residential	88.551,03	NCV				5.088,25	6,00	0,16
Liquid Fuels	47.181,03	NCV	73,99	8,86	1,98	3.490,83	0,42	0,09
Solid Fuels	490,00	NCV	95,00	15,00	3,00	46,55	0,01	0,00
Gaseous Fuels	27.280,00	NCV	56,85	5,00	1,00	1.550,87	0,14	0,03
Biomass	13.600,00	NCV	101,97	399,71	3,00 ⁽³⁾	1.386,75	5,44	0,04
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Agriculture/Forestry/Fisheries	32.300,79	NCV				2.255,87	0,85	0,45
Liquid Fuels	24.980,79	NCV	74,82	4,34	17,31	1.869,02	0,11	0,43
Solid Fuels	1.810,00	NCV	95,00	15,00	3,00	171,95	0,03	0,01
Gaseous Fuels	3.780,00	NCV	56,85	5,00	1,00	214,89	0,02	0,00
Biomass	1.730,00	NCV	102,00	400,00	3,00 ⁽³⁾	176,46	0,69	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00			
I.A.5 Other (Not elsewhere specified) ⁽⁴⁾	0,00	NCV				251,89	0,01	0,01
Liquid Fuels	0,00	NCV	0,00	0,00	0,00	251,89	0,01	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

⁽⁴⁾ Include military fuel use under this category.

Documentation Box:

I.A.2f note: Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.

TABLE 1.A(b) SECTORAL BACKGROUND DATA FOR ENERGY
CO₂ from Fuel Combustion Activities - Reference Approach (IPCC Worksheet 1-1)
(Sheet 1 of 1)

Denmark
1995
April 11, 2001

FUEL TYPES			Unit	Production	Imports	Exports	International bunkers	Stock change	Apparent consumption	Conversion factor ⁽¹⁾ (TJ/Unit)	⁽¹⁾	Apparent consumption (TJ)	Carbon emission factor (t C/TJ)	Carbon content (Gg C)	Carbon stored (Gg C)	Net carbon emissions (Gg C)	Fraction of carbon oxidized	Actual CO ₂ emissions (Gg CO ₂)	
Liquid Fossil	Primary Fuels	Crude Oil							0,00		NCV	0,00		0,00		0,00		0,00	
		Orimulsion							0,00		NCV	0,00		0,00		0,00		0,00	
		Natural Gas Liquids							0,00		NCV	0,00		0,00		0,00		0,00	
	Secondary Fuels	Gasoline								0,00		NCV	0,00		0,00		0,00		0,00
		Jet Kerosene								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Other Kerosene								0,00		NCV	0,00		0,00		0,00		0,00
		Shale Oil								0,00		NCV	0,00		0,00		0,00		0,00
		Gas / Diesel Oil								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Residual Fuel Oil								0,00		NCV	0,00		0,00		0,00		0,00
		LPG								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Ethane								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Naphtha								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Bitumen								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Lubricants								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Petroleum Coke								0,00		NCV	0,00		0,00		0,00		0,00
		Refinery Feedstocks								0,00		NCV	0,00		0,00		0,00		0,00
Other Oil								0,00		NCV	0,00		0,00		0,00		0,00		
Liquid Fossil Totals												0,00		0,00	0,00	0,00		0,00	
Solid Fossil	Primary Fuels	Anthracite ⁽²⁾							0,00		NCV	0,00		0,00		0,00		0,00	
		Coking Coal							0,00		NCV	0,00		0,00	0,00	0,00		0,00	
		Other Bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Sub-bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Lignite							0,00		NCV	0,00		0,00		0,00		0,00	
		Oil Shale							0,00		NCV	0,00		0,00		0,00		0,00	
	Peat							0,00		NCV	0,00		0,00		0,00		0,00		
	Secondary Fuels	BKB & Patent Fuel							0,00		NCV	0,00		0,00		0,00		0,00	
		Coke Oven/Gas Coke							0,00		NCV	0,00		0,00		0,00		0,00	
Solid Fuel Totals												0,00		0,00	0,00	0,00		0,00	
Gaseous Fossil	Natural Gas (Dry)							0,00		NCV	0,00		0,00	0,00	0,00	0,00		0,00	
Total												0,00		0,00	0,00	0,00		0,00	
Biomass total												0,00		0,00	0,00	0,00		0,00	
	Solid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Liquid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Gas Biomass								0,00		NCV	0,00		0,00		0,00		0,00	

⁽¹⁾ To convert quantities expressed in natural units to energy units, use net calorific values (NCV). If gross calorific values (GCV) are used in this table, please indicate this by replacing "NCV" with "GCV" in this column.

⁽²⁾ If Anthracite is not separately available, include with Other Bituminous Coal.

TABLE 1.A(c) COMPARISON OF CO₂ EMISSIONS FROM FUEL COMBUSTION
(Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

FUEL TYPES	Reference approach		National approach ⁽¹⁾		Difference ⁽²⁾	
	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (%)	CO ₂ emissions (%)
Liquid Fuels (excluding international bunkers)	0,00	0,00	358,03	25.359,90	-100,00	-100,00
Solid Fuels (excluding international bunkers)	0,00	0,00	272,20	25.861,53	-100,00	-100,00
Gaseous Fuels	0,00	0,00	122,68	7.673,13	-100,00	-100,00
Other ⁽³⁾			0,40	29,25	-100,00	-100,00
Total ⁽³⁾	0,00	0,00	753,32	58.923,81	-100,00	-100,00

⁽¹⁾ "National approach" is used to indicate the approach (if different from the Reference approach) followed by the Party to estimate its CO₂ emissions from fuel combustion reported in the national GHG inventory.

⁽²⁾ Difference of the Reference approach over the National approach (i.e. difference = 100% x ((RA-NA)/NA), where NA = National approach and RA = Reference approach).

⁽³⁾ Emissions from biomass are not included.

Note: In addition to estimating CO₂ emissions from fuel combustion by sector, Parties should also estimate these emissions using the IPCC Reference approach, as found in the IPCC Guidelines, Worksheet 1-1(Volume 2. Workbook). The Reference approach is to assist in verifying the sectoral data. Parties should also complete the above tables to compare the alternative estimates, and if the emission estimates lie more than 2 percent apart, should explain the source of this difference in the documentation box provided.

Documentation Box:

--

TABLE 1.A(d) SECTORAL BACKGROUND DATA FOR ENERGY
Feedstocks and Non-Energy Use of Fuels
(Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

FUEL TYPE ⁽¹⁾	ACTIVITY DATA AND RELATED INFORMATION		IMPLIED EMISSION FACTOR	ESTIMATE
	Fuel quantity (TJ)	Fraction of carbon stored	Carbon emission factor (t C/TJ)	of carbon stored in non energy use of fuels (Gg C)
Naphtha ⁽²⁾			0,00	
Lubricants			0,00	
Bitumen			0,00	
Coal Oils and Tars (from Coking Coal)			0,00	
Natural Gas ⁽²⁾			0,00	
Gas/Diesel Oil ⁽²⁾			0,00	
LPG ⁽²⁾			0,00	
Butane ⁽²⁾			0,00	
Ethane ⁽²⁾			0,00	
Other (please specify) <input type="checkbox"/>				
			0,00	

Additional information ^(a)

CO ₂ not emitted (Gg CO ₂)	Subtracted from energy sector (specify source category)
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	

⁽¹⁾ Where fuels are used in different industries, please enter in different rows.
⁽²⁾ Enter these fuels when they are used as feedstocks.

^(a) The fuel lines continue from the table to the left.

Note: The table is consistent with the IPCC Guidelines. Parties that take into account the emissions associated with the use and disposal of these feedstocks could continue to use their methodology, and provide explanation notes in the documentation box below.

Documentation box: A fraction of energy carriers is stored in such products as plastics or asphalt. The non-stored fraction of the carbon in the energy carrier or product is oxidized, resulting in carbon dioxide emissions, either during the use of the energy carriers in the industrial production (e.g. fertilizer production), or during the use of the products (e.g. solvents, lubricants), or in both (e.g. monomers). To report associated emissions use the above table, filling an extra "Additional information" table, as shown below.	
Associated CO ₂ emissions (Gg)	Allocated under <input type="checkbox"/> ^(a) e.g. Industrial Processes, Waste Incineration, etc. (Specify source category) ^(a)

TABLE 1.B.1 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Solid Fuels
(Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTOR		EMISSIONS	
	Amount of fuel produced ⁽¹⁾	CH ₄	CO ₂	CH ₄	CO ₂
	(Mt)	(kg/t)	(kg/t)	(Gg)	(Gg)
1. B. 1. a. Coal Mining and Handling	0,00			0,00	0,00
i. Underground Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
ii. Surface Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
1. B. 1. b. Solid Fuel Transformation	0,00	0,00	0,00		
1. B. 1. c. Other (please specify) ⁽³⁾ <input type="button" value=""/>				6,27	0,00
Storage of solid fuel.		0,00	0,00		
	12,94	0,48	0,00	6,27	

⁽¹⁾ Use the documentation box to specify whether the fuel amount is based on the run-of-mine (ROM) production or on the saleable production.

⁽²⁾ Emissions both for Mining Activities and Post-Mining Activities are calculated with the activity data in lines Underground Mines and Surface Mines respectively.

⁽³⁾ Please click on the button to enter any other solid fuel related activities resulting in fugitive emissions, such as emissions from abandoned mines and waste piles.

Note: There are no clear references to the coverage of 1.B.1.b. and 1.B.1.c. in the IPCC Guidelines. Make sure that the emissions entered here are not reported elsewhere. If they are reported under another source category, indicate this (IE) and make a reference in Table 9 (completeness) and/or in the documentation box.

Documentation box:

Additional information ^(a)

Description	Value
Amount of CH ₄ drained (recovered) and utilized or flared (Gg)	
Number of active underground mines	
Number of mines with drainage (recovery) systems	

^(a) For underground mines.

TABLE 1.B.2 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Oil and Natural Gas
(Sheet 1 of 1)

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA			IMPLIED EMISSION FACTORS			EMISSIONS		
	Description ⁽¹⁾	Unit	Value	CO ₂ (kg/unit) ⁽²⁾	CH ₄ (kg/unit) ⁽²⁾	N ₂ O (kg/unit) ⁽²⁾	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
1. B. 2. a. Oil ⁽³⁾							0,00	0,05	
i. Exploration	(e.g. number of wells drilled)		0,00	0,00	0,00				
ii. Production ⁽⁴⁾	(e.g. PJ of oil produced)		0,00	0,00	0,00				
iii. Transport	(e.g. PJ oil loaded in tankers)		0,00	0,00	0,00				
iv. Refining / Storage	(e.g. PJ oil refined)		0,00	0,00	0,00				
v. Distribution of oil products	(e.g. PJ oil refined)	Mg product	2.006.998	0,00	0,00		0,00	0,00	
vi. Other		Mg Crude	9.806.171	0,00	0,00			0,05	
1. B. 2. b. Natural Gas							0,00	10,08	
Exploration				0,00	0,00				
i. Production ⁽⁴⁾ / Processing	(e.g. PJ gas produced)	1000 m3	2.500.000	0,00	0,65			1,63	
ii. Transmission	(e.g. PJ gas consumed)	1000 m3	3.800.001	0,00	2,22		0,00	8,45	
Distribution	(e.g. PJ gas consumed)			0,00	0,00				
iii. Other Leakage	(e.g. PJ gas consumed)			0,00	0,00				
at industrial plants and power stations				0,00	0,00				
in residential and commercial sectors				0,00	0,00				
1. B. 2. c. Venting ⁽⁵⁾							0,00	0,00	
i. Oil	(e.g. PJ oil produced)			0,00	0,00				
ii. Gas	(e.g. PJ gas produced)			0,00	0,00				
iii. Combined				0,00	0,00				
Flaring							333,92	0,97	0,01
i. Oil	(e.g. PJ gas consumption)	GJ	11.832	19,24	0,05	0,00	0,23	0,00	0,00
ii. Gas	(e.g. PJ gas consumption)	GJ	195.041	1.710,86	4,95	0,03	333,69	0,96	0,01
iii. Combined				0,00	0,00	0,00			
1.B.2.d. Other (please specify) ⁽⁶⁾				0,00	0,00	0,00	0,00	0,00	0,00

Additional information

Description	Value	Unit
Pipelines length (km)		
Number of oil wells		
Number of gas wells		
Gas throughput ^(a)		
Oil throughput ^(a)		
Other relevant information (specify)		

^(a) In the context of oil and gas production, throughput is a measure of the total production, such as barrels per day of oil, or cubic meters of gas per year. Specify the units of the reported value in the unit column. Take into account that these values should be consistent with the activity data reported under the production rows of the main table.

⁽¹⁾ Specify the activity data used and fill in the activity data description column, as given in the examples in brackets. Specify the unit of the activity data in the unit column. Use the document box to specify whether the fuel amount is based on the raw material production or on the saleable production. Note cases where more than one variable is used as activity data.

⁽²⁾ The unit of the implied emission factor will depend on the units of the activity data used, and is therefore not specified in this column. The unit of the implied emission factor for each activity will be kg/unit of activity data.

⁽³⁾ Use the category also to cover emissions from combined oil and gas production fields. Natural gas processing and distribution from these fields should be included under 1.B.2.b.ii and 1.B.2.b.iii, respectively.

⁽⁴⁾ If using default emission factors these categories will include emissions from production other than venting and flaring.

⁽⁵⁾ If using default emission factors, emissions from Venting and Flaring from all oil and gas production should be accounted for here. Parties using the IPCC software could report those emissions together, indicating so in the documentation box.

⁽⁶⁾ For example, fugitive CO₂ emissions from production of geothermal power could be reported here.

Documentation box:

TABLE 1.C SECTORAL BACKGROUND DATA FOR ENERGY
International Bunkers and Multilateral Operations
(Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS			EMISSIONS		
	Consumption (TJ)	CO ₂ (t/TJ)	CH ₄ (kg/TJ)	N ₂ O (kg/TJ)	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Marine Bunkers	66.404,22				5.072,56	0,11	0,32
Gasoline	0,00	0,00	0,00	0,00			
Gas/Diesel Oil	26.742,61	74,00	1,69	4,68	1.978,95	0,05	0,13
Residual Fuel Oil	39.661,62	78,00	1,76	4,89	3.093,61	0,07	0,19
Lubricants	0,00	0,00	0,00	0,00			
Coal	0,00	0,00	0,00	0,00			
Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
		0,00	0,00	0,00			
Aviation Bunkers	26.256,64				1.890,49	0,04	0,08
Jet Kerosene	26.243,68	72,00	1,51	2,87	1.889,55	0,04	0,08
Gasoline	12,96	73,00	21,91	2,01	0,95	0,00	0,00
Multilateral Operations ⁽¹⁾							

Additional information

Fuel consumption	Allocation ^(a) (percent)	
	Domestic	International
Marine	11,09	88,91
Aviation	8,48	91,52

^(a) For calculating the allocation of fuel consumption, use the sums of fuel consumption by domestic navigation and aviation (Table 1.A(a)) and by international bunkers (Table 1.C).

⁽¹⁾ Parties may choose to report or not report the activity data and emission factors for multilateral operation consistent with the principle of confidentiality stated in the UNFCCC reporting guidelines on inventories. In any case, Parties should report the emissions from multilateral operations, where available, under the Memo Items section of the Summary tables and in the Sectoral report table for energy.

Note: In accordance with the IPCC Guidelines, international aviation and marine bunker fuel emissions from fuel sold to ships or aircraft engaged in international transport should be excluded from national totals and reported separately for informational purposes only.

Documentation box: Please explain how the consumption of international marine and aviation bunkers fuels was estimated and separated from the domestic consumption.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 1 of 2)

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
Total Industrial Processes	1,311,00	0,00	0,00	1,176,69	125,99	14,00	0,00	0,02	0,00	0,60	0,00	0,63	0,22
A. Mineral Products	1,311,00	0,00	0,00							0,00	0,00	0,00	0,00
1. Cement Production	1,202,83												
2. Lime Production	108,18												
3. Limestone and Dolomite Use	0,00												
4. Soda Ash Production and Use	0,00												
5. Asphalt Roofing	0,00												
6. Road Paving with Asphalt	0,00												
7. Other (please specify)	0,00	0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,60	0,00	0,00	0,22
1. Ammonia Production	0,00	0,00											
2. Nitric Acid Production			0,00							0,60			
3. Adipic Acid Production			0,00										
4. Carbide Production	0,00	0,00											
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,22
C. Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Iron and Steel Production	0,00	0,00											
2. Ferroalloys Production	0,00	0,00											
3. Aluminium Production	0,00	0,00					0,00						
4. SF ₆ Used in Aluminium and Magnesium Foundries									0,00				
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

methods exist for both tiers.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 2 of 2)

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
D. Other Production	0,00									0,00	0,00	0,63	0,00
1. Pulp and Paper													
2. Food and Drink ⁽²⁾	0,00											0,63	
E. Production of Halocarbons and SF₆					0,00		0,00		0,00				
1. By-product Emissions					0,00		0,00		0,00				
Production of HCFC-22					0,00								
Other					0,00		0,00		0,00				
2. Fugitive Emissions					0,00		0,00		0,00				
3. Other (please specify)					0,00		0,00		0,00				
F. Consumption of Halocarbons and SF₆				1.176,69	125,99	14,00	0,00	0,02	0,00				
1. Refrigeration and Air Conditioning Equipment				783,27	41,03	14,00	0,00		0,00				
2. Foam Blowing				393,42	84,96		0,00		0,00				
3. Fire Extinguishers					0,00		0,00		0,00				
4. Aerosols/ Metered Dose Inhalers					0,00		0,00		0,00				
5. Solvents					0,00		0,00		0,00				
6. Semiconductor Manufacture					0,00		0,00		0,00				
7. Electrical Equipment								0,00	0,00				
8. Other (please specify)				0,00	0,00	0,00	0,00	0,01	0,00				
Emissions of SF ₆ from (1) window plate production, (2) research laboratories and (3) running shoes.													
								0,01	0,00				
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	0,00												

⁽²⁾ CO₂ from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO₂ emissions of non-biogenic origin should be reported.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
 (Sheet 1 of 2)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
A. Mineral Products						1,311,00		0,00		0,00	
1. Cement Production	<i>(e.g. cement or clinker production)</i>	2.273,78	0,53			1.202,83					
2. Lime Production		192,22	0,56			108,18					
3. Limestone and Dolomite Use		0,00	0,00								
4. Soda Ash						0,00					
Soda Ash Production		0,00	0,00								
Soda Ash Use			0,00								
5. Asphalt Roofing		0,00	0,00								
6. Road Paving with Asphalt		0,00	0,00								
7. Other <i>(please specify)</i>						0,00		0,00		0,00	
Glass Production			0,00								
		0,00	0,00	0,00	0,00						
B. Chemical Industry						0,00		0,00		0,00	
1. Ammonia Production ⁽³⁾		0,00	0,00	0,00	0,00						
2. Nitric Acid Production		400,00			0,00						
3. Adipic Acid Production		0,00			0,00						
4. Carbide Production			0,00	0,00		0,00		0,00			
Silicon Carbide		0,00	0,00	0,00							
Calcium Carbide			0,00	0,00							
5. Other <i>(please specify)</i>						0,00		0,00		0,00	
Carbon Black				0,00							
Ethylene			0,00	0,00	0,00						
Dichloroethylene				0,00							
Styrene				0,00							
Methanol				0,00							
		100,00	0,00	0,00	0,00						

⁽¹⁾ Where the IPCC Guidelines provide options for activity data, e.g. cement or clinker for estimating the emissions from Cement Production, specify the activity data used (as shown in the example in brackets) in order to make the choice of emission factor more transparent and to facilitate comparisons of implied emission factors.

⁽²⁾ Enter cases in which the final emissions are reduced with the quantities of emission recovery, oxidation, destruction, transformation. Adjusted emissions are reported and the quantitative information on recovery, oxidation, destruction, and transformation should be given in the additional columns provided.

⁽³⁾ To avoid double counting make offsetting deductions from fuel consumption (e.g. natural gas) in Ammonia Production, first for feedstock use of the fuel, and then to a sequestering use of the feedstock.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
(Sheet 2 of 2)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption Quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
C. Metal Production⁽⁴⁾						0,00		0,00		0,00	
1. Iron and Steel Production		0,00	0,00			0,00		0,00			
Steel		657,02	0,00								
Pig Iron		0,00	0,00	0,00							
Sinter		0,00	0,00	0,00							
Coke		0,00	0,00	0,00							
Other (please specify) <input type="checkbox"/>						0,00		0,00			
		0,00	0,00	0,00	0,00						
2. Ferroalloys Production		0,00	0,00	0,00							
3. Aluminium Production		0,00	0,00	0,00							
4. SF ₆ Used in Aluminium and Magnesium Foundries											
5. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00						
D. Other Production						0,00					
1. Pulp and Paper											
2. Food and Drink			0,00								
G. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00	0,00					

⁽⁴⁾ More specific information (e.g. data on virgin and recycled steel production) could be provided in the documentation box.

Note: In case of confidentiality of the activity data information, the entries should provide aggregate figures but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 1 of 2)

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mce	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs ⁽¹⁾	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs ⁽¹⁾	SF ₆
	(t) ⁽²⁾																						
Total Actual Emissions of Halocarbons (by chemical) and SF₆	0,00	0,24	0,00	0,00	4,65	0,00	69,58	43,40	0,00	4,28	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		4,49
C. Metal Production															0,00	0,00							1,50
Aluminium Production															0,00	0,00							
SF ₆ Used in Aluminium Foundries																							0,00
SF ₆ Used in Magnesium Foundries																							1,50
E. Production of Halocarbons and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
1. By-product Emissions	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production of HCFC-22	0,00																						
Other																							
2. Fugitive Emissions																							
3. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
F(a). Consumption of Halocarbons and SF₆ (actual emissions - Tier 2)	0,00	0,24	0,00	0,00	4,65	0,00	69,58	43,40	0,00	4,28	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		2,99
1. Refrigeration and Air Conditioning Equipment		0,24			4,65		8,85	0,40		4,28							0,00						
2. Foam Blowing							60,72	43,00															
3. Fire Extinguishers																							
4. Aerosols/Metered Dose Inhalers																							
5. Solvents																							
6. Semiconductor Manufacture																							
7. Electrical Equipment																							0,16
8. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		2,83
Emissions of SF ₆ from (1) window plate production, (2) research laboratories and (3) running shoes.																							2,83
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00

⁽¹⁾ Although shaded, the columns with HFCs and PFCs totals on sheet 1 are kept for consistency with sheet 2 of the table.

⁽²⁾ Note that the units used in this table differ from those used in the rest of the Sectoral report tables, i.e. [t] instead of [Gg].

Note: Where information is confidential the entries should provide aggregate figures but there should be a note indicating this in the relevant documentation boxes of the Sectoral background data tables or as a comment to the corresponding cell. Gases with GWP not yet agreed upon by the COP, should be reported in Table 9 (Completeness), sheet 2.

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 2 of 2)

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ea	Total HFCs	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs	SF ₆
	(t) ⁽²⁾																						
F(p). Total Potential Emissions of Halocarbons (by chemical) and SF₆ ⁽³⁾	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production ⁽⁴⁾																							
Import:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Export:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Destroyed amount																							
GWP values used	11700	650	150	1300	2800	1000	1300	140	300	3800	2900	6300	560		6500	9200	7000	7000	8700	7500	7400		23900
Total Actual Emissions ⁽⁶⁾ (Gg CO ₂ eq.)	0,00	0,16	0,00	0,00	13,03	0,00	90,45	6,08	0,00	16,27	0,00	0,00	0,00	125,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	107,36
C. Metal Production															0,00	0,00							35,85
E. Production of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F(a). Consumption of Halocarbons and SF ₆	0,00	0,16	0,00	0,00	13,03	0,00	90,45	6,08	0,00	16,27	0,00	0,00	0,00	125,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	71,51
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Ratio of Potential/Actual Emissions from Consumption of Halocarbons and SF₆																							
Actual emissions - F(a) (Gg CO ₂ eq.)	0,00	0,16	0,00	0,00	13,03	0,00	90,45	6,08	0,00	16,27	0,00	0,00	0,00	125,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	71,51
Potential emissions - F(p) (7) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential/Actual emissions ratio	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽³⁾ manner corresponding to the subsectors for actual emissions defined on sheet 1 of this table, these should be reported in an annex to sheet 2, using the format of sheet 1, sector F(a). Use Summary 3 of this common reporting format to indicate whether Tier 1a or Tier 1b was used.

⁽⁴⁾ Production refers to production of new chemicals. Recycled substances could be included here, but it should be ensured that double counting of emissions is avoided. Relevant explanations should be provided as a comment to the corresponding cell.

⁽⁵⁾ Relevant just for Tier 1b.

⁽⁶⁾ Sums of the actual emissions of each chemical of halocarbons and SF₆ from the source categories given in sheet 1 of the table multiplied by the corresponding GWP values.

⁽⁷⁾ Potential emissions of each chemical of halocarbons and SF₆ taken from row F(p) multiplied by the corresponding GWP values.

Note: As stated in the revised UNFCCC guidelines, Parties should report actual emissions of HFCs, PFCs and SF₆, where data are available, providing disaggregated data by chemical and source category in units of mass and in CO₂ equivalents. Parties reporting actual emissions should also report potential emissions for the sources where the concept of potential emissions applies, for reasons of transparency and comparability.

TABLE 2(II). C, E SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Metal Production; Production of Halocarbons and SF₆
(Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾	EMISSIONS ⁽²⁾	
	Description ⁽¹⁾	(t)	(kg/t)	(t)	⁽³⁾
C. PFCs and SF₆ from Metal Production					
PFCs from Aluminium Production					
CF ₄			0,00		
C ₂ F ₆			0,00		
SF ₆				1,50	
Aluminium Foundries	(SF ₆ consumption)		0,00		
Magnesium Foundries			0,00	1,50	
E. Production of Halocarbons and SF₆					
1. By-product Emissions					
Production of HCFC-22					
HFC-23			0,00		
Other (specify chemical) <input type="checkbox"/>			0,00		
2. Fugitive Emissions					
HFCs (specify chemical) <input type="checkbox"/>			0,00		
PFCs (specify chemical) <input type="checkbox"/>			0,00		
SF ₆			0,00		
3. Other (please specify) <input type="checkbox"/>			0,00		

⁽¹⁾ Specify the activity data used as shown in the examples within brackets. Where applying Tier 1b (for C), Tier 2 (for E) and country specific methods, specify any other relevant activity data used in the documentation box below.

⁽²⁾ Emissions and implied emission factors are after recovery.









⁽³⁾ Enter cases in which the final emissions are reported after subtracting the quantities of emission recovery, oxidation, destruction, transformation. Enter these quantities in the specified column and use the documentation box for further explanations.

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 1 of 2)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
1 Refrigeration									
Air Conditioning Equipment									
Domestic Refrigeration (<i>Specify chemical</i>) ⁽²⁾ 									
(e.g. HFC-32)									
(e.g. HFC-125)									
(e.g. HFC-134a)									
(e.g. HFC-152a)									
(e.g. HFC-143a)									
Commercial Refrigeration 									
Transport Refrigeration 									
Industrial Refrigeration 									
Stationary Air-Conditioning 									
Mobile Air-Conditioning 									
2 Foam Blowing									
Hard Foam 									
Soft Foam 									

⁽¹⁾ Parties should use the documentation box to provide information on the amount of the chemical recovered (recovery efficiency) and other relevant information used in the emission estimation.

⁽²⁾ Please click on the button to specify the chemical consumed, as given in the example. If needed, new rows could be added for reporting the disaggregated chemicals from a source by clicking on the corresponding button.

Note: Table 2.(II).F provides for reporting of the activity data and emission factors used to calculate actual emissions from consumption of halocarbons and SF₆ using the "bottom-up approach" (based on the total stock of equipment and estimated emission rates from this equipment). Some Parties may prefer to estimate their actual emissions following the alternative "top-down approach" (based on annual sales of equipment and/or gas). These Parties should provide the activity data used in the current format and any other relevant information in the documentation box at the end of Table2(II)Fs2. Data these Parties should provide includes (1) the amount of fluid used to fill new products, (2) the amount of fluid used to service existing products, (3) the amount of fluid originally used to fill retiring products (the total nameplate capacity of retiring products), (4) the product lifetime, and (5) the growth rate of product sales, if this has been used to calculate the amount of fluid originally used to fill retiring products. Alternatively, Parties may provide alternative formats with equivalent information. These formats may be considered for future versions of the common reporting format after the trial period.

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 2 of 2)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
3 Fire Extinguishers <input type="checkbox"/>									
4 Aerosols									
Metered Dose Inhalers <input type="checkbox"/>									
Other <input type="checkbox"/>									
5 Solvents <input type="checkbox"/>									
6 Semiconductors <input type="checkbox"/>									
7 Electric Equipment <input type="checkbox"/>									
8 Other (please specify) <input type="checkbox"/>									

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note indicating this and explanations in the documentation box.

Documentation box:

TABLE 3 SECTORAL REPORT FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	N ₂ O	NM VOC
	(Gg)		
Total Solvent and Other Product Use	117,67	0,00	40,15
A. Paint Application	75,77		24,31
B. Degreasing and Dry Cleaning	0,00		
C. Chemical Products, Manufacture and Processing			2,40
D. Other (please specify)	41,89	0,00	13,44
<i>(Use of N₂O for Anaesthesia)</i>	0,00		
<i>(N₂O from Fire Extinguishers)</i>	0,00		
<i>(N₂O from Aerosol Cans)</i>	0,00		
<i>(Other Use of N₂O)</i>	0,00		
	41,89		13,44

Please account for the quantity of carbon released in the form of NMVOC in both the NMVOC and the CO₂ columns.

Note: The IPCC Guidelines do not provide methodologies for the calculation of emissions of N₂O from Solvent and Other Product Use. If reporting such data, Parties should provide additional information (activity data and emission factors) used to make these estimates in the documentation box to Table 3.A-D.

TABLE 3.A-D SECTORAL BACKGROUND DATA FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS	
	Description	(kt)	CO ₂ (t/t)	N ₂ O (t/t)
A. Paint Application		0,00	0,00	0,00
B. Degreasing and Dry Cleaning		1,97	0,00	0,00
C. Chemical Products, Manufacture and Processing				
D. Other (please specify) ⁽¹⁾				
(Use of N ₂ O for Anaesthesia)		0,00	0,00	0,00
(N ₂ O from Fire Extinguishers)		0,00	0,00	0,00
(N ₂ O from Aerosol Cans)		0,00	0,00	0,00
(Other Use of N ₂ O)		0,00	0,00	0,00

⁽¹⁾ Some probable sources are provided in brackets. Complement the list with other relevant sources. Make sure that the order is the same as in Table 3.

Note: The table follows the format of the IPCC Sectoral Report for Solvent and Other Product Use, although some of the source categories are not relevant to the direct GHG emissions.

Documentation box:

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 1 of 2)

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK	CH ₄	N ₂ O	NO _x	CO	NMVOC
CATEGORIES	(Gg)				
Total Agriculture	186,98	29,46	0,00	0,00	1,33
A. Enteric Fermentation	142,52				
1. Cattle	124,41				
Dairy Cattle	73,06				
Non-Dairy Cattle	51,35				
2. Buffalo					
3. Sheep	1,16				
4. Goats					
5. Camels and Llamas					
6. Horses	0,32				
7. Mules and Asses					
8. Swine	16,63				
9. Poultry					
10. Other (please specify)	0,00				
B. Manure Management	44,47	1,57			0,00
1. Cattle	16,39				
Dairy Cattle	14,17				
Non-Dairy Cattle	2,22				
2. Buffalo					
3. Sheep	0,07				
4. Goats					
5. Camels and Llamas					
6. Horses	0,02				
7. Mules and Asses					
8. Swine	27,24				
9. Poultry	0,76				

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 2 of 2)

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O	NO _x	CO	NMVOC
	(Gg)				
B. Manure Management (continued)					
10. Anaerobic Lagoons					
11. Liquid Systems		0,23			
12. Solid Storage and Dry Lot		1,34			
13. Other (please specify) <input type="checkbox"/>		0,00			0,00
C. Rice Cultivation	0,00				0,00
1. Irrigated	0,00				
2. Rainfed	0,00				
3. Deep Water	0,00				
4. Other (please specify) <input type="checkbox"/>	0,00				0,00
D. Agricultural Soils ⁽¹⁾	0,00	27,89			1,33
1. Direct Soil Emissions		17,53			1,33
2. Animal Production		1,21			
3. Indirect Emissions		9,06			
4. Other (please specify) <input type="checkbox"/>	0,00	0,10			0,00
E. Prescribed Burning of Savannas	0,00	0,00			
F. Field Burning of Agricultural Residues	0,00	0,00	0,00	0,00	0,00
1. Cereals	0,00	0,00			
2. Pulse	0,00	0,00			
3. Tuber and Root	0,00	0,00			
4. Sugar Cane	0,00	0,00			
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00
G. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ See footnote 4 to Summary 1.A of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category of the sector Agriculture should indicate the amount [Gg] of these emissions or removals in the documentation box to Table 4.D. Additional information (activity data, implied emissions factors) should also be provided using the relevant documentation box to Table 4.D. This table is not modified for reporting the CO₂ emissions and removals for the sake of consistency with the IPCC tables (i.e. IPCC Sectoral Report for Agriculture).

Note: The IPCC Guidelines do not provide methodologies for the calculation of CH₄ emissions, CH₄ and N₂O removals from agricultural soils, or CO₂ emissions from savanna burning or agricultural residues burning. If you have reported such data, you should provide additional information (activity data and emission factors) used to make these estimates using the relevant documentation boxes of the Sectoral background data tables.

TABLE 4.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

Denmark

1995

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA ⁽¹⁾ AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS
	Population size ⁽²⁾ (1000 head)	Average daily feed intake (MJ/day)	CH ₄ conversion (%)	CH ₄ (kg CH ₄ /head/yr)
1. Cattle	0			0,00
Dairy Cattle ⁽³⁾	702			104,00
Non-Dairy Cattle	1.388			37,00
2. Buffalo	0			0,00
3. Sheep	145			8,00
4. Goats	0			0,00
5. Camels and Llamas	0			0,00
6. Horses	18			18,00
7. Mules and Asses	0			0,00
8. Swine	11.084			1,50
9. Poultry	0			0,00
10. Other (please specify) <input type="checkbox"/>				0,00

Additional information (for Tier 2) ^(a)

Disaggregated list of animals ^(b)	Dairy Cattle	Non-Dairy Cattle	Other (specify)	Indicators:	
				Weight (kg)	Feeding situation ^(c)
			<input type="checkbox"/>		
Weight	(kg)				
Feeding situation ^(c)					
Milk yield	(kg/day)				
Work	(hrs/day)				
Pregnant	(%)				
Digestibility of feed	(%)				

^(a) Compare to Tables A-1 and A-2 of the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.31-4.34). These data are relevant if Parties do not have data on average feed intake.

^(b) Disaggregate to the split actually used. Add columns to the table if necessary.

^(c) Specify feeding situation as pasture, stall fed, confined, open range, etc.

⁽¹⁾ In the documentation boxes to all Sectoral background data tables for Agriculture, Parties should provide information on whether the activity data is one year or a 3-year average.

⁽²⁾ Parties are encouraged to provide detailed livestock population data by animal type and region in a separate table below the documentation box. This consistent set of animal population statistics should be used to estimate CH₄ emissions from enteric fermentation, CH₄ and N₂O from manure management, N₂O direct emissions from soil and N₂O emissions associated with manure production, as well as emissions from the use of manure as fuel, and sewage-related emissions reported in the waste sector.

⁽³⁾ Including data on dairy heifers, if available.

Documentation box:

TABLE 4.B(a) SECTORAL BACKGROUND DATA FOR AGRICULTURE
CH₄ Emissions from Manure Management
 (Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS CH ₄ (kg CH ₄ /head/yr)	
	Population size (1) (1000 head)	Allocation by climate region (2)			Typical animal mass (kg)	VS ⁽³⁾ daily excretion (kg dm/head/yr)		CH ₄ producing potential (Bo) ⁽³⁾ (CH ₄ m ³ /kg VS)
		Cool	Temperate	Warm				
1. Cattle	0						0,00	
Dairy Cattle ⁽⁴⁾	702						20,17	
Non-Dairy Cattle	1,388						1,60	
2. Buffalo	0						0,00	
3. Sheep	212						0,31	
4. Goats	0						0,00	
5. Camels and Llamas	0						0,00	
6. Horses	53						0,37	
7. Mules and Asses	0						0,00	
8. Swine	17,499						1,56	
9. Poultry	23,916						0,03	

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ Climate regions are defined in terms of annual average temperature as follows: Cool=less than 15°C; Temperate=15°C to 25°C inclusive; and Warm=greater than 25°C (see Table 4.2 of the IPCC Guidelines (Volume 3, Reference Manual, p. 4.8)).

⁽³⁾ VS=Volatile Solids; Bo=maximum methane producing capacity for manure IPCC Guidelines (Volume 3, Reference Manual, p.4.23 and p. 4.15.

⁽⁴⁾ Including data on dairy heifers, if available.

Documentation Box:

Additional information (for Tier 2)

Animal category ^(a)	Indicator	Climate region	Animal waste management system					
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range paddock	Other
Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Non-Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Swine	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						

^(a) Copy the above table as many times as necessary.

^(b) MCF = Methane Conversion Factor (IPCC Guidelines, (Volume 3, Reference Manual, p. 4.9)). In the case of use of other climate region categorization, please replace the entries in the cells with the climate regions for which the MCFs are specified.

TABLE 4.B(b) SECTORAL BACKGROUND DATA FOR AGRICULTURE
N₂O Emissions from Manure Management
(Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION								IMPLIED EMISSION FACTORS	
	Population size (1) (1000s)	Nitrogen excretion (kg N/head/yr)	Nitrogen excretion per animal waste management system (kg N/yr)						Emission factor per animal waste management system (kg N ₂ O-N/kg N)	
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range and paddock	Other		
Non-Dairy Cattle	702								Anaerobic lagoon	0,000
Dairy Cattle	1.388								Liquid system	0,000
Sheep	212								Solid storage and dry lot	0,000
Swine	17.499								Other	0,000
Poultry	23.916									
Other (please specify) <input type="checkbox"/>										
Total per AWMS⁽²⁾			0,0	0,0	0,0	0,0	0,0	0,0		

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ AWMS - Animal Waste Management System.

Documentation box:

TABLE 4.C SECTORAL BACKGROUND DATA FOR AGRICULTURE

Rice Cultivation

(Sheet 1 of 1)

Denmark

1995

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR ⁽¹⁾	EMISSIONS
	Harvested area ⁽²⁾ (10 ⁻⁹ m ² /yr)	Organic amendments added ⁽³⁾ :		CH ₄ (g/m ²)	CH ₄ (Gg)
		type	(t/ha)		
1. Irrigated					0,00
Continuously Flooded				0,00	
Intermittently Flooded	Single Aeration			0,00	
	Multiple Aeration			0,00	
2. Rainfed					0,00
Flood Prone				0,00	
Drought Prone				0,00	
3. Deep Water					0,00
Water Depth 50-100 cm				0,00	
Water Depth > 100 cm				0,00	
4. Other (please specify)					0,00
				0,00	
Upland Rice ⁽⁴⁾					
Total ⁽⁴⁾	0,00				

⁽¹⁾ The implied emission factor takes account of all relevant corrections for continuously flooded fields without organic amendment plus the correction for the organic amendments, if used, as well as of the effect of different soil characteristics, if taken into account, on methane emissions.

⁽²⁾ Harvested area is the cultivated area multiplied by the number of cropping seasons per year.

⁽³⁾ Specify dry weight or wet weight for organic amendments.

⁽⁴⁾

Documentation box:

When disaggregating by more than one region within a country, provide additional information in the documentation box.

Where available, provide activity data and scaling factors by soil type and rice cultivar.

TABLE 4.D SECTORAL BACKGROUND DATA FOR AGRICULTURE

Agricultural Soils⁽¹⁾
(Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION		IMPLIED EMISSION FACTORS		EMISSIONS (Gg N ₂ O)
	Description	Value	Unit		
Direct Soil Emissions	N input to soils (kg N/yr)				17,53
Synthetic Fertilizers	Use of synthetic fertilizers (kg N/yr)	315.900.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,012	6,08
Animal Wastes Applied to Soils	Nitrogen input from manure applied to soils (kg N/yr)	259.400.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,009	3,65
N-fixing Crops	Dry pulses and soybeans produced (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	0,58
Crop Residue	Dry production of other crops (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	7,07
Cultivation of Histosols	Area of cultivated organic soils (ha)	18.440	(kg N ₂ O-N/ha) ⁽²⁾	5,000	0,14
Animal Production	N excretion on pasture range and paddock (kg N/yr)	41.300.000	(kg N₂O-N/kg N)⁽²⁾	0,019	1,21
Indirect Emissions					9,06
Atmospheric Deposition	(kg N/yr)	82.619.200	(kg N ₂ O-N/kg N) ⁽²⁾	0,010	1,30
Nitrogen Leaching and Run-off	N from fertilizers and animal wastes that is lost through leaching and run off (kg N/yr)	197.500.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,025	7,76
Other (please specify)					0,10
Sewage sludge used as fertilizer	(kg N/yr)	5.300.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,013	0,10
Industrial waste used as fertilizer	(kg N/yr)		(kg N ₂ O-N/kg N) ⁽²⁾	0,000	
				0,000	

Additional information

Fraction ^(a)	Description	Value
Frac _{BURN}	Fraction of crop residue burned	0,00
Frac _{FUEL}	Fraction of livestock N excretion in excrements burned for fuel	0,00
Frac _{GASF}	Fraction of synthetic fertilizer N applied to soils that volatilizes as NH ₃ and NO _x	0,02
Frac _{GASM}	Fraction of livestock N excretion that volatilizes as NH ₃ and NO _x	0,28
Frac _{GRAZ}	Fraction of livestock N excreted and deposited onto soil during grazing	
Frac _{LEACH}	Fraction of N input to soils that is lost through leaching and runoff	
Frac _{NCRBF}	Fraction of N in non-N-fixing crop	
Frac _{NCRO}	Fraction of N in N-fixing crop	
Frac _R	Fraction of crop residue removed from the field as crop	

^(a) Use the fractions as specified in the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.92 - 4.113).

⁽¹⁾ See footnote 4 to Summary 1.A. of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category should indicate the amount [Gg] of these emissions or removals and relevant additional information (activity data, implied emissions factors) in the documentation box.

⁽²⁾ To convert from N₂O-N to N₂O emissions, multiply by 44/28.

Documentation box:

TABLE 4.E SECTORAL BACKGROUND DATA FOR AGRICULTURE
Prescribed Burning of Savannas
(Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION					IMPLIED EMISSION FACTORS		EMISSIONS	
	Area of savanna burned (k ha/yr)	Average aboveground biomass density (t dm/ha)	Fraction of savanna burned	Biomass burned (Gg dm)	Nitrogen fraction in biomass	(kg/t dm)		(Gg)	
						CH ₄	N ₂ O	CH ₄	N ₂ O
(specify ecological zone) <input type="checkbox"/>								0,00	0,00
						0,00	0,00		

Additional information

	Living	Dead
Fraction of aboveground biomass		
Fraction oxidized		
Carbon fraction		

Documentation box:

TABLE 4.F SECTORAL BACKGROUND DATA FOR AGRICULTURE
Field Burning of Agricultural Residues
 (Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		EMISSIONS	
	Crop production (t)	Residue/ Crop ratio	Dry matter fraction	Fraction burned in fields	Biomass burned (Gg dm)	Nitrogen fraction in biomass of residues	CH ₄	N ₂ O	CH ₄	N ₂ O
							(kg/t dm)	(kg/t dm)	(Gg)	(Gg)
1. Cereals								0,00	0,00	
Wheat						0,00	0,00			
Barley						0,00	0,00			
Maize						0,00	0,00			
Oats						0,00	0,00			
Rye						0,00	0,00			
Rice						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
2. Pulse ⁽¹⁾								0,00	0,00	
Dry bean						0,00	0,00			
Peas						0,00	0,00			
Soybeans						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
3 Tuber and Root								0,00	0,00	
Potatoes						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
4 Sugar Cane						0,00	0,00			
5 Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			

⁽¹⁾ To be used in Table 4.D of this common reporting format.

Documentation Box:

TABLE 5 SECTORAL REPORT FOR LAND-USE CHANGE AND FORESTRY
(Sheet 1 of 1)

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions/ removals	CH ₄	N ₂ O	NO _x	CO
	(Gg)						
Total Land-Use Change and Forestry	0,00	-931,00	-931,00	0,00	0,00	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-931,00	-931,00				
1. Tropical Forests			0,00				
2. Temperate Forests		-931,00	-931,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
Harvested Wood ⁽¹⁾			0,00				
			0,00				
B. Forest and Grassland Conversion⁽²⁾	0,00			0,00	0,00	0,00	0,00
1. Tropical Forests							
2. Temperate Forests							
3. Boreal Forests							
4. Grasslands/Tundra							
5. Other (please specify) <input type="checkbox"/>	0,00			0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00				
1. Tropical Forests			0,00				
2. Temperate Forests			0,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
D. CO₂ Emissions and Removals from Soil	0,00	0,00	0,00				
Cultivation of Mineral Soils			0,00				
Cultivation of Organic Soils			0,00				
Liming of Agricultural Soils			0,00				
Forest Soils			0,00				
Other (please specify) ⁽³⁾ <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
E. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00				

⁽¹⁾ Following the IPCC Guidelines, the harvested wood should be reported under Changes in Forest and Other Woody Biomass Stocks (Volume 3. Reference Manual, p.5.17).

⁽²⁾ Include only the emissions of CO₂ from Forest and Grassland Conversion. Associated removals should be reported under section D.

⁽³⁾ Include emissions from soils not reported under sections A, B and C.

Note: See footnote 4 to Summary 1.A of this common reporting format.

TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark
1995
April 11, 2001

**Changes in Forest and Other Woody Biomass Stocks
(Sheet 1 of 1)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES			ACTIVITY DATA		IMPLIED EMISSION FACTORS	ESTIMATES
			Area of forest/biomass stocks (kha)	Average annual growth rate (t dm/ha)	Implied carbon uptake factor (t C/ha)	Carbon uptake increment (Gg C)
Tropical	Plantations	<i>Acacia spp.</i>			0,00	
		<i>Eucalyptus spp.</i>			0,00	
		<i>Tectona grandis</i>			0,00	
		<i>Pinus spp</i>			0,00	
		<i>Pinus caribaea</i>			0,00	
		Mixed Hardwoods			0,00	
		Mixed Fast-Growing Hardwoods			0,00	
		Mixed Softwoods			0,00	
	Other Forests	Moist			0,00	
		Seasonal			0,00	
		Dry			0,00	
	Other (specify)				0,00	
	Temperate	Plantations			0,00	
Commercial		Evergreen			0,00	
		Deciduous			0,00	
Other (specify)				0,00		
Boreal				0,00		
			Number of trees (1000s of trees)	Annual growth rate (kt dm/1000 trees)	Carbon uptake factor (t C/tree)	Carbon uptake increment (Gg C)
Non-Forest Trees (specify type)						0,00
Total annual growth increment (Gg C)						0,00
Gg CO ₂						0,00
			Amount of biomass removed (kt dm)	Carbon emission factor (t C/t dm)	Carbon release (Gg C)	
Total biomass removed in Commercial Harvest				0,00		
Traditional Fuelwood Consumed				0,00		
Total Other Wood Use				0,00		
Total Biomass Consumption from Stocks ⁽¹⁾ (Gg C)						0,00
Other Changes in Carbon Stocks ⁽²⁾ (Gg C)						
Gg CO ₂						0,00
Net annual carbon uptake (+) or release (-) (Gg C)						0,00
Net CO ₂ emissions (-) or removals (+) (Gg CO ₂)						0,00

⁽¹⁾ Make sure that the quantity of biomass burned off-site is subtracted from this total.

⁽²⁾ The net annual carbon uptake/release is determined by comparing the annual biomass growth versus annual harvest, including the decay of forest products and slash left during harvest. The IPCC Guidelines recommend default assumption that all carbon removed in wood and other biomass from forests is oxidized in the year of removal. The emissions from decay could be included under Other Changes in Carbon Stocks.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.B SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Forest and Grassland Conversion
 (Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS					EMISSIONS					
		On and off site burning				Decay of above-ground biomass ⁽¹⁾		Burning			Decay	Burning			Decay			
		Area converted annually (kha)	Annual net loss of biomass (kt dm)	Quantity of biomass burned		Average area converted (kha)	Average annual net loss of biomass (t dm/ha)	On site				Off site CO ₂	On site			Off site CO ₂		
				On site (kt dm)	Off site (kt dm)			CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄	N ₂ O				
						(t/ha)			(Gg)									
Tropical	Wet/Very Moist							0,00	0,00	0,00	0,00	0,00						
	Moist, short dry season							0,00	0,00	0,00	0,00	0,00						
	Moist, long dry season							0,00	0,00	0,00	0,00	0,00						
	Dry							0,00	0,00	0,00	0,00	0,00						
	Montane Moist							0,00	0,00	0,00	0,00	0,00						
	Montane Dry							0,00	0,00	0,00	0,00	0,00						
Tropical Savanna/Grasslands								0,00	0,00	0,00	0,00	0,00						
Temperate	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Broadleaf							0,00	0,00	0,00	0,00	0,00						
	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
Grasslands								0,00	0,00	0,00	0,00	0,00						
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Forest-tundra							0,00	0,00	0,00	0,00	0,00						
Grasslands/Tundra								0,00	0,00	0,00	0,00	0,00						
Other (please specify) <input type="checkbox"/>								0,00	0,00	0,00	0,00	0,00						
Total								0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Activity data are for default 10-year average. Specify the average decay time which is appropriate for the local conditions, if other than 10 years.

Emissions/Removals	On site	Off site
Immediate carbon release from burning	0,00	0,00
Total On site and Off site (Gg C)	0,00	
Delayed emissions from decay (Gg C)	0,00	
Total annual carbon release (Gg C)	0,00	
Total annual CO ₂ emissions (Gg CO ₂)	0,00	

Additional information

Fractions	On site	Off site
Fraction of biomass burned (average)		
Fraction which oxidizes during burning (average)		
Carbon fraction of aboveground biomass (average)		
Fraction left to decay (average)		
Nitrogen-carbon ratio		

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.C SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Abandonment of Managed Lands
 (Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		ESTIMATES	
		Total area abandoned and regrowing ⁽¹⁾		Annual rate of aboveground biomass growth		Carbon fraction of aboveground biomass		Rate of aboveground biomass carbon uptake		Annual carbon uptake in aboveground biomass	
		first 20 years (kha)	>20 years (kha)	first 20 years (t dm/ha)	>20 years (t dm/ha)	first 20 years	>20 years	first 20 years (t C/ha/yr)	>20 years (t C/ha/yr)	first 20 years (Gg C/yr)	>20 years (Gg C/yr)
Original natural ecosystems											
Tropical	Wet/Very Moist							0,00	0,00		
	Moist, short dry season							0,00	0,00		
	Moist, long dry season							0,00	0,00		
	Dry							0,00	0,00		
	Montane Moist							0,00	0,00		
	Montane Dry							0,00	0,00		
Tropical Savanna/Grasslands								0,00	0,00		
Temperate	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Broadleaf							0,00	0,00		
Grasslands								0,00	0,00		
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Forest-tundra							0,00	0,00		
Grasslands/Tundra								0,00	0,00		
Other (please specify)								0,00	0,00		
								0,00	0,00		
										Total annual carbon uptake (Gg C)	0,00
										Total annual CO ₂ removal (Gg CO ₂)	0,00

⁽¹⁾ If lands are regenerating to grassland, then the default assumption is that no significant changes in above-ground biomass occur.

Note: Sectoral background data tables on Land-use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.D SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
CO₂ Emissions and Removals from Soil
 (Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS	ESTIMATES
	Land area (Mha)	Average annual rate of soil carbon uptake/removal (Mg C/ha/yr)	Net change in soil carbon in mineral soils (Tg C over 20 yr)
Cultivation of Mineral Soils ⁽¹⁾			0,00
High Activity Soils		0,00	
Low Activity Soils		0,00	
Sandy		0,00	
Volcanic		0,00	
Wetland (Aquic)		0,00	
Other (please specify)			0,00
		0,00	
	Land area (ha)	Annual loss rate (Mg C/ha/yr)	Carbon emissions from organic soils (Mg C/yr)
Cultivation of Organic Soils			0,00
Cool Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Warm Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Tropical			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
	Total annual amount of lime (Mg)	Carbon conversion factor	Carbon emissions from liming (Mg C)
Liming of Agricultural Soils			0,00
Limestone Ca(CO ₃)		0,00	
Dolomite CaMg(CO ₃) ₂		0,00	
Total annual net carbon emissions from agriculturally impacted soils (Gg C)			0,00
Total annual net CO ₂ emissions from agriculturally impacted soils (Gg CO ₂)			0,00

Additional information

Year	Climate ^(a)	land-use/ management system ^(a)	Soil type					
			High activity soils	Low activity soils	Sandy	Volcanic	Wetland (Aquic)	Organic soil
percent distribution (%)								
20 years prior	(e.g. tropical, dry)	(e.g. savanna)						
		(e.g. irrigated cropping)						
inventory year								

^(a) These should represent the major types of land management systems per climate regions presented in the country as well as ecosystem types which were either converted to agriculture (e.g., forest, savanna, grassland) or have been derived from previous agricultural land-use (e.g., abandoned lands, reforested lands). Systems should also reflect differences in soil carbon stocks that can be related to differences in management (IPCC Guidelines (Volume 2. Workbook, Table 5-9, p. 5.26, and Appendix (pp. 5-31 - 5.38)).

⁽¹⁾ The information to be reported under Cultivation of Mineral Soils aggregates data per soil type over all land-use/management systems. This refers to land area data and to the emission estimates and implied emissions factors accordingly.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation Box:

TABLE 6 SECTORAL REPORT FOR WASTE
(Sheet 1 of 1)

Denmark

1995

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Waste	0,00	62,70	0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	0,00	62,70		0,00	0,00	0,00	
1. Managed Waste Disposal on Land	0,00	62,70					
2. Unmanaged Waste Disposal Sites	0,00	0,00					
3. Other (<i>please specify</i>)	0,00	0,00		0,00	0,00	0,00	
B. Wastewater Handling		0,00	0,00	0,00	0,00	0,00	
1. Industrial Wastewater		0,00	0,00				
2. Domestic and Commercial Wastewater		0,00	0,00				
3. Other (<i>please specify</i>)		0,00	0,00	0,00	0,00	0,00	
C. Waste Incineration	0,00	0,00	0,00				
D. Other (<i>please specify</i>)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biological or inorganic waste sources.

TABLE 6.A SECTORAL BACKGROUND DATA FOR WASTE
Solid Waste Disposal
(Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION				IMPLIED EMISSION FACTOR		EMISSIONS ⁽¹⁾	
	Annual MSW at the SWDS (Gg)	MCF	DOC degraded (Gg)	CH ₄ recovery ⁽²⁾ (Gg)	CH ₄ (t/t MSW)	CO ₂ (t/t MSW)	CH ₄ (Gg)	CO ₂ ⁽³⁾ (Gg)
1 Managed Waste Disposal on Land	1,957.00				0.03	0.00	62.70	
2 Unmanaged Waste Disposal Sites					0.00	0.00	0.00	0.00
- deep (>5 m)	0.00				0.00	0.00		
- shallow (<5 m)					0.00	0.00		
3 Other (please specify)					0.00	0.00	0.00	0.00

Additional information

Description	Value
Total population (1000s) ^(a)	
Urban population (1000s) ^(a)	
Waste generation rate (kg/capita/day)	
Fraction of MSW disposed to SWDS	
Fraction of DOC in MSW	
Fraction of wastes incinerated	
Fraction of wastes recycled	
CH ₄ oxidation factor (b)	
CH ₄ fraction in landfill gas	
Number of SWDS recovering CH ₄	
CH ₄ generation rate constant (k) ^(c)	
Time lag considered (yr) ^(c)	
Composition of landfilled waste (%)	
Paper and paperboard	
Food and garden waste	
Plastics	
Glass	
Textiles	
Other (specify)	
other - inert	
other - organic	

TABLE 6.C SECTORAL BACKGROUND DATA FOR WASTE
Waste Incineration
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA Amount of incinerated wastes (Gg)	IMPLIED EMISSION FACTOR			EMISSIONS		
		CO ₂ (kg/t waste)	CH ₄ (kg/t waste)	N ₂ O (kg/t waste)	CO ₂ ⁽³⁾ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Waste Incineration (please specify)	0.00				0.00	0.00	0.00
(biogenic) ⁽³⁾		0.00	0.00	0.00			
(plastics and other non-biogenic waste) ⁽³⁾		0.00	0.00	0.00			
		0.00	0.00	0.00			

MSW - Municipal Solid Waste, SWDS - Solid Waste Disposal Site, MCF - Methane Correction Factor, DOC - Degradable Organic Carbon (IPCC Guidelines (Volume 3. Reference Manual, section 6.2.4)). MSW includes household waste, yard/garden waste, commercial/market waste and organic industrial solid waste. MSW should not include inorganic industrial waste such as construction or demolition materials.

⁽¹⁾ Actual emissions (after recovery).

⁽²⁾ CH₄ recovered and flared or utilized.

⁽³⁾ Under Waste Disposal, CO₂ emissions should be reported only when the disposed wastes are combusted at the disposal site which might constitute a management practice. CO₂ emissions from non-biogenic wastes are included in the totals, while the CO₂ emissions from biogenic wastes are not included in the totals.

Documentation box:

All relevant information used in calculation should be provided in the additional information box and in the documentation box.
 Parties that use country specific models should note this with a brief rationale in the documentation box and fill the relevant cells only.

^(a) Specify whether total or urban population is used and the rationale for doing so.

^(b) See IPCC Guidelines (Volume 3. Reference Manual, p. 6.9).

^(c) For Parties using Tier 2 methods.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)

(Sheet 1 of 3)

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)				(Gg)				
Total National Emissions and Removals	60,686,39	-931,00	279,49	32,59	1,176,69	125,99	14,00	0,00	0,02	0,00	254,86	627,66	159,66	148,58
1. Energy	59,257,72		29,80	3,12							254,26	627,66	108,60	148,36
A. Fuel Combustion	Reference Approach ⁽²⁾													
	Sectoral Approach ⁽²⁾													
1. Energy Industries														
2. Manufacturing Industries and Construction														
3. Transport														
4. Other Sectors														
5. Other														
B. Fugitive Emissions from Fuels														
1. Solid Fuels														
2. Oil and Natural Gas														
2. Industrial Processes	1,311,00		0,00	0,00	1,176,69	125,99	14,00	0,00	0,02	0,00	0,60	0,00	0,63	0,22
A. Mineral Products														
B. Chemical Industry														
C. Metal Production														
D. Other Production ⁽³⁾														
E. Production of Halocarbons and SF ₆														
F. Consumption of Halocarbons and SF ₆														
G. Other														

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach. Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ Other Production includes Pulp and Paper and Food and Drink Production.

Note: The numbering of footnotes to all tables containing more than one sheet continue to the next sheet. Common footnotes are given only once at the first point of reference.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	emissions	removals			P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)						(Gg)				
3. Solvent and Other Product Use	117,67			0,00									40,15	
4. Agriculture	0,00	0,00	186,98	29,46							0,00	0,00	1,33	0,00
A. Enteric Fermentation			142,52											
B. Manure Management			44,47	1,57									0,00	
C. Rice Cultivation			0,00										0,00	
D. Agricultural Soils	⁽⁴⁾	⁽⁴⁾	0,00	27,89									1,33	
E. Prescribed Burning of Savannas			0,00	0,00						0,00	0,00		0,00	
F. Field Burning of Agricultural Residues			0,00	0,00						0,00	0,00		0,00	
G. Other			0,00	0,00						0,00	0,00		0,00	
5. Land-Use Change and Forestry	⁽⁵⁾	0,00	⁽⁵⁾	-931,00	0,00	0,00					0,00	0,00	8,95	0,00
A. Changes in Forest and Other Woody Biomass Stocks	⁽⁵⁾	0,00	⁽⁵⁾	-931,00										
B. Forest and Grassland Conversion		0,00		0,00	0,00					0,00	0,00		8,95	
C. Abandonment of Managed Lands	⁽⁵⁾	0,00	⁽⁵⁾	0,00										
D. CO ₂ Emissions and Removals from Soil	⁽⁵⁾	0,00	⁽⁵⁾	0,00										
E. Other	⁽⁵⁾	0,00	⁽⁵⁾	0,00	0,00	0,00				0,00	0,00			
6. Waste	0,00		62,70	0,00						0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	⁽⁶⁾	0,00	62,70									0,00	0,00	
B. Wastewater Handling			0,00	0,00						0,00	0,00		0,00	
C. Waste Incineration	⁽⁶⁾	0,00	0,00	0,00						0,00	0,00		0,00	0,00
D. Other		0,00	0,00	0,00						0,00	0,00		0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽⁴⁾ According to the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.2, 4.87), CO₂ emissions from agricultural soils are to be included under Land-Use Change and Forestry (LUCF). At the same time, the Summary Report 7A (Volume 1. Reporting Instructions, Tables.27) allows for reporting CO₂ emissions or removals from agricultural soils, either in the Agriculture sector, under D. Agricultural Soils or in the Land-Use Change and Forestry sector under D. Emissions and Removals from Soil. Parties may choose either way to report emissions or removals from this source in the common reporting format, but the way they have chosen to report should be clearly indicated, by inserting explanatory comments to the corresponding cells of Summary 1.A and Summary 1.B. Double-counting of these emissions or removals should be avoided. Parties should include these emissions or removals consistently in Table8(a) (Recalculation - Recalculated data) and Table10 (Emission trends).

⁽⁵⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽⁶⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biogenic or inorganic waste streams.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs		PFCs		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)					(Gg)			
Memo Items: ⁽⁷⁾														
International Bunkers	6,963,05		0,15	0,39							146,49	13,65	4,10	76,65
Aviation	1,890,49		0,04	0,08							7,64	1,84	0,39	0,12
Marine	5,072,56		0,11	0,32							138,85	11,81	3,72	76,53
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	5,579,73													

⁽⁷⁾ Memo Items are not included in the national totals.

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
	P	A	P	A	P	A	P	A	P	A				
Total National Emissions and Removals	60.686,39	-931,00	279,49	32,59	1.176,69	125,99	14,00	0,00	0,02	0,00	254,86	627,66	159,66	148,58
1. Energy	59.257,72		29,80	3,12							254,26	627,66	108,60	148,36
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	58.923,81	12,44	3,12							252,42	582,60	96,66	145,14
B. Fugitive Emissions from Fuels		333,92	17,37	0,01							1,84	45,06	11,94	3,22
2. Industrial Processes	1.311,00		0,00	0,00	1.176,69	125,99	14,00	0,00	0,02	0,00	0,60	0,00	0,63	0,22
3. Solvent and Other Product Use	117,67			0,00							0,00	0,00	40,15	0,00
4. Agriculture⁽³⁾	0,00	0,00	186,98	29,46							0,00	0,00	1,33	0,00
5. Land-Use Change and Forestry⁽⁴⁾	0,00⁽⁴⁾	-931,00⁽⁴⁾	0,00	0,00							0,00	0,00	8,95	0,00
6. Waste	0,00		62,70	0,00							0,00	0,00	0,00	0,00
7. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:														
International Bunkers	6.963,05		0,15	0,39							146,49	13,65	4,10	76,65
Aviation	1.890,49		0,04	0,08							7,64	1,84	0,39	0,12
Marine	5.072,56		0,11	0,32							138,85	11,81	3,72	76,53
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	5.579,73													

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in document box of Table 1.A(c). Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ See footnote 4 to Summary 1.A.

⁽⁴⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

SUMMARY 2 SUMMARY REPORT FOR CO₂ EQUIVALENT EMISSIONS
(Sheet 1 of 1)

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	Total
	CO ₂ equivalent (Gg)						
Total (Net Emissions)⁽¹⁾	59,755,39	5,869,25	10,102,07	125,99	0,00	107,36	75,960,07
1. Energy	59,257,72	625,88	968,14				60,851,74
A. Fuel Combustion (Sectoral Approach)	58,923,81	261,18	966,29				60,151,27
1. Energy Industries	32,152,68	32,78	325,91				32,511,37
2. Manufacturing Industries and Construction	6,069,76	14,78	116,55				6,201,09
3. Transport	11,765,19	63,90	320,74				12,149,83
4. Other Sectors	8,684,29	149,41	199,70				9,033,40
5. Other	251,89	0,31	3,39				255,59
B. Fugitive Emissions from Fuels	333,92	364,70	1,85				700,47
1. Solid Fuels	0,00	131,66	0,00				131,66
2. Oil and Natural Gas	333,92	233,04	1,85				568,81
2. Industrial Processes	1,311,00	0,00	0,00	125,99	0,00	107,36	1,544,36
A. Mineral Products	1,311,00	0,00	0,00				1,311,00
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00		0,00	35,85	35,85
D. Other Production	0,00						0,00
E. Production of Halocarbons and SF ₆				0,00	0,00	0,00	0,00
F. Consumption of Halocarbons and SF ₆				125,99	0,00	71,51	197,50
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	117,67		0,00				117,67
4. Agriculture	0,00	3,926,68	9,133,93				13,060,60
A. Enteric Fermentation		2,992,83					2,992,83
B. Manure Management		933,84	486,54				1,420,38
C. Rice Cultivation		0,00					0,00
D. Agricultural Soils ⁽²⁾		0,00	8,647,38				8,647,38
E. Prescribed Burning of Savannas		0,00	0,00				0,00
F. Field Burning of Agricultural Residues		0,00	0,00				0,00
G. Other		0,00	0,00				0,00
5. Land-Use Change and Forestry⁽¹⁾	-931,00	0,00	0,00				-931,00
6. Waste	0,00	1,316,70	0,00				1,316,70
A. Solid Waste Disposal on Land	0,00	1,316,70					1,316,70
B. Wastewater Handling		0,00	0,00				0,00
C. Waste Incineration	0,00	0,00	0,00				0,00
D. Other	0,00	0,00	0,00				0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:							
International Bunkers	6,963,05	3,25	122,31				7,088,61
Aviation	1,890,49	0,84	23,36				1,914,69
Marine	5,072,56	2,41	98,95				5,173,92
Multilateral Operations	0,00	0,00	0,00				0,00
CO₂ Emissions from Biomass	5,579,73						5,579,73

⁽¹⁾ For CO₂ emissions from Land-Use Change and Forestry the net emissions are to be reported. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions / removals	CH ₄	N ₂ O	Total emissions
	CO ₂ equivalent (Gg)					
Land-Use Change and Forestry						
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-931,00	-931,00			-931,00
B. Forest and Grassland Conversion	0,00		0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00			0,00
D. CO ₂ Emissions and Removals from Soil	0,00	0,00	0,00			0,00
E. Other	0,00	0,00	0,00	0,00	0,00	0,00
Total CO₂ Equivalent Emissions from Land-Use Change and Forestry	0,00	-931,00	-931,00	0,00	0,00	-931,00

Total CO₂ Equivalent Emissions without Land-Use Change and Forestry^(a) 76.891,07

Total CO₂ Equivalent Emissions with Land-Use Change and Forestry^(a) 75.960,07

^(a) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 1 of 2)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
1. Energy												
A. Fuel Combustion												
1. Energy Industries												
2. Manufacturing Industries and Construction												
3. Transport												
4. Other Sectors												
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
2. Oil and Natural Gas												
2. Industrial Processes												
A. Mineral Products												
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF ₆												
F. Consumption of Halocarbons and SF ₆												
G. Other												

⁽¹⁾ Use the following notation keys to specify the method applied: D (IPCC default), RA (Reference Approach), T1 (IPCC Tier 1), T1a, T1b, T1c (IPCC Tier 1a, Tier 1b and Tier 1c, respectively), T2 (IPCC Tier 2), T3 (IPCC Tier 3), C (CORINAIR), CS (Country Specific), M (Model). If using more than one method, enumerate the relevant methods. Explanations of any modifications to the default IPCC methods, as well as information on the proper use of methods per source category where more than one method is indicated, and explanations on the country specific methods, should be provided in the documentation box of the relevant Sectoral background data table.

⁽²⁾ Use the following notation keys to specify the emission factor used: D (IPCC default), C (CORINAIR), CS (Country Specific), PS (Plant Specific), M (Model). Where a mix of emission factors has been used, use different notations in one and the same cells with further explanation in the documentation box of the relevant Sectoral background data table.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 2 of 2)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation												
B. Manure Management												
C. Rice Cultivation												
D. Agricultural Soils												
E. Prescribed Burning of Savannas												
F. Field Burning of Agricultural Residues												
G. Other												
5. Land-Use Change and Forestry												
A. Changes in Forest and Other Woody Biomass Stocks												
B. Forest and Grassland Conversion												
C. Abandonment of Managed Lands												
D. CO ₂ Emissions and Removals from Soil												
E. Other												
6. Waste												
A. Solid Waste Disposal on Land												
B. Wastewater Handling												
C. Waste Incineration												
D. Other												
7. Other (please specify) <input type="checkbox"/>												

TABLE 7 OVERVIEW TABLE⁽¹⁾ FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 1 of 3)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
Total National Emissions and Removals																					
1 Energy																					
A. Fuel Combustion Activities																					
Reference Approach																					
Sectoral Approach																					
1. Energy Industries																					
2. Manufacturing Industries and Construction																					
3. Transport																					
4. Other Sectors																					
5. Other																					
B. Fugitive Emissions from Fuels																					
1. Solid Fuels																					
2. Oil and Natural Gas																					
2 Industrial Processes																					
A. Mineral Products																					
B. Chemical Industry																					
C. Metal Production																					
D. Other Production																					
E. Production of Halocarbons and SF ₆																					

⁽¹⁾ This table is intended to be used by Parties to summarize their own assessment of completeness (e.g. partial, full estimate, not estimated) and quality (high, medium, low) of major source/sink inventory estimates. The latter could be understood as a quality assessment of the uncertainty of the estimates. This table might change once the IPCC completes its work on managing uncertainties of GHG inventories. The title of the table was kept for consistency with the current table in the IPCC Guidelines.

Note: To fill in the table use the notation key as given in the IPCC Guidelines (Volume 1. Reporting Instructions, Tables. 37).

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 2 of 3)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
2 Industrial Processes (continued)																					
F. Consumption of Halocarbons and SF ₆																					
Potential ⁽²⁾																					
Actual ⁽³⁾																					
G. Other																					
3 Solvent and Other Product Use																					
4 Agriculture																					
A. Enteric Fermentation																					
B. Manure Management																					
C. Rice Cultivation																					
D. Agricultural Soils																					
E. Prescribed Burning of Savannas																					
F. Field Burning of Agricultural Residues																					
G. Other																					
5 Land-Use Change and Forestry																					
A. Changes in Forest and Other Woody Biomass Stocks																					
B. Forest and Grassland Conversion																					

⁽²⁾ Potential emissions based on Tier 1 approach of the IPCC Guidelines.

⁽³⁾ Actual emissions based on Tier 2 approach of the IPCC Guidelines.

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
 (Sheet 3 of 3)

Denmark
 1995
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
5 Land-Use Change and Forestry (continued)																					
C. Abandonment of Managed Lands																					
D. CO ₂ Emissions and Removals from Soil																					
E. Other																					
6 Waste																					
A. Solid Waste Disposal on Land																					
B. Wastewater Handling																					
C. Waste Incineration																					
D. Other																					
7 Other (please specify)																					
Memo Items:																					
International Bunkers																					
Aviation																					
Marine																					
Multilateral Operations																					
CO ₂ Emissions from Biomass																					

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated
(Sheet 1 of 2)

year:

Denmark
1995
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO2			CH4			N2O		
		Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
		CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
Total National Emissions and Removals		59,413,94	59,755,39	0,57	5,901,42	5,869,25	-0,55	9,920,00	10,102,07	1,84
1. Energy		58,911,80	59,257,72	0,59	630,42	625,88	-0,72	787,40	968,14	22,95
1.A.	Fuel Combustion Activities	58,577,88	58,923,81	0,59	264,60	261,18	-1,29	787,40	966,29	22,72
1.A.1.	Energy Industries	32,152,68	32,152,68	0,00	32,76	32,78	0,07	325,50	325,91	0,13
1.A.2.	Manufacturing Industries and Construction	6,039,40	6,069,76	0,50	13,23	14,78	11,73	55,80	116,55	108,87
1.A.3.	Transport	11,509,71	11,765,19	2,22	65,52	63,90	-2,47	310,00	320,74	3,47
1.A.4.	Other Sectors	8,737,42	8,684,29	-0,61	152,88	149,41	-2,27	93,00	199,70	114,73
1.A.5.	Other	138,67	251,89	81,65	0,21	0,31	47,59	3,10	3,39	9,30
1.B.	Fugitive Emissions from Fuels	333,92	333,92	0,00	365,82	364,70	-0,31	3,10	1,85	-40,19
1.B.1.	Solid fuel	0,00	0,00	0,00	131,67	131,66	-0,01	0,00	0,00	0,00
1.B.2.	Oil and Natural Gas	333,92	333,92	0,00	234,15	233,04	-0,47	3,10	1,85	-40,19
2. Industrial Processes		1,311,00	1,311,00	0,00	27,51	0,00	-100,00	0,00	0,00	0,00
2.A.	Mineral Products	1,311,00	1,311,00	0,00	27,51	0,00	-100,00	0,00	0,00	0,00
2.B.	Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.C.	Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.D.	Other Production	0,00	0,00	0,00						
2.G.	Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use		125,14	117,67	-5,97				0,00	0,00	0,00
4. Agriculture		0,00	0,00	0,00	3,926,79	3,926,68	0,00	9,132,60	9,133,93	0,01
4.A.	Enteric Fermentation				2,992,92	2,992,83	0,00			
4.B.	Manure Management				933,87	933,84	0,00	486,70	486,54	-0,03
4.C.	Rice Cultivation				0,00	0,00	0,00			
4.D.	Agricultural Soils (2)			0,00	0,00	0,00	0,00	8,645,90	8,647,38	0,02
4.E.	Prescribed Burning of Savannas				0,00	0,00	0,00	0,00	0,00	0,00
4.F.	Field Burning of Agricultural Residues				0,00	0,00	0,00	0,00	0,00	0,00
4.G.	Other				0,00	0,00	0,00	0,00	0,00	0,00
5. Land-Use Change and Forestry (net)		-934,00	-931,00	-0,32	0,00	0,00	0,00	0,00	0,00	0,00
5.A.	Changes in Forest and Other Woody Biomass Stocks	-934,00	-931,00	-0,32						
5.B.	Forest and Grassland Conversion			0,00			0,00			0,00
5.C.	Abandonment of Managed Lands			0,00						
5.D.	CO2 Emissions and Removals from Soil			0,00						
5.E.	Other			0,00			0,00			0,00

⁽¹⁾ Estimate the percentage change due to recalculation with respect to the previous submission (Percentage change = 100% x [(LS-PS)/PS], where LS = Latest submission and PS = Previous submission. All cases of recalculation of the estimate of the source/sink category, should be addressed and explained in Table 8(b) of this common reporting format.

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Denmark
 1995
 April 11, 2001

Specify the sector and source/sink category ⁽¹⁾ where changes in estimates have occurred:	GHG	RECALCULATION DUE TO			
		CHANGES IN:			Addition/removal/ replacement of source/sink categories
		Methods ⁽²⁾	Emission factors ⁽²⁾	Activity data ⁽²⁾	

⁽¹⁾ Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table (see Table 8(a)).

⁽²⁾ Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in Table 8(a). Include relevant changes in the assumptions and coefficients under the "Methods" column.

Documentation box: Use the documentation box to report the justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory.

TABLE 9 COMPLETENESS
(Sheet 1 of 2)

Denmark
1995
April 11, 2001

Sources and sinks not reported (NE) ⁽¹⁾				
GHG	Sector ⁽²⁾	Source/sink category ⁽²⁾	Explanation	
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				
Sources and sinks reported elsewhere (IE) ⁽³⁾				
GHG	Source/sink category	Allocation as per IPCC Guidelines	Allocation used by the Party	Explanation
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				


⁽¹⁾ Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.

⁽²⁾ Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).

⁽³⁾ Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.

TABLE 9 COMPLETENESS
(Sheet 2 of 2)

Denmark
 1995
 April 11, 2001

Additional GHG emissions reported ⁽⁴⁾						
GHG 	Source category	Emissions (Gg)	Estimated GWP value (100-year horizon)	Emissions CO ₂ equivalent (Gg)	Reference to the data source of GWP value	Explanation

⁽⁴⁾ Parties are encouraged to provide information on emissions of greenhouse gases whose GWP values have not yet been agreed upon by the COP. Please include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

TABLE 11 CHECK LIST OF REPORTED INVENTORY INFORMATION ⁽¹⁾									
Party: Denmark			Year: 1995						
Contact info:	Focal point for national GHG inventories:	Jytte Boll Illerup, National Environmental Research Institute							
	Address:	P.O. Box 358, Department of Policy Analysis, DK-4000 Roskilde							
	Telephone:	0045 46301289	Fax:	0045 46301212	E-mail:	jbi@dmu.dk			
	Main institution preparing the inventory:	National Environmental Research Institute, Ministry of Environment and Energy							
General info:	Date of submission:	11-apr-01							
	Base years:	1990	PFCs, HFCs, SF6:	1995					
	Year covered in the submission:	1990-1999							
	Gases covered:	CO2, CH4, N2O, NOx, CO, NMVOC, SO2, HFCs, PFCs, SF6							
Omissions in geographic coverage:	Denmark								
Tables:	Sectoral report tables:	<input checked="" type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	Sectoral background data tables:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Summary 1 (IPCC Summary tables):		IPCC Table 7A:		<input checked="" type="checkbox"/>	IPCC Table 7B:		<input checked="" type="checkbox"/>	
	Summary 2 (CO ₂ equivalent emissions):				<input checked="" type="checkbox"/>				
	Summary 3 (Methods/Emission factors):				<input checked="" type="checkbox"/>				
	Uncertainty:		IPCC Table 8A:		<input checked="" type="checkbox"/>	National information:		<input checked="" type="checkbox"/>	
	Recalculation tables:				<input checked="" type="checkbox"/>				
	Completeness table:				<input checked="" type="checkbox"/>				
Trend table:				<input checked="" type="checkbox"/>					
CO ₂	Comparison of CO ₂ from fuel combustion:	<input type="checkbox"/>	Worksheet 1-1	Percentage of difference	-100,00			Explanation of differences	<input type="checkbox"/>
Recalculation:	CO ₂	<input type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	CH ₄	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	N ₂ O	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	HFCs, PFCs, SF ₆	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Explanations:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Recalculation tables for all recalculated years:				<input type="checkbox"/>				
Full CRF for the recalculated base year:				<input type="checkbox"/>					
HFCs, PFCs, SF ₆ :	Disaggregation by species:	<input checked="" type="checkbox"/>	HFCs	PFCs	SF6				
	Production of Halocarbons/SF ₆ :	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
	Consumption of Halocarbons/SF ₆ :		Actual	Potential	Actual	Potential	Actual	Potential	
	Potential/Actual emission ratio:	<input type="checkbox"/>	0,00	<input type="checkbox"/>	0,00	<input type="checkbox"/>	<input type="checkbox"/>	0,00	
Reference to National Inventory Report and/or national inventory web site:	http://www.dmu.dk/1_english/1_viden/2_Miljoe-tilstand/3_luft/4_adaei/default.asp								

CRF - Common Reporting Format.
LUCF - Land-Use Change and Forestry.

⁽¹⁾ For each omission, give an explanation for the reasons by inserting a comment to the corresponding cell.

Appendix 1.1

Annual emission inventories 1994

CRF tables for Denmark

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 1 of 2)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Energy	62,424,36	28,21	3,12	274,17	650,58	113,48	156,26
A. Fuel Combustion Activities (Sectoral Approach)	61,983,23	11,26	3,12	271,81	609,35	100,28	151,47
1. Energy Industries	35,624,07	1,39	1,16	105,79	9,20	1,50	111,32
a. Public Electricity and Heat Production	33,889,76	1,10	1,13	100,52	8,64	1,31	108,65
b. Petroleum Refining	1,072,11	0,07	0,02	1,89	0,25	0,07	2,67
c. Manufacture of Solid Fuels and Other Energy Industries	662,20	0,22	0,01	3,38	0,32	0,12	0,00
2. Manufacturing Industries and Construction	6,513,15	0,82	0,40	22,10	13,54	3,83	23,19
a. Iron and Steel	58,98	0,00	0,00	0,10	0,02	0,00	0,07
b. Non-Ferrous Metals	15,17	0,00	0,00	0,02	0,00	0,00	0,03
c. Chemicals	0,00	0,00	0,00				
d. Pulp, Paper and Print	0,00	0,00	0,00				
e. Food Processing, Beverages and Tobacco	0,00	0,00	0,00				
f. Other (please specify)	6,438,99	0,82	0,40	21,97	13,52	3,83	23,09
Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.							
				21,97	13,52	3,83	23,09
3. Transport	11,634,20	3,02	0,92	108,89	437,13	79,24	7,09
a. Civil Aviation	170,07	0,01	0,01	0,83	1,10	0,19	0,01
b. Road Transportation	10,574,53	2,94	0,86	95,17	426,88	74,13	1,86
c. Railways	300,30	0,02	0,01	2,80	0,42	0,18	0,10
d. Navigation	589,30	0,06	0,04	10,08	8,73	4,74	5,12
e. Other Transportation (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 2 of 2)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
4. Other Sectors	7,960,29	6,02	0,63	33,87	148,62	15,57	9,85
a. Commercial/Institutional	1,908,11	0,34	0,05	1,79	4,93	0,37	2,77
b. Residential	4,439,45	5,58	0,15	4,23	125,91	11,06	5,07
c. Agriculture/Forestry/Fisheries	1,612,73	0,10	0,43	27,84	17,78	4,14	2,01
5. Other (please specify) ⁽¹⁾	251,52	0,01	0,01	1,17	0,85	0,14	0,03
a. Stationary	0,00	0,00	0,00	0,00	0,00	0,00	0,00
b. Mobile	251,52	0,01	0,01	1,17	0,85	0,14	0,03
Emissions from military combustion of fuels.							
	251,52	0,01	0,01	1,17	0,85	0,14	0,03
B. Fugitive Emissions from Fuels	441,13	16,96	0,01	2,35	41,23	13,20	4,79
1. Solid Fuels	0,00	5,58	0,00	0,00	39,70	0,00	0,00
a. Coal Mining	0,00	0,00					
b. Solid Fuel Transformation	0,00	0,00					
c. Other (please specify)	0,00	5,58	0,00	0,00	39,70	0,00	0,00
Storage of solid fuel.							
					39,70		
2. Oil and Natural Gas	441,13	11,38	0,01	2,35	1,53	13,20	4,79
a. Oil	0,00	0,06		0,00	0,00	8,85	4,27
b. Natural Gas	0,00	10,08				3,66	0,00
c. Venting and Flaring	441,13	1,24	0,01	2,35	1,53	0,68	0,52
Venting	0,00	0,00				0,02	0,52
Flaring	441,13	1,24	0,01	2,35	1,53	0,67	0,00
d. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items: ⁽²⁾							
International Bunkers	6,685,72	0,15	0,38	139,96	13,03	3,92	69,67
Aviation	1,843,88	0,04	0,07	7,45	1,76	0,37	0,12
Marine	4,841,84	0,11	0,30	132,51	11,27	3,55	69,56
Multilateral Operations	0,00	0,00	0,00				
CO₂ Emissions from Biomass	4,928,08						

⁽¹⁾ Include military fuel use under this category.

⁽²⁾ Please do not include in energy totals.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 1 of 4)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	(⁽¹⁾)	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A. Fuel Combustion	824.473,68	NCV				61.983,23	11,26	3,12
Liquid Fuels	342.706,98	NCV	70,69	11,52	5,34	24.227,06	3,95	1,83
Solid Fuels	328.094,77	NCV	95,06	2,34	3,00	31.189,17	0,77	0,98
Gaseous Fuels	103.295,22	NCV	63,29	6,07	1,11	6.537,41	0,63	0,11
Biomass	49.970,00	NCV	98,62	117,52	3,68 ⁽³⁾	4.928,08	5,87	0,18
Other Fuels	406,71	NCV	72,77	105,72	0,50	29,60	0,04	0,00
I.A.1. Energy Industries	440.856,78	NCV				35.624,07	1,39	1,16
Liquid Fuels	69.896,79	NCV	54,63	2,24	1,17	3.818,75	0,16	0,08
Solid Fuels	306.856,01	NCV	95,00	1,61	3,00	29.151,32	0,49	0,92
Gaseous Fuels	35.013,99	NCV	75,80	9,07	1,33	2.654,00	0,32	0,05
Biomass	29.090,00	NCV	96,98	14,46	3,94 ⁽³⁾	2.821,13	0,42	0,11
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Public Electricity and Heat Production	420.097,75	NCV				33.889,76	1,10	1,13
Liquid Fuels	49.137,75	NCV	55,90	1,76	1,22	2.746,64	0,09	0,06
Solid Fuels	306.856,01	NCV	95,00	1,61	3,00	29.151,32	0,49	0,92
Gaseous Fuels	35.013,99	NCV	56,89	2,92	1,00	1.991,81	0,10	0,04
Biomass	29.090,00	NCV	96,98	14,46	3,94 ⁽³⁾	2.821,13	0,42	0,11
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Petroleum Refining	20.759,03	NCV				1.072,11	0,07	0,02
Liquid Fuels	20.759,03	NCV	51,65	3,38	1,05	1.072,11	0,07	0,02
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Manufacture of Solid Fuels and Other Energy Industries	0,00	NCV				662,20	0,22	0,01
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00	662,20	0,22	0,01
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

(1)

(2) Accurate estimation of CH₄ and N₂O emissions depends on combustion conditions, technology, and emission control policy, as well as fuel characteristics. Therefore, caution should be used when comparing the implied emission factors.

(3) Carbon dioxide emissions from biomass are reported under Memo Items. The content of the cells is not included in the totals.

Note: For the coverage of fuel categories, please refer to the IPCC Guidelines (Volume 1. Reporting Instructions - Common Reporting Framework, section 1.2, p. 1.19). If some derived gases (e.g. gas work gas, coke oven gas, blast gas, oxygen steel furnace gas, etc.) are considered, Parties should provide information on the allocation of these derived gases under the above fuel categories (liquid, solid, gaseous, biomass, other fuels) in the documentation box at the end of sheet 4 of this table.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 2 of 4)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.2 Manufacturing Industries and Construction	95,797,45	NCV				6,513,15	0,82	0,40
Liquid Fuels	36,197,46	NCV	74,99	6,16	7,65	2,714,49	0,22	0,28
Solid Fuels	20,438,76	NCV	95,99	12,77	2,99	1,961,85	0,26	0,06
Gaseous Fuels	32,281,23	NCV	56,90	4,00	1,00	1,836,80	0,13	0,03
Biomass	6,880,00	NCV	100,64	30,06	3,93 ⁽³⁾	692,40	0,21	0,03
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Iron and Steel	922,55	NCV				58,98	0,00	0,00
Liquid Fuels	197,85	NCV	69,84	1,28	1,52	13,82	0,00	0,00
Solid Fuels	87,11	NCV	102,00	1,50	3,00	8,89	0,00	0,00
Gaseous Fuels	637,59	NCV	56,90	4,00	1,00	36,28	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Non-Ferrous Metals	218,90	NCV				15,17	0,00	0,00
Liquid Fuels	194,10	NCV	70,89	7,68	1,56	13,76	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	24,80	NCV	56,90	3,99	1,01	1,41	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Chemicals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
d. Pulp, Paper and Print	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
e. Food Processing, Beverages and Tobacco	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
f. Other (please specify)	94,656,00	NCV				6,438,99	0,82	0,40
Liquid Fuels	35,805,51	NCV	75,04	6,18	7,72	2,686,92	0,22	0,28
Solid Fuels	20,351,66	NCV	95,96	12,82	2,99	1,952,97	0,26	0,06
Gaseous Fuels	31,618,84	NCV	56,90	4,00	1,00	1,799,11	0,13	0,03
Biomass	6,880,00	NCV	100,64	30,06	3,93 ⁽³⁾	692,40	0,21	0,03
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 3 of 4)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.3 Transport	158,257,11	NCV				11,634,20	3,02	0,92
Gasoline	82,691,52	NCV	72,97	31,28	7,42	6,034,24	2,59	0,61
Diesel	75,158,88	NCV	74,11	5,18	4,07	5,570,36	0,39	0,31
Natural Gas	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾	0,00	0,00	0,00
Other Fuels	406,71	NCV	72,77	105,72	0,50	29,60	0,04	0,00
a. Civil Aviation	2,360,34	NCV				170,07	0,01	0,01
Aviation Gasoline	121,34	NCV	73,00	21,90	2,00	8,86	0,00	0,00
Jet Kerosene	2,239,00	NCV	72,00	1,69	3,74	161,21	0,00	0,01
b. Road Transportation	143,986,07	NCV				10,574,53	2,94	0,86
Gasoline	80,331,18	NCV	73,00	32,12	7,53	5,864,18	2,58	0,60
Diesel Oil	63,643,35	NCV	74,00	5,60	4,01	4,709,61	0,36	0,26
Natural Gas	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels (please specify)	11,54	NCV				0,75	0,00	0,00
LPG		NCV	0,00	0,00	0,00			
	11,54	NCV	65,00	24,52	0,00	0,75	0,00	0,00
c. Railways	4,058,12	NCV				300,30	0,02	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Liquid Fuels	4,058,12	NCV	74,00	4,76	2,04	300,30	0,02	0,01
Other Fuels (please specify)	0,00	NCV				0,00	0,00	0,00
	0,00	NCV	0,00	0,00	0,00			
d. Navigation	7,852,58	NCV				589,30	0,06	0,04
Coal	0,00	NCV	0,00	0,00	0,00			
Residual Oil	2,152,59	NCV	78,00	1,76	4,89	167,90	0,00	0,01
Gas/Diesel Oil	5,304,81	NCV	74,00	1,82	5,99	392,55	0,01	0,03
Other Fuels (please specify)	395,17	NCV				28,85	0,04	0,00
Kerosene, Gasoline, LPG		NCV	0,00	0,00	0,00			
	395,17	NCV	73,00	108,10	0,52	28,85	0,04	0,00
e. Other Transportation	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 4 of 4)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.4 Other Sectors	129,562,34	NCV				7,960,29	6,02	0,63
Liquid Fuels	78,762,34	NCV	74,12	7,37	6,92	5,837,69	0,58	0,54
Solid Fuels	800,00	NCV	95,00	15,00	3,00	76,00	0,01	0,00
Gaseous Fuels	36,000,00	NCV	56,85	5,00	1,00	2,046,60	0,18	0,04
Biomass	14,000,00	NCV	101,04	374,66	3,02 ⁽³⁾	1,414,56	5,25	0,04
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Commercial/Institutional	30,499,99	NCV				1,908,11	0,34	0,05
Liquid Fuels	12,700,00	NCV	74,58	6,50	2,00	947,20	0,08	0,03
Solid Fuels	600,00	NCV	95,00	15,00	3,00	57,00	0,01	0,00
Gaseous Fuels	15,900,00	NCV	56,85	5,00	1,00	903,92	0,08	0,02
Biomass	1,300,00	NCV	91,66	127,08	3,23 ⁽³⁾	119,16	0,17	0,00
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Residential	77,261,14	NCV				4,439,45	5,58	0,15
Liquid Fuels	44,261,14	NCV	74,06	9,02	1,99	3,277,76	0,40	0,09
Solid Fuels	200,00	NCV	95,00	15,00	3,00	19,00	0,00	0,00
Gaseous Fuels	20,100,00	NCV	56,85	5,00	1,00	1,142,69	0,10	0,02
Biomass	12,700,00	NCV	102,00	400,00	3,00 ⁽³⁾	1,295,40	5,08	0,04
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Agriculture/Forestry/Fisheries	21,801,21	NCV				1,612,73	0,10	0,43
Liquid Fuels	21,801,21	NCV	73,97	4,53	19,79	1,612,73	0,10	0,43
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
I.A.5 Other (Not elsewhere specified) ⁽⁴⁾	0,00	NCV				251,52	0,01	0,01
Liquid Fuels	0,00	NCV	0,00	0,00	0,00	251,52	0,01	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

⁽⁴⁾ Include military fuel use under this category.

Documentation Box:

I.A.2f note: Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.

TABLE 1.A(b) SECTORAL BACKGROUND DATA FOR ENERGY
CO₂ from Fuel Combustion Activities - Reference Approach (IPCC Worksheet 1-1)
(Sheet 1 of 1)

Denmark
1994
April 11, 2001

FUEL TYPES			Unit	Production	Imports	Exports	International bunkers	Stock change	Apparent consumption	Conversion factor ⁽¹⁾ (TJ/Unit)	⁽¹⁾	Apparent consumption (TJ)	Carbon emission factor (t C/TJ)	Carbon content (Gg C)	Carbon stored (Gg C)	Net carbon emissions (Gg C)	Fraction of carbon oxidized	Actual CO ₂ emissions (Gg CO ₂)	
Liquid Fossil	Primary Fuels	Crude Oil							0,00		NCV	0,00		0,00		0,00		0,00	
		Orimulsion							0,00		NCV	0,00		0,00		0,00		0,00	
		Natural Gas Liquids							0,00		NCV	0,00		0,00		0,00		0,00	
	Secondary Fuels	Gasoline								0,00		NCV	0,00		0,00		0,00		0,00
		Jet Kerosene								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Other Kerosene								0,00		NCV	0,00		0,00		0,00		0,00
		Shale Oil								0,00		NCV	0,00		0,00		0,00		0,00
		Gas / Diesel Oil								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Residual Fuel Oil								0,00		NCV	0,00		0,00		0,00		0,00
		LPG								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Ethane								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Naphtha								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Bitumen								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Lubricants								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Petroleum Coke								0,00		NCV	0,00		0,00		0,00		0,00
		Refinery Feedstocks								0,00		NCV	0,00		0,00		0,00		0,00
		Other Oil								0,00		NCV	0,00		0,00		0,00		0,00
Liquid Fossil Totals												0,00		0,00	0,00	0,00		0,00	
Solid Fossil	Primary Fuels	Anthracite ⁽²⁾							0,00		NCV	0,00		0,00		0,00		0,00	
		Coking Coal							0,00		NCV	0,00		0,00	0,00	0,00		0,00	
		Other Bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Sub-bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Lignite							0,00		NCV	0,00		0,00		0,00		0,00	
		Oil Shale							0,00		NCV	0,00		0,00		0,00		0,00	
	Peat							0,00		NCV	0,00		0,00		0,00		0,00		
	Secondary Fuels	BKB & Patent Fuel							0,00		NCV	0,00		0,00		0,00		0,00	
		Coke Oven/Gas Coke							0,00		NCV	0,00		0,00		0,00		0,00	
Solid Fuel Totals												0,00		0,00	0,00	0,00		0,00	
Gaseous Fossil	Natural Gas (Dry)							0,00		NCV	0,00		0,00	0,00	0,00	0,00		0,00	
Total												0,00		0,00	0,00	0,00		0,00	
Biomass total												0,00		0,00	0,00	0,00		0,00	
	Solid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Liquid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Gas Biomass								0,00		NCV	0,00		0,00		0,00		0,00	

⁽¹⁾ To convert quantities expressed in natural units to energy units, use net calorific values (NCV). If gross calorific values (GCV) are used in this table, please indicate this by replacing "NCV" with "GCV" in this column.

⁽²⁾ If Anthracite is not separately available, include with Other Bituminous Coal.

TABLE 1.A(c) COMPARISON OF CO₂ EMISSIONS FROM FUEL COMBUSTION
(Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

FUEL TYPES	Reference approach		National approach ⁽¹⁾		Difference ⁽²⁾	
	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (%)	CO ₂ emissions (%)
Liquid Fuels (excluding international bunkers)	0,00	0,00	342,71	24.227,06	-100,00	-100,00
Solid Fuels (excluding international bunkers)	0,00	0,00	328,09	31.189,17	-100,00	-100,00
Gaseous Fuels	0,00	0,00	103,30	6.537,41	-100,00	-100,00
Other ⁽³⁾			0,41	29,60	-100,00	-100,00
Total ⁽³⁾	0,00	0,00	774,50	61.983,23	-100,00	-100,00

⁽¹⁾ "National approach" is used to indicate the approach (if different from the Reference approach) followed by the Party to estimate its CO₂ emissions from fuel combustion reported in the national GHG inventory.

⁽²⁾ Difference of the Reference approach over the National approach (i.e. difference = 100% x ((RA-NA)/NA), where NA = National approach and RA = Reference approach).

⁽³⁾ Emissions from biomass are not included.

Note: In addition to estimating CO₂ emissions from fuel combustion by sector, Parties should also estimate these emissions using the IPCC Reference approach, as found in the IPCC Guidelines, Worksheet 1-1(Volume 2. Workbook). The Reference approach is to assist in verifying the sectoral data. Parties should also complete the above tables to compare the alternative estimates, and if the emission estimates lie more than 2 percent apart, should explain the source of this difference in the documentation box provided.

Documentation Box:

TABLE 1.A(d) SECTORAL BACKGROUND DATA FOR ENERGY
Feedstocks and Non-Energy Use of Fuels
(Sheet 1 of 1)

Denmark

1994

April 11, 2001

FUEL TYPE ⁽¹⁾	ACTIVITY DATA AND RELATED INFORMATION		IMPLIED EMISSION FACTOR	ESTIMATE
	Fuel quantity (TJ)	Fraction of carbon stored	Carbon emission factor (t C/TJ)	of carbon stored in non energy use of fuels (Gg C)
Naphtha ⁽²⁾			0,00	
Lubricants			0,00	
Bitumen			0,00	
Coal Oils and Tars (from Coking Coal)			0,00	
Natural Gas ⁽²⁾			0,00	
Gas/Diesel Oil ⁽²⁾			0,00	
LPG ⁽²⁾			0,00	
Butane ⁽²⁾			0,00	
Ethane ⁽²⁾			0,00	
Other (please specify) <input type="checkbox"/>				
			0,00	

Additional information ^(a)

CO ₂ not emitted (Gg CO ₂)	Subtracted from energy sector (specify source category)
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	

⁽¹⁾ Where fuels are used in different industries, please enter in different rows.

⁽²⁾ Enter these fuels when they are used as feedstocks.

^(a) The fuel lines continue from the table to the left.

Note: The table is consistent with the IPCC Guidelines. Parties that take into account the emissions associated with the use and disposal of these feedstocks could continue to use their methodology, and provide explanation notes in the documentation box below.

Documentation box: A fraction of energy carriers is stored in such products as plastics or asphalt. The non-stored fraction of the carbon in the energy carrier or product is oxidized, resulting in carbon dioxide emissions, either during the use of the energy carriers in the industrial production (e.g. fertilizer production), or during the use of the products (e.g. solvents, lubricants), or in both (e.g. monomers). To report associated emissions use the above table, filling an extra "Additional information" table, as shown below.	
Associated CO ₂ emissions (Gg)	Allocated under <input type="checkbox"/> ^(a) e.g. Industrial Processes, Waste Incineration, etc. (Specify source category) ^(a)

TABLE 1.B.1 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Solid Fuels
(Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTOR		EMISSIONS	
	Amount of fuel produced ⁽¹⁾	CH ₄	CO ₂	CH ₄	CO ₂
	(Mt)	(kg/t)	(kg/t)	(Gg)	(Gg)
1. B. 1. a. Coal Mining and Handling	0,00			0,00	0,00
i. Underground Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
ii. Surface Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
1. B. 1. b. Solid Fuel Transformation	0,00	0,00	0,00		
1. B. 1. c. Other (please specify) ⁽³⁾ <input type="button" value=""/>				5,58	0,00
Storage of solid fuel.		0,00	0,00		
	11,71	0,48	0,00	5,58	

- ⁽¹⁾ Use the documentation box to specify whether the fuel amount is based on the run-of-mine (ROM) production or on the saleable production.
⁽²⁾ Emissions both for Mining Activities and Post-Mining Activities are calculated with the activity data in lines Underground Mines and Surface Mines respectively.
⁽³⁾ Please click on the button to enter any other solid fuel related activities resulting in fugitive emissions, such as emissions from abandoned mines and waste piles.

Note: There are no clear references to the coverage of 1.B.1.b. and 1.B.1.c. in the IPCC Guidelines. Make sure that the emissions entered here are not reported elsewhere. If they are reported under another source category, indicate this (IE) and make a reference in Table 9 (completeness) and/or in the documentation box.

Documentation box:

Additional information ^(a)

Description	Value
Amount of CH ₄ drained (recovered) and utilized or flared (Gg)	
Number of active underground mines	
Number of mines with drainage (recovery) systems	

^(a) For underground mines.

TABLE 1.B.2 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Oil and Natural Gas
(Sheet 1 of 1)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA			IMPLIED EMISSION FACTORS			EMISSIONS		
	Description ⁽¹⁾	Unit	Value	CO ₂ (kg/unit) ⁽²⁾	CH ₄ (kg/unit) ⁽²⁾	N ₂ O (kg/unit) ⁽²⁾	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
1. B. 2. a. Oil ⁽³⁾							0,00	0,06	
i. Exploration	(e.g. number of wells drilled)		0,00	0,00	0,00				
ii. Production ⁽⁴⁾	(e.g. PJ of oil produced)		0,00	0,00	0,00				
iii. Transport	(e.g. PJ oil loaded in tankers)		0,00	0,00	0,00				
iv. Refining / Storage	(e.g. PJ oil refined)		0,00	0,00	0,00				
v. Distribution of oil products	(e.g. PJ oil refined)	Mg product	1.874.999	0,00	0,00		0,00	0,00	
vi. Other		Mg Crude	8.917.059	0,00	0,01		0,00	0,06	
1. B. 2. b. Natural Gas							0,00	10,08	
Exploration				0,00	0,00				
i. Production ⁽⁴⁾ / Processing	(e.g. PJ gas produced)	1000 m3	2.500.000	0,00	0,65			1,63	
ii. Transmission	(e.g. PJ gas consumed)	1000 m3	3.800.001	0,00	2,22		0,00	8,45	
Distribution	(e.g. PJ gas consumed)			0,00	0,00				
iii. Other Leakage	(e.g. PJ gas consumed)			0,00	0,00				
at industrial plants and power stations				0,00	0,00				
in residential and commercial sectors				0,00	0,00				
1. B. 2. c. Venting ⁽⁵⁾							0,00	0,00	
i. Oil	(e.g. PJ oil produced)			0,00	0,00				
ii. Gas	(e.g. PJ gas produced)			0,00	0,00				
iii. Combined				0,00	0,00				
Flaring							441,13	1,24	0,01
i. Oil	(e.g. PJ gas consumption)	GJ	12.164	1.150,94	0,16	0,00	14,00	0,00	
ii. Gas	(e.g. PJ gas consumption)	GJ	196.000	2.179,21	6,30	0,04	427,13	1,23	0,01
iii. Combined				0,00	0,00	0,00			
1.B.2.d. Other (please specify) ⁽⁶⁾				0,00	0,00	0,00	0,00	0,00	0,00

Additional information

Description	Value	Unit
Pipelines length (km)		
Number of oil wells		
Number of gas wells		
Gas throughput ^(a)		
Oil throughput ^(a)		
Other relevant information (specify)		

^(a) In the context of oil and gas production, throughput is a measure of the total production, such as barrels per day of oil, or cubic meters of gas per year. Specify the units of the reported value in the unit column. Take into account that these values should be consistent with the activity data reported under the production rows of the main table.

⁽¹⁾ Specify the activity data used and fill in the activity data description column, as given in the examples in brackets. Specify the unit of the activity data in the unit column. Use the document box to specify whether the fuel amount is based on the raw material production or on the saleable production. Note cases where more than one variable is used as activity data.

⁽²⁾ The unit of the implied emission factor will depend on the units of the activity data used, and is therefore not specified in this column. The unit of the implied emission factor for each activity will be kg/unit of activity data.

⁽³⁾ Use the category also to cover emissions from combined oil and gas production fields. Natural gas processing and distribution from these fields should be included under 1.B.2.b.ii and 1.B.2.b.iii, respectively.

⁽⁴⁾ If using default emission factors these categories will include emissions from production other than venting and flaring.

⁽⁵⁾ If using default emission factors, emissions from Venting and Flaring from all oil and gas production should be accounted for here. Parties using the IPCC software could report those emissions together, indicating so in the documentation box.

⁽⁶⁾ For example, fugitive CO₂ emissions from production of geothermal power could be reported here.

Documentation box:

TABLE 1.C SECTORAL BACKGROUND DATA FOR ENERGY
International Bunkers and Multilateral Operations
(Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS			EMISSIONS		
	Consumption (TJ)	CO ₂ (t/TJ)	CH ₄ (kg/TJ)	N ₂ O (kg/TJ)	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Marine Bunkers	63.311,99				4.841,84	0,11	0,30
Gasoline	0,00	0,00	0,00	0,00			
Gas/Diesel Oil	24.122,77	74,00	1,69	4,68	1.785,09	0,04	0,11
Residual Fuel Oil	39.189,22	78,00	1,76	4,89	3.056,76	0,07	0,19
Lubricants	0,00	0,00	0,00	0,00			
Coal	0,00	0,00	0,00	0,00			
Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
		0,00	0,00	0,00			
Aviation Bunkers	25.609,26				1.843,88	0,04	0,07
Jet Kerosene	25.597,90	72,00	1,49	2,85	1.843,05	0,04	0,07
Gasoline	11,35	73,00	21,93	2,03	0,83	0,00	0,00
Multilateral Operations ⁽¹⁾							

Additional information

Fuel consumption	Allocation ^(a) (percent)	
	Domestic	International
Marine	11,03	88,97
Aviation	8,44	91,56

^(a) For calculating the allocation of fuel consumption, use the sums of fuel consumption by domestic navigation and aviation (Table 1.A(a)) and by international bunkers (Table 1.C).

⁽¹⁾ Parties may choose to report or not report the activity data and emission factors for multilateral operation consistent with the principle of confidentiality stated in the UNFCCC reporting guidelines on inventories. In any case, Parties should report the emissions from multilateral operations, where available, under the Memo Items section of the Summary tables and in the Sectoral report table for energy.

Note: In accordance with the IPCC Guidelines, international aviation and marine bunker fuel emissions from fuel sold to ships or aircraft engaged in international transport should be excluded from national totals and reported separately for informational purposes only.

Documentation box: Please explain how the consumption of international marine and aviation bunkers fuels was estimated and separated from the domestic consumption.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 1 of 2)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
Total Industrial Processes	1,317,77	0,00	0,00	772,34	57,59	7,00	0,00	0,02	0,01	0,60	0,00	0,59	0,22
A. Mineral Products	1,317,77	0,00	0,00							0,00	0,00	0,00	0,00
1. Cement Production	1,198,57												
2. Lime Production	119,20												
3. Limestone and Dolomite Use	0,00												
4. Soda Ash Production and Use	0,00												
5. Asphalt Roofing	0,00												
6. Road Paving with Asphalt	0,00												
7. Other (please specify)	0,00	0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,60	0,00	0,00	0,22
1. Ammonia Production	0,00	0,00											
2. Nitric Acid Production			0,00							0,60			
3. Adipic Acid Production			0,00										
4. Carbide Production	0,00	0,00											
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,22
C. Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Iron and Steel Production	0,00	0,00											
2. Ferroalloys Production	0,00	0,00											
3. Aluminium Production	0,00	0,00					0,00						
4. SF ₆ Used in Aluminium and Magnesium Foundries									0,00				
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

methods exist for both tiers.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 2 of 2)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
D. Other Production	0,00									0,00	0,00	0,59	0,00
1. Pulp and Paper													
2. Food and Drink ⁽²⁾	0,00											0,59	
E. Production of Halocarbons and SF₆					0,00		0,00		0,00				
1. By-product Emissions					0,00		0,00		0,00				
Production of HCFC-22					0,00								
Other					0,00		0,00		0,00				
2. Fugitive Emissions					0,00		0,00		0,00				
3. Other (please specify)					0,00		0,00		0,00				
F. Consumption of Halocarbons and SF₆				772,34	57,59	7,00	0,00	0,02	0,00				
1. Refrigeration and Air Conditioning Equipment				448,70	9,82	7,00	0,00		0,00				
2. Foam Blowing				323,64	47,76		0,00		0,00				
3. Fire Extinguishers					0,00		0,00		0,00				
4. Aerosols/ Metered Dose Inhalers					0,00		0,00		0,00				
5. Solvents					0,00		0,00		0,00				
6. Semiconductor Manufacture					0,00		0,00		0,00				
7. Electrical Equipment								0,00	0,00				
8. Other (please specify)				0,00	0,00	0,00	0,00	0,02	0,00				
Emissions of SF ₆ from (1) window plate production and (2) research laboratories.													
								0,02	0,00				
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,0000	0,0000	0,0000	0,0000	0,00	0,00	0,00	0,00
	0,00												

⁽²⁾ CO₂ from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO₂ emissions of non-biogenic origin should be reported.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
 (Sheet 1 of 2)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
A. Mineral Products						1,317,77		0,00		0,00	
1. Cement Production	<i>(e.g. cement or clinker production)</i>	2.242,41	0,53			1.198,57					
2. Lime Production		209,93	0,57			119,20					
3. Limestone and Dolomite Use		0,00	0,00								
4. Soda Ash						0,00					
Soda Ash Production		0,00	0,00								
Soda Ash Use			0,00								
5. Asphalt Roofing		0,00	0,00								
6. Road Paving with Asphalt		0,00	0,00								
7. Other <i>(please specify)</i>						0,00		0,00		0,00	
Glass Production			0,00								
		0,00	0,00	0,00	0,00						
B. Chemical Industry						0,00		0,00		0,00	
1. Ammonia Production ⁽³⁾		0,00	0,00	0,00	0,00						
2. Nitric Acid Production		400,00			0,00						
3. Adipic Acid Production		0,00			0,00						
4. Carbide Production			0,00	0,00		0,00		0,00			
Silicon Carbide		0,00	0,00	0,00							
Calcium Carbide			0,00	0,00							
5. Other <i>(please specify)</i>						0,00		0,00		0,00	
Carbon Black				0,00							
Ethylene			0,00	0,00	0,00						
Dichloroethylene				0,00							
Styrene				0,00							
Methanol				0,00							
		100,00	0,00	0,00	0,00						

⁽¹⁾ Where the IPCC Guidelines provide options for activity data, e.g. cement or clinker for estimating the emissions from Cement Production, specify the activity data used (as shown in the example in brackets) in order to make the choice of emission factor more transparent and to facilitate comparisons of implied emission factors.

⁽²⁾ Enter cases in which the final emissions are reduced with the quantities of emission recovery, oxidation, destruction, transformation. Adjusted emissions are reported and the quantitative information on recovery, oxidation, destruction, and transformation should be given in the additional columns provided.

⁽³⁾ To avoid double counting make offsetting deductions from fuel consumption (e.g. natural gas) in Ammonia Production, first for feedstock use of the fuel, and then to a sequestering use of the feedstock.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
(Sheet 2 of 2)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption Quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
C. Metal Production⁽⁴⁾						0,00		0,00		0,00	
1. Iron and Steel Production		0,00	0,00			0,00		0,00			
Steel		672,56	0,00								
Pig Iron		0,00	0,00	0,00							
Sinter		0,00	0,00	0,00							
Coke		0,00	0,00	0,00							
Other (please specify) <input type="checkbox"/>						0,00		0,00			
		0,00	0,00	0,00	0,00						
2. Ferroalloys Production		0,00	0,00	0,00							
3. Aluminium Production		0,00	0,00	0,00							
4. SF ₆ Used in Aluminium and Magnesium Foundries											
5. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00						
D. Other Production						0,00					
1. Pulp and Paper											
2. Food and Drink			0,00								
G. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00	0,00					

⁽⁴⁾ More specific information (e.g. data on virgin and recycled steel production) could be provided in the documentation box.

Note: In case of confidentiality of the activity data information, the entries should provide aggregate figures but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 1 of 2)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mcc	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs ⁽¹⁾	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs ⁽¹⁾	SF ₆
	(t) ⁽²⁾																						
Total Actual Emissions of Halocarbons (by chemical) and SF₆	0,00	0,00	0,00	0,00	0,49	0,00	36,96	46,00	0,00	0,45	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		5,11
C. Metal Production															0,00	0,00							1,90
Aluminium Production															0,00	0,00							
SF ₆ Used in Aluminium Foundries																							0,00
SF ₆ Used in Magnesium Foundries																							1,90
E. Production of Halocarbons and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
1. By-product Emissions	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Production of HCFC-22	0,00																						
Other																							
2. Fugitive Emissions																							
3. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F(a). Consumption of Halocarbons and SF₆ (actual emissions - Tier 2)	0,00	0,00	0,00	0,00	0,49	0,00	36,96	46,00	0,00	0,45	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		3,21
1. Refrigeration and Air Conditioning Equipment					0,49		5,17			0,45							0,00						
2. Foam Blowing							31,79	46,00															
3. Fire Extinguishers																							
4. Aerosols/Metered Dose Inhalers																							
5. Solvents																							
6. Semiconductor Manufacture																							
7. Electrical Equipment																							0,14
8. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	3,07
Emissions of SF ₆ from (1) window plate production and (2) research laboratories.																							3,07
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00

⁽¹⁾ Although shaded, the columns with HFCs and PFCs totals on sheet 1 are kept for consistency with sheet 2 of the table.

⁽²⁾ Note that the units used in this table differ from those used in the rest of the Sectoral report tables, i.e. [t] instead of [Gg].

Note: Where information is confidential the entries should provide aggregate figures but there should be a note indicating this in the relevant documentation boxes of the Sectoral background data tables or as a comment to the corresponding cell. Gases with GWP not yet agreed upon by the COP, should be reported in Table 9 (Completeness), sheet 2.

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 2 of 2)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ea	Total HFCs	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs	SF ₆
	(t) ⁽²⁾																						
F(p). Total Potential Emissions of Halocarbons (by chemical) and SF₆ ⁽³⁾	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production ⁽⁴⁾																							
Import:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Export:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Destroyed amount																							
GWP values used	11700	650	150	1300	2800	1000	1300	140	300	3800	2900	6300	560		6500	9200	7000	7000	8700	7500	7400		23900
Total Actual Emissions ⁽⁶⁾ (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	1,37	0,00	48,05	6,44	0,00	1,73	0,00	0,00	0,00	57,59	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	122,06
C. Metal Production															0,00	0,00							45,41
E. Production of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F(a). Consumption of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	1,37	0,00	48,05	6,44	0,00	1,73	0,00	0,00	0,00	57,59	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	76,65
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Ratio of Potential/Actual Emissions from Consumption of Halocarbons and SF₆																							
Actual emissions - F(a) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	1,37	0,00	48,05	6,44	0,00	1,73	0,00	0,00	0,00	57,59	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	76,65
Potential emissions - F(p) ⁽⁷⁾ (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential/Actual emissions ratio	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽³⁾ manner corresponding to the subsectors for actual emissions defined on sheet 1 of this table, these should be reported in an annex to sheet 2, using the format of sheet 1, sector F(a). Use Summary 3 of this common reporting format to indicate whether Tier 1a or Tier 1b was used.

⁽⁴⁾ Production refers to production of new chemicals. Recycled substances could be included here, but it should be ensured that double counting of emissions is avoided. Relevant explanations should be provided as a comment to the corresponding cell.

⁽⁵⁾ Relevant just for Tier 1b.

⁽⁶⁾ Sums of the actual emissions of each chemical of halocarbons and SF₆ from the source categories given in sheet 1 of the table multiplied by the corresponding GWP values.

⁽⁷⁾ Potential emissions of each chemical of halocarbons and SF₆ taken from row F(p) multiplied by the corresponding GWP values.

Note: As stated in the revised UNFCCC guidelines, Parties should report actual emissions of HFCs, PFCs and SF₆, where data are available, providing disaggregated data by chemical and source category in units of mass and in CO₂ equivalents. Parties reporting actual emissions should also report potential emissions for the sources where the concept of potential emissions applies, for reasons of transparency and comparability.

TABLE 2(II). C, E SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Metal Production; Production of Halocarbons and SF₆
(Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾	EMISSIONS ⁽²⁾	
	Description ⁽¹⁾	(t)	(kg/t)	(t)	⁽³⁾
C. PFCs and SF₆ from Metal Production					
PFCs from Aluminium Production					
CF ₄			0,00		
C ₂ F ₆			0,00		
SF ₆				1,90	
Aluminium Foundries	(SF ₆ consumption)		0,00		
Magnesium Foundries			0,00	1,90	
E. Production of Halocarbons and SF₆					
1. By-product Emissions					
Production of HCFC-22					
HFC-23			0,00		
Other (specify chemical)					
			0,00		
2. Fugitive Emissions					
HFCs (specify chemical)					
			0,00		
PFCs (specify chemical)					
			0,00		
SF ₆			0,00		
3. Other (please specify)					
			0,00		

⁽¹⁾ Specify the activity data used as shown in the examples within brackets. Where applying Tier 1b (for C), Tier 2 (for E) and country specific methods, specify any other relevant activity data used in the documentation box below.

⁽²⁾ Emissions and implied emission factors are after recovery.









⁽³⁾ Enter cases in which the final emissions are reported after subtracting the quantities of emission recovery, oxidation, destruction, transformation. Enter these quantities in the specified column and use the documentation box for further explanations.

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 1 of 2)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
1 Refrigeration									
Air Conditioning Equipment									
Domestic Refrigeration (<i>Specify chemical</i>) ⁽²⁾ 									
(e.g. HFC-32)									
(e.g. HFC-125)									
(e.g. HFC-134a)									
(e.g. HFC-152a)									
(e.g. HFC-143a)									
Commercial Refrigeration 									
Transport Refrigeration 									
Industrial Refrigeration 									
Stationary Air-Conditioning 									
Mobile Air-Conditioning 									
2 Foam Blowing									
Hard Foam 									
Soft Foam 									

⁽¹⁾ Parties should use the documentation box to provide information on the amount of the chemical recovered (recovery efficiency) and other relevant information used in the emission estimation.

⁽²⁾ Please click on the button to specify the chemical consumed, as given in the example. If needed, new rows could be added for reporting the disaggregated chemicals from a source by clicking on the corresponding button.

Note: Table 2.(II).F provides for reporting of the activity data and emission factors used to calculate actual emissions from consumption of halocarbons and SF₆ using the "bottom-up approach" (based on the total stock of equipment and estimated emission rates from this equipment). Some Parties may prefer to estimate their actual emissions following the alternative "top-down approach" (based on annual sales of equipment and/or gas). These Parties should provide the activity data used in the current format and any other relevant information in the documentation box at the end of Table2(II)Fs2. Data these Parties should provide includes (1) the amount of fluid used to fill new products, (2) the amount of fluid used to service existing products, (3) the amount of fluid originally used to fill retiring products (the total nameplate capacity of retiring products), (4) the product lifetime, and (5) the growth rate of product sales, if this has been used to calculate the amount of fluid originally used to fill retiring products. Alternatively, Parties may provide alternative formats with equivalent information. These formats may be considered for future versions of the common reporting format after the trial period.

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 2 of 2)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
3 Fire Extinguishers <input type="checkbox"/>									
4 Aerosols									
Metered Dose Inhalers <input type="checkbox"/>									
Other <input type="checkbox"/>									
5 Solvents <input type="checkbox"/>									
6 Semiconductors <input type="checkbox"/>									
7 Electric Equipment <input type="checkbox"/>									
8 Other (please specify) <input type="checkbox"/>									

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note indicating this and explanations in the documentation box.

Documentation box:

TABLE 3 SECTORAL REPORT FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark

1994

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	N ₂ O	NMVOC
	(Gg)		
Total Solvent and Other Product Use	118,87	0,00	40,59
A. Paint Application	76,48		24,54
B. Degreasing and Dry Cleaning	0,00		
C. Chemical Products, Manufacture and Processing			2,45
D. Other (please specify)	42,40	0,00	13,60
<i>(Use of N₂O for Anaesthesia)</i>	0,00		
<i>(N₂O from Fire Extinguishers)</i>	0,00		
<i>(N₂O from Aerosol Cans)</i>	0,00		
<i>(Other Use of N₂O)</i>	0,00		
	42,40		13,60

Please account for the quantity of carbon released in the form of NMVOC in both the NMVOC and the CO₂ columns.

Note: The IPCC Guidelines do not provide methodologies for the calculation of emissions of N₂O from Solvent and Other Product Use. If reporting such data, Parties should provide additional information (activity data and emission factors) used to make these estimates in the documentation box to Table 3.A-D.

TABLE 3.A-D SECTORAL BACKGROUND DATA FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS	
	Description	(kt)	CO ₂ (t/t)	N ₂ O (t/t)
A. Paint Application		0,00	0,00	0,00
B. Degreasing and Dry Cleaning		1,97	0,00	0,00
C. Chemical Products, Manufacture and Processing				
D. Other (please specify) ⁽¹⁾				
(Use of N ₂ O for Anaesthesia)		0,00	0,00	0,00
(N ₂ O from Fire Extinguishers)		0,00	0,00	0,00
(N ₂ O from Aerosol Cans)		0,00	0,00	0,00
(Other Use of N ₂ O)		0,00	0,00	0,00

⁽¹⁾ Some probable sources are provided in brackets. Complement the list with other relevant sources. Make sure that the order is the same as in Table 3.

Note: The table follows the format of the IPCC Sectoral Report for Solvent and Other Product Use, although some of the source categories are not relevant to the direct GHG emissions.

Documentation box:

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 1 of 2)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK	CH ₄	N ₂ O	NO _x	CO	NMVOC
CATEGORIES	(Gg)				
Total Agriculture	186,90	29,68	0,00	0,00	1,14
A. Enteric Fermentation	142,63				
1. Cattle	124,75				
Dairy Cattle	72,75				
Non-Dairy Cattle	52,00				
2. Buffalo					
3. Sheep	1,16				
4. Goats					
5. Camels and Llamas					
6. Horses	0,33				
7. Mules and Asses					
8. Swine	16,38				
9. Poultry					
10. Other (please specify)	0,00				
B. Manure Management	44,28	1,60			0,00
1. Cattle	16,59				
Dairy Cattle	14,34				
Non-Dairy Cattle	2,25				
2. Buffalo					
3. Sheep	0,07				
4. Goats					
5. Camels and Llamas					
6. Horses	0,02				
7. Mules and Asses					
8. Swine	26,80				
9. Poultry	0,80				

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 2 of 2)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O	NO _x	CO	NMVOC
	(Gg)				
B. Manure Management (continued)					
10. Anaerobic Lagoons					
11. Liquid Systems		0,23			
12. Solid Storage and Dry Lot		1,37			
13. Other (please specify) <input type="checkbox"/>		0,00			0,00
C. Rice Cultivation	0,00				0,00
1. Irrigated	0,00				
2. Rainfed	0,00				
3. Deep Water	0,00				
4. Other (please specify) <input type="checkbox"/>	0,00				0,00
D. Agricultural Soils ⁽¹⁾	0,00	28,08			1,14
1. Direct Soil Emissions		17,49			1,14
2. Animal Production		1,17			
3. Indirect Emissions		9,33			
4. Other (please specify) <input type="checkbox"/>	0,00	0,09			0,00
E. Prescribed Burning of Savannas	0,00	0,00			
F. Field Burning of Agricultural Residues	0,00	0,00	0,00	0,00	0,00
1. Cereals	0,00	0,00			
2. Pulse	0,00	0,00			
3. Tuber and Root	0,00	0,00			
4. Sugar Cane	0,00	0,00			
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00
G. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ See footnote 4 to Summary 1.A of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category of the sector Agriculture should indicate the amount [Gg] of these emissions or removals in the documentation box to Table 4.D. Additional information (activity data, implied emissions factors) should also be provided using the relevant documentation box to Table 4.D. This table is not modified for reporting the CO₂ emissions and removals for the sake of consistency with the IPCC tables (i.e. IPCC Sectoral Report for Agriculture).

Note: The IPCC Guidelines do not provide methodologies for the calculation of CH₄ emissions, CH₄ and N₂O removals from agricultural soils, or CO₂ emissions from savanna burning or agricultural residues burning. If you have reported such data, you should provide additional information (activity data and emission factors) used to make these estimates using the relevant documentation boxes of the Sectoral background data tables.

TABLE 4.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

Denmark

1994

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA ⁽¹⁾ AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS
	Population size ⁽²⁾ (1000 head)	Average daily feed intake (MJ/day)	CH ₄ conversion (%)	CH ₄ (kg CH ₄ /head/yr)
1. Cattle	0			0,00
Dairy Cattle ⁽³⁾	700			104,00
Non-Dairy Cattle	1.405			37,00
2. Buffalo	0			0,00
3. Sheep	145			8,00
4. Goats	0			0,00
5. Camels and Llamas	0			0,00
6. Horses	18			18,00
7. Mules and Asses	0			0,00
8. Swine	10.923			1,50
9. Poultry	0			0,00
10. Other (please specify) <input type="checkbox"/>				0,00

Additional information (for Tier 2) ^(a)

Disaggregated list of animals ^(b)	Dairy Cattle	Non-Dairy Cattle	Other (specify)	Indicators:	
				Weight (kg)	Feeding situation ^(c)
			<input type="checkbox"/>		
Weight	(kg)				
Feeding situation ^(c)					
Milk yield	(kg/day)				
Work	(hrs/day)				
Pregnant	(%)				
Digestibility of feed	(%)				

^(a) Compare to Tables A-1 and A-2 of the IPCC Guidelines (Volume 3, Reference Manual, pp. 4.31-4.34). These data are relevant if Parties do not have data on average feed intake.

^(b) Disaggregate to the split actually used. Add columns to the table if necessary.

^(c) Specify feeding situation as pasture, stall fed, confined, open range, etc.

⁽¹⁾ In the documentation boxes to all Sectoral background data tables for Agriculture, Parties should provide information on whether the activity data is one year or a 3-year average.

⁽²⁾ Parties are encouraged to provide detailed livestock population data by animal type and region in a separate table below the documentation box. This consistent set of animal population statistics should be used to estimate CH₄ emissions from enteric fermentation, CH₄ and N₂O from manure management, N₂O direct emissions from soil and N₂O emissions associated with manure production, as well as emissions from the use of manure as fuel, and sewage-related emissions reported in the waste sector.

⁽³⁾ Including data on dairy heifers, if available.

Documentation box:

TABLE 4.B(a) SECTORAL BACKGROUND DATA FOR AGRICULTURE
CH₄ Emissions from Manure Management
 (Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS CH ₄ (kg CH ₄ /head/yr)	
	Population size (1) (1000 head)	Allocation by climate region (2)			Typical animal mass (kg)	VS ⁽³⁾ daily excretion (kg dm/head/yr)		CH ₄ producing potential (Bo) ⁽³⁾ (CH ₄ m ³ /kg VS)
		Cool	Temperate	Warm				
1. Cattle	0						0,00	
Dairy Cattle ⁽⁴⁾	700						20,50	
Non-Dairy Cattle	1.405						1,60	
2. Buffalo	0						0,00	
3. Sheep	212						0,32	
4. Goats	0						0,00	
5. Camels and Llamas	0						0,00	
6. Horses	55						0,37	
7. Mules and Asses	0						0,00	
8. Swine	17.291						1,55	
9. Poultry	25.148						0,03	

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ Climate regions are defined in terms of annual average temperature as follows: Cool=less than 15°C; Temperate=15°C to 25°C inclusive; and Warm=greater than 25°C (see Table 4.2 of the IPCC Guidelines (Volume 3, Reference Manual, p. 4.8)).

⁽³⁾ VS=Volatile Solids; Bo=maximum methane producing capacity for manure IPCC Guidelines (Volume 3, Reference Manual, p.4.23 and p. 4.15.

⁽⁴⁾ Including data on dairy heifers, if available.

Documentation Box:

Additional information (for Tier 2)

Animal category ^(a)	Indicator	Climate region	Animal waste management system					
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range paddock	Other
Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Non-Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Swine	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						

^(a) Copy the above table as many times as necessary.

^(b) MCF = Methane Conversion Factor (IPCC Guidelines, (Volume 3, Reference Manual, p. 4.9)). In the case of use of other climate region categorization, please replace the entries in the cells with the climate regions for which the MCFs are specified.

TABLE 4.B(b) SECTORAL BACKGROUND DATA FOR AGRICULTURE
N₂O Emissions from Manure Management
(Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION								IMPLIED EMISSION FACTORS	
	Population size (1) (1000s)	Nitrogen excretion (kg N/head/yr)	Nitrogen excretion per animal waste management system (kg N/yr)						Emission factor per animal waste management system (kg N ₂ O-N/kg N)	
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range and paddock	Other		
Non-Dairy Cattle	700								Anaerobic lagoon	0,000
Dairy Cattle	1.405								Liquid system	0,000
Sheep	212								Solid storage and dry lot	0,000
Swine	17.291								Other	0,000
Poultry	25.148									
Other (please specify) <input type="checkbox"/>										
Total per AWMS⁽²⁾			0,0	0,0	0,0	0,0	0,0	0,0		

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ AWMS - Animal Waste Management System.

Documentation box:

TABLE 4.C SECTORAL BACKGROUND DATA FOR AGRICULTURE

Rice Cultivation

(Sheet 1 of 1)

Denmark

1994

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR ⁽¹⁾	EMISSIONS
	Harvested area ⁽²⁾ (10 ⁻⁹ m ² /yr)	Organic amendments added ⁽³⁾ :		CH ₄ (g/m ²)	CH ₄ (Gg)
		type	(t/ha)		
1. Irrigated					0,00
Continuously Flooded				0,00	
Intermittently Flooded	Single Aeration			0,00	
	Multiple Aeration			0,00	
2. Rainfed					0,00
Flood Prone				0,00	
Drought Prone				0,00	
3. Deep Water					0,00
Water Depth 50-100 cm				0,00	
Water Depth > 100 cm				0,00	
4. Other (please specify)					0,00
				0,00	
Upland Rice ⁽⁴⁾					
Total ⁽⁴⁾	0,00				

⁽¹⁾ The implied emission factor takes account of all relevant corrections for continuously flooded fields without organic amendment plus the correction for the organic amendments, if used, as well as of the effect of different soil characteristics, if taken into account, on methane emissions.

⁽²⁾ Harvested area is the cultivated area multiplied by the number of cropping seasons per year.

⁽³⁾ Specify dry weight or wet weight for organic amendments.

⁽⁴⁾

Documentation box:

When disaggregating by more than one region within a country, provide additional information in the documentation box.

Where available, provide activity data and scaling factors by soil type and rice cultivar.

TABLE 4.D SECTORAL BACKGROUND DATA FOR AGRICULTURE

Agricultural Soils⁽¹⁾
(Sheet 1 of 1)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION		IMPLIED EMISSION FACTORS		EMISSIONS (Gg N ₂ O)
	Description	Value	Unit		
Direct Soil Emissions	N input to soils (kg N/yr)				17,49
Synthetic Fertilizers	Use of synthetic fertilizers (kg N/yr)	326.200.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,012	6,28
Animal Wastes Applied to Soils	Nitrogen input from manure applied to soils (kg N/yr)	263.700.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,009	3,71
N-fixing Crops	Dry pulses and soybeans produced (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	0,64
Crop Residue	Dry production of other crops (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	6,71
Cultivation of Histosols	Area of cultivated organic soils (ha)	18.440	(kg N ₂ O-N/ha) ⁽²⁾	5,000	0,14
Animal Production	N excretion on pasture range and paddock (kg N/yr)	40.100.000	(kg N₂O-N/kg N)⁽²⁾	0,019	1,17
Indirect Emissions					9,33
Atmospheric Deposition	(kg N/yr)	83.958.100	(kg N ₂ O-N/kg N) ⁽²⁾	0,010	1,32
Nitrogen Leaching and Run-off	N from fertilizers and animal wastes that is lost through leaching and run off (kg N/yr)	204.000.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,025	8,01
Other (please specify)					0,09
Sewage sludge used as fertilizer	(kg N/yr)	4.600.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,013	0,09
Industrial waste used as fertilizer	(kg N/yr)		(kg N ₂ O-N/kg N) ⁽²⁾	0,000	
				0,000	

Additional information

Fraction ^(a)	Description	Value
Frac _{BURN}	Fraction of crop residue burned	0,00
Frac _{FUEL}	Fraction of livestock N excretion in excrements burned for fuel	0,00
Frac _{GASF}	Fraction of synthetic fertilizer N applied to soils that volatilizes as NH ₃ and NO _x	0,02
Frac _{GASM}	Fraction of livestock N excretion that volatilizes as NH ₃ and NO _x	0,28
Frac _{GRAZ}	Fraction of livestock N excreted and deposited onto soil during grazing	
Frac _{LEACH}	Fraction of N input to soils that is lost through leaching and runoff	
Frac _{NCRBF}	Fraction of N in non-N-fixing crop	
Frac _{NCRO}	Fraction of N in N-fixing crop	
Frac _R	Fraction of crop residue removed from the field as crop	

^(a) Use the fractions as specified in the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.92 - 4.113).

⁽¹⁾ See footnote 4 to Summary 1.A. of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category should indicate the amount [Gg] of these emissions or removals and relevant additional information (activity data, implied emissions factors) in the documentation box.

⁽²⁾ To convert from N₂O-N to N₂O emissions, multiply by 44/28.

Documentation box:

TABLE 4.E SECTORAL BACKGROUND DATA FOR AGRICULTURE
Prescribed Burning of Savannas
(Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION					IMPLIED EMISSION FACTORS		EMISSIONS	
	Area of savanna burned (k ha/yr)	Average aboveground biomass density (t dm/ha)	Fraction of savanna burned	Biomass burned (Gg dm)	Nitrogen fraction in biomass	(kg/t dm)		(Gg)	
						CH ₄	N ₂ O	CH ₄	N ₂ O
(specify ecological zone) <input type="checkbox"/>								0,00	0,00
						0,00	0,00		

Additional information

	Living	Dead
Fraction of aboveground biomass		
Fraction oxidized		
Carbon fraction		

Documentation box:

TABLE 4.F SECTORAL BACKGROUND DATA FOR AGRICULTURE
Field Burning of Agricultural Residues
 (Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		EMISSIONS	
	Crop production (t)	Residue/ Crop ratio	Dry matter fraction	Fraction burned in fields	Biomass burned (Gg dm)	Nitrogen fraction in biomass of residues	CH ₄	N ₂ O	CH ₄	N ₂ O
							(kg/t dm)	(kg/t dm)	(Gg)	(Gg)
1. Cereals								0,00	0,00	
Wheat						0,00	0,00			
Barley						0,00	0,00			
Maize						0,00	0,00			
Oats						0,00	0,00			
Rye						0,00	0,00			
Rice						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
2. Pulse ⁽¹⁾								0,00	0,00	
Dry bean						0,00	0,00			
Peas						0,00	0,00			
Soybeans						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
3 Tuber and Root								0,00	0,00	
Potatoes						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
4 Sugar Cane						0,00	0,00			
5 Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			

⁽¹⁾ To be used in Table 4.D of this common reporting format.

Documentation Box:

TABLE 5 SECTORAL REPORT FOR LAND-USE CHANGE AND FORESTRY
(Sheet 1 of 1)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions/ removals	CH ₄	N ₂ O	NO _x	CO
	(Gg)						
Total Land-Use Change and Forestry	0,00	-928,00	-928,00	0,00	0,00	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-928,00	-928,00				
1. Tropical Forests			0,00				
2. Temperate Forests		-928,00	-928,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
Harvested Wood ⁽¹⁾			0,00				
			0,00				
B. Forest and Grassland Conversion⁽²⁾	0,00			0,00	0,00	0,00	0,00
1. Tropical Forests							
2. Temperate Forests							
3. Boreal Forests							
4. Grasslands/Tundra							
5. Other (please specify) <input type="checkbox"/>	0,00			0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00				
1. Tropical Forests			0,00				
2. Temperate Forests			0,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
D. CO₂ Emissions and Removals from Soil	0,00	0,00	0,00				
Cultivation of Mineral Soils			0,00				
Cultivation of Organic Soils			0,00				
Liming of Agricultural Soils			0,00				
Forest Soils			0,00				
Other (please specify) ⁽³⁾ <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
E. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00				

⁽¹⁾ Following the IPCC Guidelines, the harvested wood should be reported under Changes in Forest and Other Woody Biomass Stocks (Volume 3. Reference Manual, p.5.17).

⁽²⁾ Include only the emissions of CO₂ from Forest and Grassland Conversion. Associated removals should be reported under section D.

⁽³⁾ Include emissions from soils not reported under sections A, B and C.

Note: See footnote 4 to Summary 1.A of this common reporting format.

TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark
1994
April 11, 2001

**Changes in Forest and Other Woody Biomass Stocks
(Sheet 1 of 1)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES			ACTIVITY DATA		IMPLIED EMISSION FACTORS	ESTIMATES
			Area of forest/biomass stocks (kha)	Average annual growth rate (t dm/ha)	Implied carbon uptake factor (t C/ha)	Carbon uptake increment (Gg C)
Tropical	Plantations	<i>Acacia spp.</i>			0,00	
		<i>Eucalyptus spp.</i>			0,00	
		<i>Tectona grandis</i>			0,00	
		<i>Pinus spp</i>			0,00	
		<i>Pinus caribaea</i>			0,00	
		Mixed Hardwoods			0,00	
		Mixed Fast-Growing Hardwoods			0,00	
		Mixed Softwoods			0,00	
	Other Forests	Moist			0,00	
		Seasonal			0,00	
		Dry			0,00	
	Other (specify)				0,00	
	Temperate	Plantations			0,00	
Commercial		Evergreen			0,00	
		Deciduous			0,00	
Other (specify)				0,00		
Boreal				0,00		
			Number of trees (1000s of trees)	Annual growth rate (kt dm/1000 trees)	Carbon uptake factor (t C/tree)	Carbon uptake increment (Gg C)
Non-Forest Trees (specify type)						0,00
Total annual growth increment (Gg C)						0,00
Gg CO ₂						0,00
			Amount of biomass removed (kt dm)	Carbon emission factor (t C/t dm)	Carbon release (Gg C)	
Total biomass removed in Commercial Harvest				0,00		
Traditional Fuelwood Consumed				0,00		
Total Other Wood Use				0,00		
Total Biomass Consumption from Stocks ⁽¹⁾ (Gg C)						0,00
Other Changes in Carbon Stocks ⁽²⁾ (Gg C)						
Gg CO ₂						0,00
Net annual carbon uptake (+) or release (-) (Gg C)						0,00
Net CO ₂ emissions (-) or removals (+) (Gg CO ₂)						0,00

⁽¹⁾ Make sure that the quantity of biomass burned off-site is subtracted from this total.

⁽²⁾ The net annual carbon uptake/release is determined by comparing the annual biomass growth versus annual harvest, including the decay of forest products and slash left during harvest. The IPCC Guidelines recommend default assumption that all carbon removed in wood and other biomass from forests is oxidized in the year of removal. The emissions from decay could be included under Other Changes in Carbon Stocks.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.B SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Forest and Grassland Conversion
 (Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS					EMISSIONS					
		On and off site burning				Decay of above-ground biomass ⁽¹⁾		Burning			Decay	Burning			Decay			
		Area converted annually (kha)	Annual net loss of biomass (kt dm)	Quantity of biomass burned		Average area converted (kha)	Average annual net loss of biomass (t dm/ha)	On site				Off site CO ₂	On site			Off site CO ₂		
				On site (kt dm)	Off site (kt dm)			CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄	N ₂ O				
						(t/ha)			(Gg)									
Tropical	Wet/Very Moist							0,00	0,00	0,00	0,00	0,00						
	Moist, short dry season							0,00	0,00	0,00	0,00	0,00						
	Moist, long dry season							0,00	0,00	0,00	0,00	0,00						
	Dry							0,00	0,00	0,00	0,00	0,00						
	Montane Moist							0,00	0,00	0,00	0,00	0,00						
	Montane Dry							0,00	0,00	0,00	0,00	0,00						
Tropical Savanna/Grasslands								0,00	0,00	0,00	0,00	0,00						
Temperate	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Broadleaf							0,00	0,00	0,00	0,00	0,00						
	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
Grasslands								0,00	0,00	0,00	0,00	0,00						
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Forest-tundra							0,00	0,00	0,00	0,00	0,00						
Grasslands/Tundra								0,00	0,00	0,00	0,00	0,00						
Other (please specify) <input type="checkbox"/>								0,00	0,00	0,00	0,00	0,00						
Total								0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Activity data are for default 10-year average. Specify the average decay time which is appropriate for the local conditions, if other than 10 years.

Emissions/Removals	On site	Off site
Immediate carbon release from burning	0,00	0,00
Total On site and Off site (Gg C)	0,00	
Delayed emissions from decay (Gg C)	0,00	
Total annual carbon release (Gg C)	0,00	
Total annual CO ₂ emissions (Gg CO ₂)	0,00	

Additional information

Fractions	On site	Off site
Fraction of biomass burned (average)		
Fraction which oxidizes during burning (average)		
Carbon fraction of aboveground biomass (average)		
Fraction left to decay (average)		
Nitrogen-carbon ratio		

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.C SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Abandonment of Managed Lands
(Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		ESTIMATES	
		Total area abandoned and regrowing ⁽¹⁾		Annual rate of aboveground biomass growth		Carbon fraction of aboveground biomass		Rate of aboveground biomass carbon uptake		Annual carbon uptake in aboveground biomass	
		first 20 years (kha)	>20 years (kha)	first 20 years (t dm/ha)	>20 years (t dm/ha)	first 20 years	>20 years	first 20 years (t C/ha/yr)	>20 years (t C/ha/yr)	first 20 years (Gg C/yr)	>20 years (Gg C/yr)
Original natural ecosystems											
Tropical	Wet/Very Moist							0,00	0,00		
	Moist, short dry season							0,00	0,00		
	Moist, long dry season							0,00	0,00		
	Dry							0,00	0,00		
	Montane Moist							0,00	0,00		
	Montane Dry							0,00	0,00		
Tropical Savanna/Grasslands								0,00	0,00		
Temperate	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Broadleaf							0,00	0,00		
Grasslands								0,00	0,00		
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Forest-tundra							0,00	0,00		
Grasslands/Tundra								0,00	0,00		
Other (please specify)								0,00	0,00		
								0,00	0,00		
Total annual carbon uptake (Gg C)										0,00	
Total annual CO ₂ removal (Gg CO ₂)										0,00	

⁽¹⁾ If lands are regenerating to grassland, then the default assumption is that no significant changes in above-ground biomass occur.

Note: Sectoral background data tables on Land-use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.D SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
CO₂ Emissions and Removals from Soil
 (Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS	ESTIMATES
	Land area (Mha)	Average annual rate of soil carbon uptake/removal (Mg C/ha/yr)	Net change in soil carbon in mineral soils (Tg C over 20 yr)
Cultivation of Mineral Soils ⁽¹⁾			0,00
High Activity Soils		0,00	
Low Activity Soils		0,00	
Sandy		0,00	
Volcanic		0,00	
Wetland (Aquic)		0,00	
Other (please specify) <input type="checkbox"/>			0,00
		0,00	
	Land area (ha)	Annual loss rate (Mg C/ha/yr)	Carbon emissions from organic soils (Mg C/yr)
Cultivation of Organic Soils			0,00
Cool Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Warm Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Tropical			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
	Total annual amount of lime (Mg)	Carbon conversion factor	Carbon emissions from liming (Mg C)
Liming of Agricultural Soils			0,00
Limestone Ca(CO ₃)		0,00	
Dolomite CaMg(CO ₃) ₂		0,00	
Total annual net carbon emissions from agriculturally impacted soils (Gg C)			0,00
Total annual net CO ₂ emissions from agriculturally impacted soils (Gg CO ₂)			0,00

Additional information

Year	Climate ^(a)	land-use/ management system ^(a)	Soil type					
			High activity soils	Low activity soils	Sandy	Volcanic	Wetland (Aquic)	Organic soil
percent distribution (%)								
20 years prior	(e.g. tropical, dry)	(e.g. savanna)						
		(e.g. irrigated cropping)						
inventory year								

^(a) These should represent the major types of land management systems per climate regions presented in the country as well as ecosystem types which were either converted to agriculture (e.g., forest, savanna, grassland) or have been derived from previous agricultural land-use (e.g., abandoned lands, reforested lands). Systems should also reflect differences in soil carbon stocks that can be related to differences in management (IPCC Guidelines (Volume 2. Workbook, Table 5-9, p. 5.26, and Appendix (pp. 5-31 - 5.38)).

⁽¹⁾ The information to be reported under Cultivation of Mineral Soils aggregates data per soil type over all land-use/management systems. This refers to land area data and to the emission estimates and implied emissions factors accordingly.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation Box:

TABLE 6 SECTORAL REPORT FOR WASTE
(Sheet 1 of 1)

Denmark

1994

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Waste	0,00	65,50	0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	0,00	65,50		0,00	0,00	0,00	
1. Managed Waste Disposal on Land	0,00	65,50					
2. Unmanaged Waste Disposal Sites	0,00	0,00					
3. Other (<i>please specify</i>)	0,00	0,00		0,00	0,00	0,00	
B. Wastewater Handling		0,00	0,00	0,00	0,00	0,00	
1. Industrial Wastewater		0,00	0,00				
2. Domestic and Commercial Wastewater		0,00	0,00				
3. Other (<i>please specify</i>)		0,00	0,00	0,00	0,00	0,00	
C. Waste Incineration	0,00	0,00	0,00				
D. Other (<i>please specify</i>)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biological or inorganic waste sources.

TABLE 6.A SECTORAL BACKGROUND DATA FOR WASTE
Solid Waste Disposal
(Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION				IMPLIED EMISSION FACTOR		EMISSIONS ⁽¹⁾	
	Annual MSW at the SWDS (Gg)	MCF	DOC degraded (Gg)	CH ₄ recovery ⁽²⁾ (Gg)	CH ₄ (t/t MSW)	CO ₂ (t/t MSW)	CH ₄ (Gg)	CO ₂ ⁽³⁾ (Gg)
1 Managed Waste Disposal on Land	2.604,00				0,03	0,00	65,50	
2 Unmanaged Waste Disposal Sites					0,00	0,00	0,00	0,00
- deep (>5 m)	0,00				0,00	0,00		
- shallow (<5 m)					0,00	0,00		
3 Other (please specify)					0,00	0,00	0,00	0,00
					0,00	0,00		

TABLE 6.C SECTORAL BACKGROUND DATA FOR WASTE
Waste Incineration
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA Amount of incinerated wastes (Gg)	IMPLIED EMISSION FACTOR			EMISSIONS		
		CO ₂ (kg/t waste)	CH ₄ (kg/t waste)	N ₂ O (kg/t waste)	CO ₂ ⁽³⁾ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Waste Incineration (please specify)	0,00				0,00	0,00	0,00
(biogenic) ⁽³⁾		0,00	0,00	0,00			
(plastics and other non-biogenic waste) ⁽³⁾		0,00	0,00	0,00			
		0,00	0,00	0,00			

MSW - Municipal Solid Waste, SWDS - Solid Waste Disposal Site, MCF - Methane Correction Factor, DOC - Degradable Organic Carbon (IPCC Guidelines (Volume 3. Reference Manual, section 6.2.4)). MSW includes household waste, yard/garden waste, commercial/market waste and organic industrial solid waste. MSW should not include inorganic industrial waste such as construction or demolition materials.

⁽¹⁾ Actual emissions (after recovery).

⁽²⁾ CH₄ recovered and flared or utilized.

⁽³⁾ Under Waste Disposal, CO₂ emissions should be reported only when the disposed wastes are combusted at the disposal site which might constitute a management practice. CO₂ emissions from non-biogenic wastes are included in the totals, while the CO₂ emissions from biogenic wastes are not included in the totals.

Documentation box:

All relevant information used in calculation should be provided in the additional information box and in the documentation box.
 Parties that use country specific models should note this with a brief rationale in the documentation box and fill the relevant cells only.

Additional information

Description	Value
Total population (1000s) ^(a)	
Urban population (1000s) ^(a)	
Waste generation rate (kg/capita/day)	
Fraction of MSW disposed to SWDS	
Fraction of DOC in MSW	
Fraction of wastes incinerated	
Fraction of wastes recycled	
CH ₄ oxidation factor (b)	
CH ₄ fraction in landfill gas	
Number of SWDS recovering CH ₄	
CH ₄ generation rate constant (k) ^(c)	
Time lag considered (yr) ^(c)	
Composition of landfilled waste (%)	
Paper and paperboard	
Food and garden waste	
Plastics	
Glass	
Textiles	
Other (specify)	
other - inert	
other - organic	

^(a) Specify whether total or urban population is used and the rationale for doing so.

^(b) See IPCC Guidelines (Volume 3. Reference Manual, p. 6.9).

^(c) For Parties using Tier 2 methods.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)

(Sheet 1 of 3)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)				(Gg)				
Total National Emissions and Removals	63,861,00	-928,00	280,62	32,80	772,34	57,59	7,00	0,00	0,02	0,01	274,77	650,58	165,11	156,47
1. Energy	62,424,36		28,21	3,12							274,17	650,58	113,48	156,26
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	61,983,23		11,26	3,12						271,81	609,35	100,28	151,47
1. Energy Industries		35,624,07		1,39	1,16						105,79	9,20	1,50	111,32
2. Manufacturing Industries and Construction		6,513,15		0,82	0,40						22,10	13,54	3,83	23,19
3. Transport		11,634,20		3,02	0,92						108,89	437,13	79,24	7,09
4. Other Sectors		7,960,29		6,02	0,63						33,87	148,62	15,57	9,85
5. Other		251,52		0,01	0,01						1,17	0,85	0,14	0,03
B. Fugitive Emissions from Fuels		441,13		16,96	0,01						2,35	41,23	13,20	4,79
1. Solid Fuels		0,00		5,58	0,00						0,00	39,70	0,00	0,00
2. Oil and Natural Gas		441,13		11,38	0,01						2,35	1,53	13,20	4,79
2. Industrial Processes	1,317,77		0,00	0,00	772,34	57,59	7,00	0,00	0,02	0,01	0,60	0,00	0,59	0,22
A. Mineral Products	1,317,77		0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,60	0,00	0,00	0,22
C. Metal Production	0,00		0,00	0,00				0,00		0,00	0,00	0,00	0,00	0,00
D. Other Production ⁽³⁾	0,00										0,00	0,00	0,59	0,00
E. Production of Halocarbons and SF ₆						0,00		0,00		0,00				
F. Consumption of Halocarbons and SF ₆					772,34	57,59	7,00	0,00	0,02	0,00				
G. Other	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach. Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ Other Production includes Pulp and Paper and Food and Drink Production.

Note: The numbering of footnotes to all tables containing more than one sheet continue to the next sheet. Common footnotes are given only once at the first point of reference.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	emissions	removals			P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)				(Gg)				
3. Solvent and Other Product Use	118,87			0,00									40,59	
4. Agriculture	0,00	0,00	186,90	29,68							0,00	0,00	1,14	0,00
A. Enteric Fermentation			142,63											
B. Manure Management			44,28	1,60									0,00	
C. Rice Cultivation			0,00										0,00	
D. Agricultural Soils	⁽⁴⁾	⁽⁴⁾	0,00	28,08									1,14	
E. Prescribed Burning of Savannas			0,00	0,00							0,00	0,00	0,00	
F. Field Burning of Agricultural Residues			0,00	0,00							0,00	0,00	0,00	
G. Other			0,00	0,00							0,00	0,00	0,00	
5. Land-Use Change and Forestry	⁽⁵⁾ 0,00	⁽⁵⁾ -928,00	0,00	0,00							0,00	0,00	9,31	0,00
A. Changes in Forest and Other Woody Biomass Stocks	⁽⁵⁾ 0,00	⁽⁵⁾ -928,00												
B. Forest and Grassland Conversion	0,00		0,00	0,00							0,00	0,00	9,31	
C. Abandonment of Managed Lands	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00												
D. CO ₂ Emissions and Removals from Soil	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00												
E. Other	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00	0,00	0,00							0,00	0,00		
6. Waste	0,00		65,50	0,00							0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	⁽⁶⁾ 0,00		65,50									0,00	0,00	
B. Wastewater Handling			0,00	0,00							0,00	0,00	0,00	
C. Waste Incineration	⁽⁶⁾ 0,00		0,00	0,00							0,00	0,00	0,00	0,00
D. Other	0,00		0,00	0,00							0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽⁴⁾ According to the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.2, 4.87), CO₂ emissions from agricultural soils are to be included under Land-Use Change and Forestry (LUCF). At the same time, the Summary Report 7A (Volume 1. Reporting Instructions, Tables.27) allows for reporting CO₂ emissions or removals from agricultural soils, either in the Agriculture sector, under D. Agricultural Soils or in the Land-Use Change and Forestry sector under D. Emissions and Removals from Soil. Parties may choose either way to report emissions or removals from this source in the common reporting format, but the way they have chosen to report should be clearly indicated, by inserting explanatory comments to the corresponding cells of Summary 1.A and Summary 1.B. Double-counting of these emissions or removals should be avoided. Parties should include these emissions or removals consistently in Table8(a) (Recalculation - Recalculated data) and Table10 (Emission trends).

⁽⁵⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽⁶⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biogenic or inorganic waste streams.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs		PFCs		SF ₆		NO _x	CO	NMVOC	SO ₂	
	(Gg)				CO ₂ equivalent (Gg)				(Gg)						
	P	A	P	A	P	A	P	A							
Memo Items: ⁽⁷⁾															
International Bunkers	6,685,72		0,15	0,38							139,96	13,03	3,92	69,67	
Aviation	1,843,88		0,04	0,07							7,45	1,76	0,37	0,12	
Marine	4,841,84		0,11	0,30							132,51	11,27	3,55	69,56	
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00	
CO₂ Emissions from Biomass	4,928,08														

⁽⁷⁾ Memo Items are not included in the national totals.

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
	P	A	P	A	P	A	P	A	P	A				
Total National Emissions and Removals	63.861,00	-928,00	280,62	32,80	772,34	57,59	7,00	0,00	0,02	0,01	274,77	650,58	165,11	156,47
1. Energy	62.424,36		28,21	3,12							274,17	650,58	113,48	156,26
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	61.983,23	11,26	3,12							271,81	609,35	100,28	151,47
B. Fugitive Emissions from Fuels		441,13	16,96	0,01							2,35	41,23	13,20	4,79
2. Industrial Processes	1.317,77		0,00	0,00	772,34	57,59	7,00	0,00	0,02	0,01	0,60	0,00	0,59	0,22
3. Solvent and Other Product Use	118,87			0,00							0,00	0,00	40,59	0,00
4. Agriculture⁽³⁾	0,00	0,00	186,90	29,68							0,00	0,00	1,14	0,00
5. Land-Use Change and Forestry⁽⁴⁾	0,00⁽⁴⁾	-928,00⁽⁴⁾	0,00	0,00							0,00	0,00	9,31	0,00
6. Waste	0,00		65,50	0,00							0,00	0,00	0,00	0,00
7. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:														
International Bunkers	6.685,72		0,15	0,38							139,96	13,03	3,92	69,67
Aviation	1.843,88		0,04	0,07							7,45	1,76	0,37	0,12
Marine	4.841,84		0,11	0,30							132,51	11,27	3,55	69,56
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	4.928,08													

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in document box of Table 1.A(c). Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ See footnote 4 to Summary 1.A.

⁽⁴⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

SUMMARY 2 SUMMARY REPORT FOR CO₂ EQUIVALENT EMISSIONS
(Sheet 1 of 1)

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	Total
	CO ₂ equivalent (Gg)						
Total (Net Emissions)⁽¹⁾	62,933,00	5,893,02	10,168,25	57,59	0,00	122,06	79,173,91
1. Energy	62,424,36	592,51	968,03				63,984,90
A. Fuel Combustion (Sectoral Approach)	61,983,23	236,40	965,66				63,185,29
1. Energy Industries	35,624,07	29,17	360,74				36,013,98
2. Manufacturing Industries and Construction	6,513,15	17,22	123,21				6,653,57
3. Transport	11,634,20	63,40	284,94				11,982,54
4. Other Sectors	7,960,29	126,37	193,89				8,280,55
5. Other	251,52	0,24	2,89				254,65
B. Fugitive Emissions from Fuels	441,13	356,12	2,37				799,61
1. Solid Fuels	0,00	117,18	0,00				117,18
2. Oil and Natural Gas	441,13	238,93	2,37				682,43
2. Industrial Processes	1,317,77	0,00	0,00	57,59	0,00	122,06	1,497,41
A. Mineral Products	1,317,77	0,00	0,00				1,317,77
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00		0,00	45,41	45,41
D. Other Production	0,00						0,00
E. Production of Halocarbons and SF ₆				0,00	0,00	0,00	0,00
F. Consumption of Halocarbons and SF ₆				57,59	0,00	76,65	134,23
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	118,87		0,00				118,87
4. Agriculture	0,00	3,925,00	9,200,22				13,125,22
A. Enteric Fermentation		2,995,17					2,995,17
B. Manure Management		929,83	494,61				1,424,44
C. Rice Cultivation		0,00					0,00
D. Agricultural Soils ⁽²⁾		0,00	8,705,61				8,705,61
E. Prescribed Burning of Savannas		0,00	0,00				0,00
F. Field Burning of Agricultural Residues		0,00	0,00				0,00
G. Other		0,00	0,00				0,00
5. Land-Use Change and Forestry⁽¹⁾	-928,00	0,00	0,00				-928,00
6. Waste	0,00	1,375,50	0,00				1,375,50
A. Solid Waste Disposal on Land	0,00	1,375,50					1,375,50
B. Wastewater Handling		0,00	0,00				0,00
C. Waste Incineration	0,00	0,00	0,00				0,00
D. Other	0,00	0,00	0,00				0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:							
International Bunkers	6,685,72	3,11	117,04				6,805,87
Aviation	1,843,88	0,80	22,61				1,867,29
Marine	4,841,84	2,30	94,43				4,938,58
Multilateral Operations	0,00	0,00	0,00				0,00
CO₂ Emissions from Biomass	4,928,08						4,928,08

⁽¹⁾ For CO₂ emissions from Land-Use Change and Forestry the net emissions are to be reported. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions / removals	CH ₄	N ₂ O	Total emissions
	CO ₂ equivalent (Gg)					
Land-Use Change and Forestry						
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-928,00	-928,00			-928,00
B. Forest and Grassland Conversion	0,00		0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00			0,00
D. CO ₂ Emissions and Removals from Soil	0,00	0,00	0,00			0,00
E. Other	0,00	0,00	0,00	0,00	0,00	0,00
Total CO₂ Equivalent Emissions from Land-Use Change and Forestry	0,00	-928,00	-928,00	0,00	0,00	-928,00

Total CO₂ Equivalent Emissions without Land-Use Change and Forestry^(a) 80,101,91

Total CO₂ Equivalent Emissions with Land-Use Change and Forestry^(a) 79,173,91

^(a) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 1 of 2)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
1. Energy												
A. Fuel Combustion												
1. Energy Industries												
2. Manufacturing Industries and Construction												
3. Transport												
4. Other Sectors												
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
2. Oil and Natural Gas												
2. Industrial Processes												
A. Mineral Products												
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF ₆												
F. Consumption of Halocarbons and SF ₆												
G. Other												

⁽¹⁾ Use the following notation keys to specify the method applied: D (IPCC default), RA (Reference Approach), T1 (IPCC Tier 1), T1a, T1b, T1c (IPCC Tier 1a, Tier 1b and Tier 1c, respectively), T2 (IPCC Tier 2), T3 (IPCC Tier 3), C (CORINAIR), CS (Country Specific), M (Model). If using more than one method, enumerate the relevant methods. Explanations of any modifications to the default IPCC methods, as well as information on the proper use of methods per source category where more than one method is indicated, and explanations on the country specific methods, should be provided in the documentation box of the relevant Sectoral background data table.

⁽²⁾ Use the following notation keys to specify the emission factor used: D (IPCC default), C (CORINAIR), CS (Country Specific), PS (Plant Specific), M (Model). Where a mix of emission factors has been used, use different notations in one and the same cells with further explanation in the documentation box of the relevant Sectoral background data table.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 2 of 2)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation												
B. Manure Management												
C. Rice Cultivation												
D. Agricultural Soils												
E. Prescribed Burning of Savannas												
F. Field Burning of Agricultural Residues												
G. Other												
5. Land-Use Change and Forestry												
A. Changes in Forest and Other Woody Biomass Stocks												
B. Forest and Grassland Conversion												
C. Abandonment of Managed Lands												
D. CO ₂ Emissions and Removals from Soil												
E. Other												
6. Waste												
A. Solid Waste Disposal on Land												
B. Wastewater Handling												
C. Waste Incineration												
D. Other												
7. Other (please specify) <input type="checkbox"/>												

TABLE 7 OVERVIEW TABLE⁽¹⁾ FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 1 of 3)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
Total National Emissions and Removals																					
1 Energy																					
A. Fuel Combustion Activities																					
Reference Approach																					
Sectoral Approach																					
1. Energy Industries																					
2. Manufacturing Industries and Construction																					
3. Transport																					
4. Other Sectors																					
5. Other																					
B. Fugitive Emissions from Fuels																					
1. Solid Fuels																					
2. Oil and Natural Gas																					
2 Industrial Processes																					
A. Mineral Products																					
B. Chemical Industry																					
C. Metal Production																					
D. Other Production																					
E. Production of Halocarbons and SF ₆																					

⁽¹⁾ This table is intended to be used by Parties to summarize their own assessment of completeness (e.g. partial, full estimate, not estimated) and quality (high, medium, low) of major source/sink inventory estimates. The latter could be understood as a quality assessment of the uncertainty of the estimates. This table might change once the IPCC completes its work on managing uncertainties of GHG inventories. The title of the table was kept for consistency with the current table in the IPCC Guidelines.

Note: To fill in the table use the notation key as given in the IPCC Guidelines (Volume 1. Reporting Instructions, Tables. 37).

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 2 of 3)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
2 Industrial Processes (continued)																					
F. Consumption of Halocarbons and SF ₆																					
Potential ⁽²⁾																					
Actual ⁽³⁾																					
G. Other																					
3 Solvent and Other Product Use																					
4 Agriculture																					
A. Enteric Fermentation																					
B. Manure Management																					
C. Rice Cultivation																					
D. Agricultural Soils																					
E. Prescribed Burning of Savannas																					
F. Field Burning of Agricultural Residues																					
G. Other																					
5 Land-Use Change and Forestry																					
A. Changes in Forest and Other Woody Biomass Stocks																					
B. Forest and Grassland Conversion																					

⁽²⁾ Potential emissions based on Tier 1 approach of the IPCC Guidelines.

⁽³⁾ Actual emissions based on Tier 2 approach of the IPCC Guidelines.

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
 (Sheet 3 of 3)

Denmark
 1994
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
5 Land-Use Change and Forestry (continued)																					
C. Abandonment of Managed Lands																					
D. CO ₂ Emissions and Removals from Soil																					
E. Other																					
6 Waste																					
A. Solid Waste Disposal on Land																					
B. Wastewater Handling																					
C. Waste Incineration																					
D. Other																					
7 Other (please specify)																					
Memo Items:																					
International Bunkers																					
Aviation																					
Marine																					
Multilateral Operations																					
CO ₂ Emissions from Biomass																					

TABLE 8(a) RECALCULATION - RECALCULATED DATA

 Recalculated
(Sheet 1 of 2)

 year:

 Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO2			CH4			N2O		
		Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
		CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
Total National Emissions and Removals		62.483,65	62.933,00	0,72	5.924,73	5.893,02	-0,54	9.985,10	10.168,25	1,83
1. Energy		61.969,38	62.424,36	0,73	596,82	592,51	-0,72	784,30	968,03	23,43
1.A.	Fuel Combustion Activities	61.528,25	61.983,23	0,74	240,24	236,40	-1,60	781,20	965,66	23,61
1.A.1.	Energy Industries	35.624,09	35.624,07	0,00	29,19	29,17	-0,06	359,60	360,74	0,32
1.A.2.	Manufacturing Industries and Construction	6.486,02	6.513,15	0,42	15,75	17,22	9,31	62,00	123,21	98,72
1.A.3.	Transport	11.339,22	11.634,20	2,60	65,31	63,40	-2,93	272,80	284,94	4,45
1.A.4.	Other Sectors	8.020,47	7.960,29	-0,75	129,99	126,37	-2,78	86,80	193,89	123,37
1.A.5.	Other	58,45	251,52	330,32	0,00	0,24	0,00	0,00	2,89	0,00
1.B.	Fugitive Emissions from Fuels	441,13	441,13	0,00	356,58	356,12	-0,13	3,10	2,37	-23,48
1.B.1.	Solid fuel	0,00	0,00	0,00	117,18	117,18	0,00	0,00	0,00	0,00
1.B.2.	Oil and Natural Gas	441,13	441,13	0,00	239,40	238,93	-0,19	3,10	2,37	-23,48
2. Industrial Processes		1.317,77	1.317,77	0,00	27,30	0,00	-100,00	0,00	0,00	0,00
2.A.	Mineral Products	1.317,77	1.317,77	0,00	27,30	0,00	-100,00	0,00	0,00	0,00
2.B.	Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.C.	Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.D.	Other Production	0,00	0,00	0,00						
2.G.	Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use		126,50	118,87	-6,03				0,00	0,00	0,00
4. Agriculture		0,00	0,00	0,00	3.925,11	3.925,00	0,00	9.200,80	9.200,22	-0,01
4.A.	Enteric Fermentation				2.995,23	2.995,17	0,00			
4.B.	Manure Management				929,88	929,83	-0,01	496,00	494,61	-0,28
4.C.	Rice Cultivation				0,00	0,00	0,00			
4.D.	Agricultural Soils (2)			0,00	0,00	0,00	0,00	8.704,80	8.705,61	0,01
4.E.	Prescribed Burning of Savannas				0,00	0,00	0,00	0,00	0,00	0,00
4.F.	Field Burning of Agricultural Residues				0,00	0,00	0,00	0,00	0,00	0,00
4.G.	Other				0,00	0,00	0,00	0,00	0,00	0,00
5. Land-Use Change and Forestry (net)		-930,00	-928,00	-0,22	0,00	0,00	0,00	0,00	0,00	0,00
5.A.	Changes in Forest and Other Woody Biomass Stocks	-930,00	-928,00	-0,22						
5.B.	Forest and Grassland Conversion			0,00			0,00			0,00
5.C.	Abandonment of Managed Lands			0,00						
5.D.	CO2 Emissions and Removals from Soil			0,00						
5.E.	Other			0,00			0,00			0,00

(1) Estimate the percentage change due to recalculation with respect to the previous submission (Percentage change = 100% x [(LS-PS)/PS], where LS = Latest submission and PS = Previous submission. All cases of recalculation of the estimate of the source/sink category, should be addressed and explained in Table 8(b) of this common reporting format.

(2) See footnote 4 to Summary 1.A of this common reporting format.

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated
(Sheet 2 of 2)

year: 2001

Denmark
1994
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO2			CH4			N2O		
	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
6. Waste	0,00	0,00	0,00	1.375,50	1.375,50	0,00	0,00	0,00	0,00
6.A. Solid Waste Disposal on Land	0,00	0,00	0,00	1.375,50	1.375,50	0,00			
6.B. Wastewater Handling				0,00	0,00	0,00	0,00	0,00	0,00
6.C. Waste Incineration	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
6.D. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00			0,00			0,00
Memo Items:									
International Bunkers	6.736,35	6.685,72	-0,75	4,20	3,11	-26,02	96,10	117,04	21,79
Multilateral Operations	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
CO2 Emissions from Biomass	4.819,79	4.928,08	2,25						

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFCs			PFCs			SF6		
	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
Total Actual Emissions	133,57	57,59	-56,89	0,14	0,00	-100,00	166,82	122,06	-26,83
2.C.3. Aluminium Production				0,00	0,00	0,00	45,41	45,41	0,00
2.E. Production of Halocarbons and SF6	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.F. Consumption of Halocarbons and SF6	133,57	57,59	-56,89	0,14	0,00	-100,00	121,41	76,65	-36,87
Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential Emissions from Consumption of HFCs/PFCs and SF6		772,34		3,50	7,00		501,90	427,81	

	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)
Total CO2 Equivalent Emissions with Land-Use Change and Forestry (3)	78.693,60	79.173,91	0,61
Total CO2 Equivalent Emissions without Land-Use Change and Forestry (3)	79.623,60	80.101,91	0,60

(3) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Denmark
 1994
 April 11, 2001

Specify the sector and source/sink category ⁽¹⁾ where changes in estimates have occurred:	GHG	RECALCULATION DUE TO			
		CHANGES IN:			Addition/removal/ replacement of source/sink categories
		Methods ⁽²⁾	Emission factors ⁽²⁾	Activity data ⁽²⁾	

⁽¹⁾ Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table (see Table 8(a)).

⁽²⁾ Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in Table 8(a). Include relevant changes in the assumptions and coefficients under the "Methods" column.

Documentation box: Use the documentation box to report the justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory.

TABLE 9 COMPLETENESS
(Sheet 1 of 2)

Denmark
1994
April 11, 2001

Sources and sinks not reported (NE) ⁽¹⁾				
GHG	Sector ⁽²⁾	Source/sink category ⁽²⁾	Explanation	
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				
Sources and sinks reported elsewhere (IE) ⁽³⁾				
GHG	Source/sink category	Allocation as per IPCC Guidelines	Allocation used by the Party	Explanation
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				


⁽¹⁾ Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.

⁽²⁾ Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).

⁽³⁾ Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.

TABLE 9 COMPLETENESS
(Sheet 2 of 2)

Denmark
 1994
 April 11, 2001

Additional GHG emissions reported ⁽⁴⁾						
GHG 	Source category	Emissions (Gg)	Estimated GWP value (100-year horizon)	Emissions CO ₂ equivalent (Gg)	Reference to the data source of GWP value	Explanation

⁽⁴⁾ Parties are encouraged to provide information on emissions of greenhouse gases whose GWP values have not yet been agreed upon by the COP. Please include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

TABLE 11 CHECK LIST OF REPORTED INVENTORY INFORMATION ⁽¹⁾									
Party: Denmark			Year: 1994						
Contact info:	Focal point for national GHG inventories:	Jytte Boll Illerup, National Environmental Research Institute							
	Address:	P.O. Box 358, Department of Policy Analysis, DK-4000 Roskilde							
	Telephone:	0045 46301289	Fax:	0045 46301212	E-mail:	jbi@dmu.dk			
	Main institution preparing the inventory:	National Environmental Research Institute, Ministry of Environment and Energy							
General info:	Date of submission:	11-apr-01							
	Base years:	1990	PFCs, HFCs, SF6:	1995					
	Year covered in the submission:	1990-1999							
	Gases covered:	CO2, CH4, N2O, NOx, CO, NMVOC, SO2, HFCs, PFCs, SF6							
Omissions in geographic coverage:	Denmark								
Tables:	Sectoral report tables:	<input checked="" type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	Sectoral background data tables:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Summary 1 (IPCC Summary tables):		IPCC Table 7A:		<input checked="" type="checkbox"/>	IPCC Table 7B:		<input checked="" type="checkbox"/>	
	Summary 2 (CO ₂ equivalent emissions):				<input checked="" type="checkbox"/>				
	Summary 3 (Methods/Emission factors):				<input type="checkbox"/>				
	Uncertainty:		IPCC Table 8A:			National information:		<input type="checkbox"/>	
	Recalculation tables:				<input checked="" type="checkbox"/>				
	Completeness table:				<input type="checkbox"/>				
Trend table:				<input checked="" type="checkbox"/>					
CO ₂	Comparison of CO ₂ from fuel combustion:	<input type="checkbox"/>	Worksheet 1-1	Percentage of difference	-100,00			Explanation of differences	<input type="checkbox"/>
Recalculation:	CO ₂	<input type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	CH ₄	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	N ₂ O	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	HFCs, PFCs, SF ₆	<input type="checkbox"/>		<input checked="" type="checkbox"/>					
	Explanations:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Recalculation tables for all recalculated years:				<input type="checkbox"/>				
Full CRF for the recalculated base year:				<input type="checkbox"/>					
HFCs, PFCs, SF ₆ :	Disaggregation by species:	<input checked="" type="checkbox"/>	HFCs	PFCs	SF6				
	Production of Halocarbons/SF ₆ :	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
	Consumption of Halocarbons/SF ₆ :	<input type="checkbox"/>	Actual	Potential	Actual	Potential	Actual	Potential	
	Potential/Actual emission ratio:		0,00		0,00		0,00		
Reference to National Inventory Report and/or national inventory web site:	http://www.dmu.dk/1_english/1_viden/2_Miljoe-tilstand/3_lufv/4_adaei/default.asp								

CRF - Common Reporting Format.
LUCF - Land-Use Change and Forestry.

⁽¹⁾ For each omission, give an explanation for the reasons by inserting a comment to the corresponding cell.

Appendix 1.1

Annual emission inventories 1993

CRF tables for Denmark

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 1 of 2)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Energy	58,548,62	26,38	2,89	268,48	688,39	119,45	154,09
A. Fuel Combustion Activities (Sectoral Approach)	58,103,72	11,89	2,88	268,48	653,34	108,17	154,09
1. Energy Industries	31,267,86	1,26	1,04	97,25	8,91	1,38	112,77
a. Public Electricity and Heat Production	29,658,73	1,00	1,01	92,40	8,41	1,21	105,18
b. Petroleum Refining	1,609,13	0,25	0,03	4,85	0,50	0,17	7,59
c. Manufacture of Solid Fuels and Other Energy Industries	0,00	0,00	0,00				
2. Manufacturing Industries and Construction	6,415,55	0,77	0,40	22,27	14,22	4,12	21,10
a. Iron and Steel	0,00	0,00	0,00				
b. Non-Ferrous Metals	0,00	0,00	0,00				
c. Chemicals	0,00	0,00	0,00				
d. Pulp, Paper and Print	0,00	0,00	0,00				
e. Food Processing, Beverages and Tobacco	0,00	0,00	0,00				
f. Other (please specify) <input type="checkbox"/>	6,415,55	0,77	0,40	22,27	14,22	4,12	21,10
Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.							
				22,27	14,22	4,12	21,10
3. Transport	11,192,37	3,02	0,75	111,20	476,06	85,44	7,36
a. Civil Aviation	167,52	0,01	0,01	0,80	0,94	0,16	0,01
b. Road Transportation	10,067,46	2,93	0,69	96,57	465,46	80,10	1,75
c. Railways	331,35	0,02	0,01	3,09	0,46	0,19	0,10
d. Navigation	626,03	0,06	0,05	10,73	9,20	5,00	5,49
e. Other Transportation (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 2 of 2)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
4. Other Sectors	8,990,82	6,84	0,68	36,57	153,26	17,07	12,83
a. Commercial/Institutional	1,420,82	0,26	0,03	1,23	3,80	0,29	1,33
b. Residential	5,349,19	6,37	0,17	5,18	129,32	12,32	6,58
c. Agriculture/Forestry/Fisheries	2,220,82	0,22	0,47	30,16	20,14	4,47	4,92
5. Other (please specify) ⁽¹⁾	237,13	0,01	0,01	1,19	0,88	0,16	0,03
a. Stationary	0,00	0,00	0,00	0,00	0,00	0,00	0,00
b. Mobile	237,13	0,01	0,01	1,19	0,88	0,16	0,03
Emissions from military combustion of fuels.							
	237,13	0,01	0,01	1,19	0,88	0,16	0,03
B. Fugitive Emissions from Fuels	444,90	14,49	0,01	0,00	35,05	11,29	0,00
1. Solid Fuels	0,00	4,74	0,00	0,00	35,05	0,00	0,00
a. Coal Mining	0,00	0,00					
b. Solid Fuel Transformation	0,00	0,00					
c. Other (please specify)	0,00	4,74	0,00	0,00	35,05	0,00	0,00
Storage of solid fuel.							
					35,05		
2. Oil and Natural Gas	444,90	9,76	0,01	0,00	0,00	11,29	0,00
a. Oil	0,00	0,04				7,29	
b. Natural Gas	0,00	8,45				3,31	
c. Venting and Flaring	444,90	1,26	0,01	0,00	0,00	0,68	0,00
Venting	0,00	0,00				0,68	
Flaring	444,90	1,26	0,01				
d. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items: ⁽²⁾							
International Bunkers	5,993,80	0,13	0,34	124,78	11,85	3,54	65,74
Aviation	1,681,35	0,04	0,07	6,81	1,81	0,38	0,11
Marine	4,312,45	0,10	0,27	117,98	10,04	3,16	65,64
Multilateral Operations	0,00	0,00	0,00				
CO₂ Emissions from Biomass	5,098,44						

⁽¹⁾ Include military fuel use under this category.

⁽²⁾ Please do not include in energy totals.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 1 of 4)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	(1)	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A. Fuel Combustion	786.518,60	NCV				58.103,72	11,89	2,88
Liquid Fuels	328.015,46	NCV	71,45	12,03	5,13	23.436,75	3,95	1,68
Solid Fuels	302.208,30	NCV	95,00	2,50	3,00	28.709,79	0,75	0,91
Gaseous Fuels	104.193,65	NCV	56,88	5,64	1,00	5.926,07	0,59	0,10
Biomass	51.673,70	NCV	98,67	126,90	3,65 ⁽³⁾	5.098,44	6,56	0,19
Other Fuels	427,49	NCV	72,78	105,79	0,51	31,11	0,05	0,00
I.A.1. Energy Industries	393.814,65	NCV				31.267,86	1,26	1,04
Liquid Fuels	48.980,00	NCV	50,26	2,04	0,96	2.461,94	0,10	0,05
Solid Fuels	283.530,00	NCV	95,00	1,67	3,00	26.935,35	0,47	0,85
Gaseous Fuels	32.884,65	NCV	56,88	8,07	1,00	1.870,57	0,27	0,03
Biomass	28.420,00	NCV	97,78	14,65	4,00 ⁽³⁾	2.779,01	0,42	0,11
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Public Electricity and Heat Production	366.840,00	NCV				29.658,73	1,00	1,01
Liquid Fuels	32.400,00	NCV	44,58	1,15	0,83	1.444,27	0,04	0,03
Solid Fuels	283.530,00	NCV	95,00	1,67	3,00	26.935,35	0,47	0,85
Gaseous Fuels	22.490,00	NCV	56,87	3,26	1,00	1.279,11	0,07	0,02
Biomass	28.420,00	NCV	97,78	14,65	4,00 ⁽³⁾	2.779,01	0,42	0,11
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Petroleum Refining	26.974,65	NCV				1.609,13	0,25	0,03
Liquid Fuels	16.580,00	NCV	61,38	3,79	1,21	1.017,67	0,06	0,02
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	10.394,65	NCV	56,90	18,46	1,00	591,46	0,19	0,01
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Manufacture of Solid Fuels and Other Energy Industries	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

(1)

(2) Accurate estimation of CH₄ and N₂O emissions depends on combustion conditions, technology, and emission control policy, as well as fuel characteristics. Therefore, caution should be used when comparing the implied emission factors.

(3) Carbon dioxide emissions from biomass are reported under Memo Items. The content of the cells is not included in the totals.

Note: For the coverage of fuel categories, please refer to the IPCC Guidelines (Volume 1. Reporting Instructions - Common Reporting Framework, section 1.2, p. 1.19). If some derived gases (e.g. gas work gas, coke oven gas, blast gas, oxygen steel furnace gas, etc.) are considered, Parties should provide information on the allocation of these derived gases under the above fuel categories (liquid, solid, gaseous, biomass, other fuels) in the documentation box at the end of sheet 4 of this table.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 2 of 4)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.2 Manufacturing Industries and Construction	94,061,31	NCV				6,415,55	0,77	0,40
Liquid Fuels	40,598,31	NCV	77,24	5,80	7,40	3,135,87	0,24	0,30
Solid Fuels	15,509,90	NCV	95,00	15,00	3,00	1,473,44	0,23	0,05
Gaseous Fuels	31,744,10	NCV	56,90	4,00	1,00	1,806,24	0,13	0,03
Biomass	6,209,00	NCV	95,63	28,05	3,58 ⁽³⁾	593,77	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Iron and Steel	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Non-Ferrous Metals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Chemicals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
d. Pulp, Paper and Print	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
e. Food Processing, Beverages and Tobacco	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
f. Other (please specify)	94,061,31	NCV				6,415,55	0,77	0,40
Liquid Fuels	40,598,31	NCV	77,24	5,80	7,40	3,135,87	0,24	0,30
Solid Fuels	15,509,90	NCV	95,00	15,00	3,00	1,473,44	0,23	0,05
Gaseous Fuels	31,744,10	NCV	56,90	4,00	1,00	1,806,24	0,13	0,03
Biomass	6,209,00	NCV	95,63	28,05	3,58 ⁽³⁾	593,77	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 3 of 4)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.3 Transport	152.221,16	NCV				11.192,37	3,02	0,75
Gasoline	79.850,77	NCV	72,97	32,48	5,73	5.826,88	2,59	0,46
Diesel	71.942,90	NCV	74,15	5,26	4,04	5.334,38	0,38	0,29
Natural Gas	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾	0,00	0,00	0,00
Other Fuels	427,49	NCV	72,78	105,79	0,51	31,11	0,05	0,00
a. Civil Aviation	2.325,35	NCV				167,52	0,01	0,01
Aviation Gasoline	98,35	NCV	73,00	21,90	2,00	7,18	0,00	0,00
Jet Kerosene	2.227,00	NCV	72,00	1,69	3,78	160,34	0,00	0,01
b. Road Transportation	137.095,89	NCV				10.067,46	2,93	0,69
Gasoline	77.525,43	NCV	73,00	33,38	5,79	5.659,36	2,59	0,45
Diesel Oil	59.558,59	NCV	74,00	5,76	3,97	4.407,34	0,34	0,24
Natural Gas	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels (please specify)	11,87	NCV				0,77	0,00	0,00
LPG		NCV	0,00	0,00	0,00			
	11,87	NCV	65,00	25,10	0,00	0,77	0,00	0,00
c. Railways	4.477,76	NCV				331,35	0,02	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Liquid Fuels	4.477,76	NCV	74,00	4,76	2,04	331,35	0,02	0,01
Other Fuels (please specify)	0,00	NCV				0,00	0,00	0,00
	0,00	NCV	0,00	0,00	0,00			
d. Navigation	8.322,17	NCV				626,03	0,06	0,05
Coal	0,00	NCV	0,00	0,00	0,00			
Residual Oil	2.651,29	NCV	78,00	1,76	4,89	206,80	0,00	0,01
Gas/Diesel Oil	5.255,26	NCV	74,00	1,83	6,07	388,89	0,01	0,03
Other Fuels (please specify)	415,62	NCV				30,34	0,04	0,00
Kerosene, Gasoline, LPG		NCV	0,00	0,00	0,00			
	415,62	NCV	73,00	108,10	0,52	30,34	0,04	0,00
e. Other Transportation	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 4 of 4)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.4 Other Sectors	146,421,47	NCV				8,990,82	6,84	0,68
Liquid Fuels	86,643,47	NCV	74,33	7,24	6,69	6,440,56	0,63	0,58
Solid Fuels	3,168,40	NCV	95,00	15,00	3,00	301,00	0,05	0,01
Gaseous Fuels	39,564,90	NCV	56,85	4,94	1,00	2,249,26	0,20	0,04
Biomass	17,044,70	NCV	101,24	350,06	3,08 ⁽³⁾	1,725,66	5,97	0,05
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Commercial/Institutional	22,545,00	NCV				1,420,82	0,26	0,03
Liquid Fuels	9,661,00	NCV	74,43	6,53	2,00	719,10	0,06	0,02
Solid Fuels	90,00	NCV	95,00	15,00	3,00	8,55	0,00	0,00
Gaseous Fuels	12,193,00	NCV	56,85	5,00	1,00	693,17	0,06	0,01
Biomass	601,00	NCV	80,99	215,97	2,07 ⁽³⁾	48,67	0,13	0,00
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Residential	92,139,79	NCV				5,349,19	6,37	0,17
Liquid Fuels	51,842,59	NCV	74,13	8,77	1,99	3,842,84	0,45	0,10
Solid Fuels	950,00	NCV	95,00	15,00	3,00	90,25	0,01	0,00
Gaseous Fuels	24,909,40	NCV	56,85	5,00	1,00	1,416,10	0,12	0,02
Biomass	14,437,80	NCV	101,98	399,84	3,00 ⁽³⁾	1,472,38	5,77	0,04
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Agriculture/Forestry/Fisheries	31,736,68	NCV				2,220,82	0,22	0,47
Liquid Fuels	25,139,88	NCV	74,73	4,36	18,20	1,878,62	0,11	0,46
Solid Fuels	2,128,40	NCV	95,00	15,00	3,00	202,20	0,03	0,01
Gaseous Fuels	2,462,50	NCV	56,85	4,00	1,00	139,99	0,01	0,00
Biomass	2,005,90	NCV	102,00	32,00	4,00 ⁽³⁾	204,60	0,06	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00			
I.A.5 Other (Not elsewhere specified) ⁽⁴⁾	0,00	NCV				237,13	0,01	0,01
Liquid Fuels	0,00	NCV	0,00	0,00	0,00	237,13	0,01	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

⁽⁴⁾ Include military fuel use under this category.

Documentation Box:

I.A.2f note: Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.

TABLE 1.A(b) SECTORAL BACKGROUND DATA FOR ENERGY
CO₂ from Fuel Combustion Activities - Reference Approach (IPCC Worksheet 1-1)
(Sheet 1 of 1)

Denmark
1993
April 11, 2001

FUEL TYPES			Unit	Production	Imports	Exports	International bunkers	Stock change	Apparent consumption	Conversion factor ⁽¹⁾ (TJ/Unit)	⁽¹⁾	Apparent consumption (TJ)	Carbon emission factor (t C/TJ)	Carbon content (Gg C)	Carbon stored (Gg C)	Net carbon emissions (Gg C)	Fraction of carbon oxidized	Actual CO ₂ emissions (Gg CO ₂)	
Liquid Fossil	Primary Fuels	Crude Oil							0,00		NCV	0,00		0,00		0,00		0,00	
		Orimulsion							0,00		NCV	0,00		0,00		0,00		0,00	
		Natural Gas Liquids							0,00		NCV	0,00		0,00		0,00		0,00	
	Secondary Fuels	Gasoline								0,00		NCV	0,00		0,00		0,00		0,00
		Jet Kerosene								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Other Kerosene								0,00		NCV	0,00		0,00		0,00		0,00
		Shale Oil								0,00		NCV	0,00		0,00		0,00		0,00
		Gas / Diesel Oil								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Residual Fuel Oil								0,00		NCV	0,00		0,00		0,00		0,00
		LPG								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Ethane								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Naphtha								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Bitumen								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Lubricants								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Petroleum Coke								0,00		NCV	0,00		0,00		0,00		0,00
		Refinery Feedstocks								0,00		NCV	0,00		0,00		0,00		0,00
Other Oil								0,00		NCV	0,00		0,00		0,00		0,00		
Liquid Fossil Totals												0,00		0,00	0,00	0,00		0,00	
Solid Fossil	Primary Fuels	Anthracite ⁽²⁾							0,00		NCV	0,00		0,00		0,00		0,00	
		Coking Coal							0,00		NCV	0,00		0,00	0,00	0,00		0,00	
		Other Bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Sub-bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Lignite							0,00		NCV	0,00		0,00		0,00		0,00	
		Oil Shale							0,00		NCV	0,00		0,00		0,00		0,00	
	Peat							0,00		NCV	0,00		0,00		0,00		0,00		
	Secondary Fuels	BKB & Patent Fuel							0,00		NCV	0,00		0,00		0,00		0,00	
		Coke Oven/Gas Coke							0,00		NCV	0,00		0,00		0,00		0,00	
Solid Fuel Totals												0,00		0,00	0,00	0,00		0,00	
Gaseous Fossil	Natural Gas (Dry)							0,00		NCV	0,00		0,00	0,00	0,00	0,00		0,00	
Total												0,00		0,00	0,00	0,00		0,00	
Biomass total												0,00		0,00	0,00	0,00		0,00	
	Solid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Liquid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Gas Biomass								0,00		NCV	0,00		0,00		0,00		0,00	

⁽¹⁾ To convert quantities expressed in natural units to energy units, use net calorific values (NCV). If gross calorific values (GCV) are used in this table, please indicate this by replacing "NCV" with "GCV" in this column.

⁽²⁾ If Anthracite is not separately available, include with Other Bituminous Coal.

TABLE 1.A(c) COMPARISON OF CO₂ EMISSIONS FROM FUEL COMBUSTION
(Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

FUEL TYPES	Reference approach		National approach ⁽¹⁾		Difference ⁽²⁾	
	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (%)	CO ₂ emissions (%)
Liquid Fuels (excluding international bunkers)	0,00	0,00	328,02	23.436,75	-100,00	-100,00
Solid Fuels (excluding international bunkers)	0,00	0,00	302,21	28.709,79	-100,00	-100,00
Gaseous Fuels	0,00	0,00	104,19	5.926,07	-100,00	-100,00
Other ⁽³⁾			0,43	31,11	-100,00	-100,00
<i>Total</i> ⁽³⁾	0,00	0,00	734,84	58.103,72	-100,00	-100,00

⁽¹⁾ "National approach" is used to indicate the approach (if different from the Reference approach) followed by the Party to estimate its CO₂ emissions from fuel combustion reported in the national GHG inventory.

⁽²⁾ Difference of the Reference approach over the National approach (i.e. difference = 100% x ((RA-NA)/NA), where NA = National approach and RA = Reference approach).

⁽³⁾ Emissions from biomass are not included.

Note: In addition to estimating CO₂ emissions from fuel combustion by sector, Parties should also estimate these emissions using the IPCC Reference approach, as found in the IPCC Guidelines, Worksheet 1-1(Volume 2. Workbook). The Reference approach is to assist in verifying the sectoral data. Parties should also complete the above tables to compare the alternative estimates, and if the emission estimates lie more than 2 percent apart, should explain the source of this difference in the documentation box provided.

Documentation Box:

--

TABLE 1.A(d) SECTORAL BACKGROUND DATA FOR ENERGY
Feedstocks and Non-Energy Use of Fuels
(Sheet 1 of 1)

Denmark

1993

April 11, 2001

FUEL TYPE ⁽¹⁾	ACTIVITY DATA AND RELATED INFORMATION		IMPLIED EMISSION FACTOR	ESTIMATE
	Fuel quantity (TJ)	Fraction of carbon stored	Carbon emission factor (t C/TJ)	of carbon stored in non energy use of fuels (Gg C)
Naphtha ⁽²⁾			0,00	
Lubricants			0,00	
Bitumen			0,00	
Coal Oils and Tars (from Coking Coal)			0,00	
Natural Gas ⁽²⁾			0,00	
Gas/Diesel Oil ⁽²⁾			0,00	
LPG ⁽²⁾			0,00	
Butane ⁽²⁾			0,00	
Ethane ⁽²⁾			0,00	
Other (please specify) <input type="text"/>				
			0,00	

Additional information ^(a)

CO ₂ not emitted (Gg CO ₂)	Subtracted from energy sector (specify source category)
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	

⁽¹⁾ Where fuels are used in different industries, please enter in different rows.

⁽²⁾ Enter these fuels when they are used as feedstocks.

^(a) The fuel lines continue from the table to the left.

Note: The table is consistent with the IPCC Guidelines. Parties that take into account the emissions associated with the use and disposal of these feedstocks could continue to use their methodology, and provide explanation notes in the documentation box below.

Documentation box: A fraction of energy carriers is stored in such products as plastics or asphalt. The non-stored fraction of the carbon in the energy carrier or product is oxidized, resulting in carbon dioxide emissions, either during the use of the energy carriers in the industrial production (e.g. fertilizer production), or during the use of the products (e.g. solvents, lubricants), or in both (e.g. monomers). To report associated emissions use the above table, filling an extra "Additional information" table, as shown below.	
Associated CO ₂ emissions (Gg)	Allocated under <input type="text"/> ^(a) e.g. Industrial Processes, Waste Incineration, etc. (Specify source category) ^(a)

TABLE 1.B.1 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Solid Fuels
(Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTOR		EMISSIONS	
	Amount of fuel produced ⁽¹⁾	CH ₄	CO ₂	CH ₄	CO ₂
	(Mt)	(kg/t)	(kg/t)	(Gg)	(Gg)
I. B. 1. a. Coal Mining and Handling	0,00			0,00	0,00
i. Underground Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
ii. Surface Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
I. B. 1. b. Solid Fuel Transformation	0,00	0,00	0,00		
I. B. 1. c. Other (please specify) ⁽³⁾ <input type="button" value=""/>				4,74	0,00
Storage of solid fuel.		0,00	0,00		
	10,34	0,46	0,00	4,74	

⁽¹⁾ Use the documentation box to specify whether the fuel amount is based on the run-of-mine (ROM) production or on the saleable production.

⁽²⁾ Emissions both for Mining Activities and Post-Mining Activities are calculated with the activity data in lines Underground Mines and Surface Mines respectively.

⁽³⁾ Please click on the button to enter any other solid fuel related activities resulting in fugitive emissions, such as emissions from abandoned mines and waste piles.

Note: There are no clear references to the coverage of I.B.1.b. and I.B.1.c. in the IPCC Guidelines. Make sure that the emissions entered here are not reported elsewhere. If they are reported under another source category, indicate this (IE) and make a reference in Table 9 (completeness) and/or in the documentation box.

Documentation box:

Additional information ^(a)

Description	Value
Amount of CH ₄ drained (recovered) and utilized or flared (Gg)	
Number of active underground mines	
Number of mines with drainage (recovery) systems	

^(a) For underground mines.

TABLE 1.B.2 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Oil and Natural Gas
(Sheet 1 of 1)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA			IMPLIED EMISSION FACTORS			EMISSIONS		
	Description ⁽¹⁾	Unit	Value	CO ₂ (kg/unit) ⁽²⁾	CH ₄ (kg/unit) ⁽²⁾	N ₂ O (kg/unit) ⁽²⁾	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
1. B. 2. a. Oil ⁽³⁾							0,00	0,04	
i. Exploration	(e.g. number of wells drilled)		0,00	0,00	0,00				
ii. Production ⁽⁴⁾	(e.g. PJ of oil produced)		0,00	0,00	0,00				
iii. Transport	(e.g. PJ oil loaded in tankers)		0,00	0,00	0,00				
iv. Refining / Storage	(e.g. PJ oil refined)	Mg	8.356.000	0,00	0,01			0,04	
v. Distribution of oil products	(e.g. PJ oil refined)	Mg product	1.924.772	0,00	0,00				
vi. Other		Mg Crude	0	0,00	0,00				
1. B. 2. b. Natural Gas							0,00	8,45	
Exploration				0,00	0,00				
i. Production ⁽⁴⁾ / Processing	(e.g. PJ gas produced)	1000 m3	0	0,00	0,00				
ii. Transmission	(e.g. PJ gas consumed)	1000 m3	3.800.000	0,00	2,22			8,45	
Distribution	(e.g. PJ gas consumed)			0,00	0,00				
iii. Other Leakage	(e.g. PJ gas consumed)			0,00	0,00				
at industrial plants and power stations				0,00	0,00				
in residential and commercial sectors				0,00	0,00				
1. B. 2. c. Venting ⁽⁵⁾							0,00	0,00	
i. Oil	(e.g. PJ oil produced)			0,00	0,00				
ii. Gas	(e.g. PJ gas produced)			0,00	0,00				
iii. Combined				0,00	0,00				
Flaring							444,90	1,26	0,01
i. Oil	(e.g. PJ gas consumption)	GJ	7.819.049	56,90	0,16	0,00	444,90	1,26	0,01
ii. Gas	(e.g. PJ gas consumption)	GJ	0	0,00	0,00	0,00			
iii. Combined				0,00	0,00	0,00			
1.B.2.d. Other (please specify) ⁽⁶⁾				0,00	0,00	0,00	0,00	0,00	0,00

Additional information

Description	Value	Unit
Pipelines length (km)		
Number of oil wells		
Number of gas wells		
Gas throughput ^(a)		
Oil throughput ^(a)		
Other relevant information (specify)		

^(a) In the context of oil and gas production, throughput is a measure of the total production, such as barrels per day of oil, or cubic meters of gas per year. Specify the units of the reported value in the unit column. Take into account that these values should be consistent with the activity data reported under the production rows of the main table.

⁽¹⁾ Specify the activity data used and fill in the activity data description column, as given in the examples in brackets. Specify the unit of the activity data in the unit column. Use the document box to specify whether the fuel amount is based on the raw material production or on the saleable production. Note cases where more than one variable is used as activity data.

⁽²⁾ The unit of the implied emission factor will depend on the units of the activity data used, and is therefore not specified in this column. The unit of the implied emission factor for each activity will be kg/unit of activity data.

⁽³⁾ Use the category also to cover emissions from combined oil and gas production fields. Natural gas processing and distribution from these fields should be included under 1.B.2.b.ii and 1.B.2.b.iii, respectively.

⁽⁴⁾ If using default emission factors these categories will include emissions from production other than venting and flaring.

⁽⁵⁾ If using default emission factors, emissions from Venting and Flaring from all oil and gas production should be accounted for here. Parties using the IPCC software could report those emissions together, indicating so in the documentation box.

⁽⁶⁾ For example, fugitive CO₂ emissions from production of geothermal power could be reported here.

Documentation box:

TABLE 1.C SECTORAL BACKGROUND DATA FOR ENERGY
International Bunkers and Multilateral Operations
(Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS			EMISSIONS		
	Consumption (TJ)	CO ₂ (t/TJ)	CH ₄ (kg/TJ)	N ₂ O (kg/TJ)	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Marine Bunkers	56.268,05				4.312,45	0,10	0,27
Gasoline	0,13	73,00	106,54	0,00	0,01	0,00	0,00
Gas/Diesel Oil	19.114,20	74,00	1,69	4,68	1.414,45	0,03	0,09
Residual Fuel Oil	37.153,71	78,00	1,76	4,89	2.897,99	0,07	0,18
Lubricants	0,00	0,00	0,00	0,00			
Coal	0,00	0,00	0,00	0,00			
Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
		0,00	0,00	0,00			
Aviation Bunkers	23.351,66				1.681,35	0,04	0,07
Jet Kerosene	23.317,91	72,00	1,56	2,88	1.678,89	0,04	0,07
Gasoline	33,76	73,00	21,89	2,01	2,46	0,00	0,00
Multilateral Operations ⁽¹⁾							

Additional information

Fuel consumption	Allocation ^(a) (percent)	
	Domestic	International
Marine	12,88	87,12
Aviation	9,06	90,94

^(a) For calculating the allocation of fuel consumption, use the sums of fuel consumption by domestic navigation and aviation (Table 1.A(a)) and by international bunkers (Table 1.C).

⁽¹⁾ Parties may choose to report or not report the activity data and emission factors for multilateral operation consistent with the principle of confidentiality stated in the UNFCCC reporting guidelines on inventories. In any case, Parties should report the emissions from multilateral operations, where available, under the Memo Items section of the Summary tables and in the Sectoral report table for energy.

Note: In accordance with the IPCC Guidelines, international aviation and marine bunker fuel emissions from fuel sold to ships or aircraft engaged in international transport should be excluded from national totals and reported separately for informational purposes only.

Documentation box: Please explain how the consumption of international marine and aviation bunkers fuels was estimated and separated from the domestic consumption.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 1 of 2)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
Total Industrial Processes	1,310,99	0,00	0,00	408,50	30,20	0,00	0,00	0,02	0,01	0,00	0,00	0,00	0,00
A. Mineral Products	1,310,99	0,00	0,00							0,00	0,00	0,00	0,00
1. Cement Production	1.205,20												
2. Lime Production	105,78												
3. Limestone and Dolomite Use	0,00												
4. Soda Ash Production and Use	0,00												
5. Asphalt Roofing	0,00												
6. Road Paving with Asphalt	0,00												
7. Other (please specify)	0,00	0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Ammonia Production	0,00	0,00											
2. Nitric Acid Production			0,00										
3. Adipic Acid Production			0,00										
4. Carbide Production	0,00	0,00											
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Iron and Steel Production	0,00	0,00											
2. Ferroalloys Production	0,00	0,00											
3. Aluminium Production	0,00	0,00					0,00						
4. SF ₆ Used in Aluminium and Magnesium Foundries									0,00				
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

methods exist for both tiers.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 2 of 2)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
D. Other Production	0,00									0,00	0,00	0,00	0,00
1. Pulp and Paper													
2. Food and Drink ⁽²⁾	0,00												
E. Production of Halocarbons and SF₆					0,00		0,00		0,00				
1. By-product Emissions					0,00		0,00		0,00				
Production of HCFC-22					0,00								
Other					0,00		0,00		0,00				
2. Fugitive Emissions					0,00		0,00		0,00				
3. Other (please specify)					0,00		0,00		0,00				
F. Consumption of Halocarbons and SF₆				408,50	30,20	0,00	0,00	0,02	0,00				
1. Refrigeration and Air Conditioning Equipment				126,10	1,46	0,00	0,00		0,00				
2. Foam Blowing				282,40	28,74		0,00		0,00				
3. Fire Extinguishers					0,00		0,00		0,00				
4. Aerosols/ Metered Dose Inhalers					0,00		0,00		0,00				
5. Solvents					0,00		0,00		0,00				
6. Semiconductor Manufacture					0,00		0,00		0,00				
7. Electrical Equipment								0,00	0,00				
8. Other (please specify)				0,00	0,00	0,00	0,00	0,01	0,00				
Emissions of SF ₆ from (1) window plate production and (2) research laboratories.								0,01	0,00				
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	0,00												

⁽²⁾ CO₂ from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO₂ emissions of non-biogenic origin should be reported.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
 (Sheet 1 of 2)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
A. Mineral Products						1,310,99		0,00		0,00	
1. Cement Production	(e.g. cement or clinker production)	2.244,33	0,54			1.205,20					
2. Lime Production		385,12	0,27			105,78					
3. Limestone and Dolomite Use		0,00	0,00								
4. Soda Ash						0,00					
Soda Ash Production		0,00	0,00								
Soda Ash Use			0,00								
5. Asphalt Roofing		0,00	0,00								
6. Road Paving with Asphalt		0,00	0,00								
7. Other (please specify)						0,00		0,00		0,00	
Glass Production			0,00								
		0,00	0,00	0,00	0,00						
B. Chemical Industry						0,00		0,00		0,00	
1. Ammonia Production ⁽³⁾		0,00	0,00	0,00	0,00						
2. Nitric Acid Production		0,00			0,00						
3. Adipic Acid Production		0,00			0,00						
4. Carbide Production			0,00	0,00		0,00		0,00			
Silicon Carbide		0,00	0,00	0,00							
Calcium Carbide			0,00	0,00							
5. Other (please specify)						0,00		0,00		0,00	
Carbon Black				0,00							
Ethylene			0,00	0,00	0,00						
Dichloroethylene				0,00							
Styrene				0,00							
Methanol				0,00							
		0,00	0,00	0,00	0,00						

⁽¹⁾ Where the IPCC Guidelines provide options for activity data, e.g. cement or clinker for estimating the emissions from Cement Production, specify the activity data used (as shown in the example in brackets) in order to make the choice of emission factor more transparent and to facilitate comparisons of implied emission factors.

⁽²⁾ Enter cases in which the final emissions are reduced with the quantities of emission recovery, oxidation, destruction, transformation. Adjusted emissions are reported and the quantitative information on recovery, oxidation, destruction, and transformation should be given in the additional columns provided.

⁽³⁾ To avoid double counting make offsetting deductions from fuel consumption (e.g. natural gas) in Ammonia Production, first for feedstock use of the fuel, and then to a sequestering use of the feedstock.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
(Sheet 2 of 2)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption Quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
C. Metal Production⁽⁴⁾						0,00		0,00		0,00	
1. Iron and Steel Production		0,00	0,00			0,00		0,00			
Steel		0,00	0,00								
Pig Iron		0,00	0,00	0,00							
Sinter		0,00	0,00	0,00							
Coke		0,00	0,00	0,00							
Other (please specify) <input type="checkbox"/>						0,00		0,00			
		0,00	0,00	0,00	0,00						
2. Ferroalloys Production		0,00	0,00	0,00							
3. Aluminium Production		0,00	0,00	0,00							
4. SF ₆ Used in Aluminium and Magnesium Foundries											
5. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00						
D. Other Production						0,00					
1. Pulp and Paper											
2. Food and Drink			0,00								
G. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00	0,00					

⁽⁴⁾ More specific information (e.g. data on virgin and recycled steel production) could be provided in the documentation box.

Note: In case of confidentiality of the activity data information, the entries should provide aggregate figures but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 1 of 2)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mce	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs ⁽¹⁾	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs ⁽¹⁾	SF ₆
	(t) ⁽²⁾																						
Total Actual Emissions of Halocarbons (by chemical) and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	20,00	30,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		5,65
C. Metal Production															0,00	0,00							2,00
Aluminium Production															0,00	0,00							
SF ₆ Used in Aluminium Foundries																							0,00
SF ₆ Used in Magnesium Foundries																							2,00
E. Production of Halocarbons and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
1. By-product Emissions	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production of HCFC-22	0,00																						
Other																							
2. Fugitive Emissions																							
3. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
F(a). Consumption of Halocarbons and SF₆ (actual emissions - Tier 2)	0,00	0,00	0,00	0,00	0,00	0,00	20,00	30,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		3,65
1. Refrigeration and Air Conditioning Equipment							1,12										0,00						
2. Foam Blowing							18,88	30,00															
3. Fire Extinguishers																							
4. Aerosols/Metered Dose Inhalers																							
5. Solvents																							
6. Semiconductor Manufacture																							
7. Electrical Equipment																							0,16
8. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		3,49
Emissions of SF ₆ from (1) window plate production and (2) research laboratories.																							3,49
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00

⁽¹⁾ Although shaded, the columns with HFCs and PFCs totals on sheet 1 are kept for consistency with sheet 2 of the table.

⁽²⁾ Note that the units used in this table differ from those used in the rest of the Sectoral report tables, i.e. [t] instead of [Gg].

Note: Where information is confidential the entries should provide aggregate figures but there should be a note indicating this in the relevant documentation boxes of the Sectoral background data tables or as a comment to the corresponding cell. Gases with GWP not yet agreed upon by the COP, should be reported in Table 9 (Completeness), sheet 2.

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 2 of 2)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ea	Total HFCs	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs	SF ₆
	(t) ⁽²⁾																						
F(p). Total Potential Emissions of Halocarbons (by chemical) and SF₆ ⁽³⁾	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production ⁽⁴⁾																							
Import:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Export:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Destroyed amount																							
GWP values used	11700	650	150	1300	2800	1000	1300	140	300	3800	2900	6300	560		6500	9200	7000	7000	8700	7500	7400		23900
Total Actual Emissions ⁽⁶⁾ (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	26,00	4,20	0,00	0,00	0,00	0,00	0,00	30,20	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	135,01
C. Metal Production															0,00	0,00						0,00	47,85
E. Production of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F(a). Consumption of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	26,00	4,20	0,00	0,00	0,00	0,00	0,00	30,20	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	87,16
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Ratio of Potential/Actual Emissions from Consumption of Halocarbons and SF₆																							
Actual emissions - F(a) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	26,00	4,20	0,00	0,00	0,00	0,00	0,00	30,20	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	87,16
Potential emissions - F(p) ⁽⁷⁾ (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential/Actual emissions ratio	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽³⁾ manner corresponding to the subsectors for actual emissions defined on sheet 1 of this table, these should be reported in an annex to sheet 2, using the format of sheet 1, sector F(a). Use Summary 3 of this common reporting format to indicate whether Tier 1a or Tier 1b was used.

⁽⁴⁾ Production refers to production of new chemicals. Recycled substances could be included here, but it should be ensured that double counting of emissions is avoided. Relevant explanations should be provided as a comment to the corresponding cell.

⁽⁵⁾ Relevant just for Tier 1b.

⁽⁶⁾ Sums of the actual emissions of each chemical of halocarbons and SF₆ from the source categories given in sheet 1 of the table multiplied by the corresponding GWP values.

⁽⁷⁾ Potential emissions of each chemical of halocarbons and SF₆ taken from row F(p) multiplied by the corresponding GWP values.

Note: As stated in the revised UNFCCC guidelines, Parties should report actual emissions of HFCs, PFCs and SF₆, where data are available, providing disaggregated data by chemical and source category in units of mass and in CO₂ equivalents. Parties reporting actual emissions should also report potential emissions for the sources where the concept of potential emissions applies, for reasons of transparency and comparability.

TABLE 2(II). C, E SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Metal Production; Production of Halocarbons and SF₆
(Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾	EMISSIONS ⁽²⁾	
	Description ⁽¹⁾	(t)	(kg/t)	(t)	⁽³⁾
C. PFCs and SF₆ from Metal Production					
PFCs from Aluminium Production					
CF ₄			0,00		
C ₂ F ₆			0,00		
SF ₆				2,00	
Aluminium Foundries	(SF ₆ consumption)		0,00		
Magnesium Foundries			0,00	2,00	
E. Production of Halocarbons and SF₆					
1. By-product Emissions					
Production of HCFC-22					
HFC-23			0,00		
Other (specify chemical) <input type="checkbox"/>			0,00		
2. Fugitive Emissions					
HFCs (specify chemical) <input type="checkbox"/>			0,00		
PFCs (specify chemical) <input type="checkbox"/>			0,00		
SF ₆			0,00		
3. Other (please specify) <input type="checkbox"/>			0,00		

⁽¹⁾ Specify the activity data used as shown in the examples within brackets. Where applying Tier 1b (for C), Tier 2 (for E) and country specific methods, specify any other relevant activity data used in the documentation box below.

⁽²⁾ Emissions and implied emission factors are after recovery.









⁽³⁾ Enter cases in which the final emissions are reported after subtracting the quantities of emission recovery, oxidation, destruction, transformation. Enter these quantities in the specified column and use the documentation box for further explanations.

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 1 of 2)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
1 Refrigeration									
Air Conditioning Equipment									
Domestic Refrigeration (<i>Specify chemical</i>) ⁽²⁾ 									
(e.g. HFC-32)									
(e.g. HFC-125)									
(e.g. HFC-134a)									
(e.g. HFC-152a)									
(e.g. HFC-143a)									
Commercial Refrigeration 									
Transport Refrigeration 									
Industrial Refrigeration 									
Stationary Air-Conditioning 									
Mobile Air-Conditioning 									
2 Foam Blowing									
Hard Foam 									
Soft Foam 									

⁽¹⁾ Parties should use the documentation box to provide information on the amount of the chemical recovered (recovery efficiency) and other relevant information used in the emission estimation.

⁽²⁾ Please click on the button to specify the chemical consumed, as given in the example. If needed, new rows could be added for reporting the disaggregated chemicals from a source by clicking on the corresponding button.

Note: Table 2.(II).F provides for reporting of the activity data and emission factors used to calculate actual emissions from consumption of halocarbons and SF₆ using the "bottom-up approach" (based on the total stock of equipment and estimated emission rates from this equipment). Some Parties may prefer to estimate their actual emissions following the alternative "top-down approach" (based on annual sales of equipment and/or gas). These Parties should provide the activity data used in the current format and any other relevant information in the documentation box at the end of Table2(II)Fs2. Data these Parties should provide includes (1) the amount of fluid used to fill new products, (2) the amount of fluid used to service existing products, (3) the amount of fluid originally used to fill retiring products (the total nameplate capacity of retiring products), (4) the product lifetime, and (5) the growth rate of product sales, if this has been used to calculate the amount of fluid originally used to fill retiring products. Alternatively, Parties may provide alternative formats with equivalent information. These formats may be considered for future versions of the common reporting format after the trial period.

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 2 of 2)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
3 Fire Extinguishers <input type="checkbox"/>									
4 Aerosols									
Metered Dose Inhalers <input type="checkbox"/>									
Other <input type="checkbox"/>									
5 Solvents <input type="checkbox"/>									
6 Semiconductors <input type="checkbox"/>									
7 Electric Equipment <input type="checkbox"/>									
8 Other (please specify) <input type="checkbox"/>									

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note indicating this and explanations in the documentation box.

Documentation box:

TABLE 3 SECTORAL REPORT FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark

1993

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	N ₂ O	NM VOC
	(Gg)		
Total Solvent and Other Product Use	125,49	0,00	42,76
A. Paint Application	77,13		24,75
B. Degreasing and Dry Cleaning	0,00		
C. Chemical Products, Manufacture and Processing			2,50
D. Other (please specify)	48,36	0,00	15,52
<i>(Use of N₂O for Anaesthesia)</i>	0,00		
<i>(N₂O from Fire Extinguishers)</i>	0,00		
<i>(N₂O from Aerosol Cans)</i>	0,00		
<i>(Other Use of N₂O)</i>	0,00		
	48,36		15,52

Please account for the quantity of carbon released in the form of NMVOC in both the NMVOC and the CO₂ columns.

Note: The IPCC Guidelines do not provide methodologies for the calculation of emissions of N₂O from Solvent and Other Product Use. If reporting such data, Parties should provide additional information (activity data and emission factors) used to make these estimates in the documentation box to Table 3.A-D.

TABLE 3.A-D SECTORAL BACKGROUND DATA FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS	
	Description	(kt)	CO ₂ (t/t)	N ₂ O (t/t)
A. Paint Application		0,00	0,00	0,00
B. Degreasing and Dry Cleaning		0,00	0,00	0,00
C. Chemical Products, Manufacture and Processing				
D. Other (please specify) ⁽¹⁾				
<i>(Use of N₂O for Anaesthesia)</i>		0,00	0,00	0,00
<i>(N₂O from Fire Extinguishers)</i>		0,00	0,00	0,00
<i>(N₂O from Aerosol Cans)</i>		0,00	0,00	0,00
<i>(Other Use of N₂O)</i>		0,00	0,00	0,00

⁽¹⁾ Some probable sources are provided in brackets. Complement the list with other relevant sources. Make sure that the order is the same as in Table 3.

Note: The table follows the format of the IPCC Sectoral Report for Solvent and Other Product Use, although some of the source categories are not relevant to the direct GHG emissions.

Documentation box:

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 1 of 2)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK	CH ₄	N ₂ O	NO _x	CO	NMVOC
CATEGORIES	(Gg)				
Total Agriculture	194,52	30,60	0,00	0,00	1,02
A. Enteric Fermentation	148,06				
1. Cattle	129,08				
Dairy Cattle	74,27				
Non-Dairy Cattle	54,81				
2. Buffalo					
3. Sheep	1,26				
4. Goats					
5. Camels and Llamas					
6. Horses	0,37				
7. Mules and Asses					
8. Swine	17,35				
9. Poultry					
10. Other (please specify)	0,00				
B. Manure Management	46,46	1,60			0,00
1. Cattle	17,27				
Dairy Cattle	14,90				
Non-Dairy Cattle	2,37				
2. Buffalo					
3. Sheep	0,07				
4. Goats					
5. Camels and Llamas					
6. Horses	0,02				
7. Mules and Asses					
8. Swine	28,35				
9. Poultry	0,74				

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 2 of 2)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O	NO _x	CO	NMVOC
	(Gg)				
B. Manure Management (continued)					
10. Anaerobic Lagoons					
11. Liquid Systems		0,23			
12. Solid Storage and Dry Lot		1,37			
13. Other (please specify) <input type="checkbox"/>		0,00			0,00
C. Rice Cultivation	0,00				0,00
1. Irrigated	0,00				
2. Rainfed	0,00				
3. Deep Water	0,00				
4. Other (please specify) <input type="checkbox"/>	0,00				0,00
D. Agricultural Soils ⁽¹⁾	0,00	29,00			1,02
1. Direct Soil Emissions		17,99			1,02
2. Animal Production		1,22			
3. Indirect Emissions		9,60			
4. Other (please specify) <input type="checkbox"/>	0,00	0,19			0,00
E. Prescribed Burning of Savannas	0,00	0,00			
F. Field Burning of Agricultural Residues	0,00	0,00	0,00	0,00	0,00
1. Cereals	0,00	0,00			
2. Pulse	0,00	0,00			
3. Tuber and Root	0,00	0,00			
4. Sugar Cane	0,00	0,00			
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00
G. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ See footnote 4 to Summary 1.A of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category of the sector Agriculture should indicate the amount [Gg] of these emissions or removals in the documentation box to Table 4.D. Additional information (activity data, implied emissions factors) should also be provided using the relevant documentation box to Table 4.D. This table is not modified for reporting the CO₂ emissions and removals for the sake of consistency with the IPCC tables (i.e. IPCC Sectoral Report for Agriculture).

Note: The IPCC Guidelines do not provide methodologies for the calculation of CH₄ emissions, CH₄ and N₂O removals from agricultural soils, or CO₂ emissions from savanna burning or agricultural residues burning. If you have reported such data, you should provide additional information (activity data and emission factors) used to make these estimates using the relevant documentation boxes of the Sectoral background data tables.

TABLE 4.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

Denmark

1993

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA ⁽¹⁾ AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS
	Population size ⁽²⁾ (1000 head)	Average daily feed intake (MJ/day)	CH ₄ conversion (%)	CH ₄ (kg CH ₄ /head/yr)
1. Cattle	0			0,00
Dairy Cattle ⁽³⁾	714			104,00
Non-Dairy Cattle	1.481			37,00
2. Buffalo	0			0,00
3. Sheep	157			8,00
4. Goats	0			0,00
5. Camels and Llamas	0			0,00
6. Horses	20			18,00
7. Mules and Asses	0			0,00
8. Swine	11.568			1,50
9. Poultry	0			0,00
10. Other (please specify) <input type="checkbox"/>				0,00

Additional information (for Tier 2)^(a)

Disaggregated list of animals ^(b)	Dairy Cattle	Non-Dairy Cattle	Other (specify) <input type="checkbox"/>	Indicators:	
				Weight (kg)	Feeding situation ^(c)

^(a) Compare to Tables A-1 and A-2 of the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.31-4.34). These data are relevant if Parties do not have data on average feed intake.

^(b) Disaggregate to the split actually used. Add columns to the table if necessary.

^(c) Specify feeding situation as pasture, stall fed, confined, open range, etc.

⁽¹⁾ In the documentation boxes to all Sectoral background data tables for Agriculture, Parties should provide information on whether the activity data is one year or a 3-year average.

⁽²⁾ Parties are encouraged to provide detailed livestock population data by animal type and region in a separate table below the documentation box. This consistent set of animal population statistics should be used to estimate CH₄ emissions from enteric fermentation, CH₄ and N₂O from manure management, N₂O direct emissions from soil and N₂O emissions associated with manure production, as well as emissions from the use of manure as fuel, and sewage-related emissions reported in the waste sector.

⁽³⁾ Including data on dairy heifers, if available.

Documentation box:

TABLE 4.B(a) SECTORAL BACKGROUND DATA FOR AGRICULTURE
CH₄ Emissions from Manure Management
 (Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS CH ₄ (kg CH ₄ /head/yr)	
	Population size (1) (1000 head)	Allocation by climate region (2)			Typical animal mass (kg)	VS ⁽³⁾ daily excretion (kg dm/head/yr)		CH ₄ producing potential (Bo) ⁽³⁾ (CH ₄ m ³ /kg VS)
		Cool	Temperate	Warm				
1. Cattle	0						0,00	
Dairy Cattle ⁽⁴⁾	714						20,87	
Non-Dairy Cattle	1.481						1,60	
2. Buffalo	0						0,00	
3. Sheep	231						0,31	
4. Goats	0						0,00	
5. Camels and Llamas	0						0,00	
6. Horses	61						0,37	
7. Mules and Asses	0						0,00	
8. Swine	18.451						1,54	
9. Poultry	24.121						0,03	

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ Climate regions are defined in terms of annual average temperature as follows: Cool=less than 15°C; Temperate=15°C to 25°C inclusive; and Warm=greater than 25°C (see Table 4.2 of the IPCC Guidelines (Volume 3, Reference Manual, p. 4.8)).

⁽³⁾ VS=Volatile Solids; Bo=maximum methane producing capacity for manure IPCC Guidelines (Volume 3, Reference Manual, p.4.23 and p. 4.15.

⁽⁴⁾ Including data on dairy heifers, if available.

Documentation Box:

Additional information (for Tier 2)

Animal category ^(a)	Indicator	Climate region	Animal waste management system					
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range paddock	Other
Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Non-Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Swine	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						

^(a) Copy the above table as many times as necessary.

^(b) MCF = Methane Conversion Factor (IPCC Guidelines, (Volume 3, Reference Manual, p. 4.9)). In the case of use of other climate region categorization, please replace the entries in the cells with the climate regions for which the MCFs are specified.

TABLE 4.B(b) SECTORAL BACKGROUND DATA FOR AGRICULTURE
N₂O Emissions from Manure Management
(Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION								IMPLIED EMISSION FACTORS	
	Population size (1) (1000s)	Nitrogen excretion (kg N/head/yr)	Nitrogen excretion per animal waste management system (kg N/yr)						Emission factor per animal waste management system (kg N ₂ O-N/kg N)	
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range and paddock	Other		
Non-Dairy Cattle	714								Anaerobic lagoon	0,000
Dairy Cattle	1.481								Liquid system	0,000
Sheep	231								Solid storage and dry lot	0,000
Swine	18.451								Other	0,000
Poultry	24.121									
Other (please specify) <input type="checkbox"/>										
Total per AWMS⁽²⁾			0,0	0,0	0,0	0,0	0,0	0,0		

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ AWMS - Animal Waste Management System.

Documentation box:

TABLE 4.C SECTORAL BACKGROUND DATA FOR AGRICULTURE

Rice Cultivation

(Sheet 1 of 1)

Denmark

1993

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR ⁽¹⁾	EMISSIONS
	Harvested area ⁽²⁾ (10 ⁻⁹ m ² /yr)	Organic amendments added ⁽³⁾ :		CH ₄ (g/m ²)	CH ₄ (Gg)
		type	(t/ha)		
1. Irrigated					0,00
Continuously Flooded				0,00	
Intermittently Flooded	Single Aeration			0,00	
	Multiple Aeration			0,00	
2. Rainfed					0,00
Flood Prone				0,00	
Drought Prone				0,00	
3. Deep Water					0,00
Water Depth 50-100 cm				0,00	
Water Depth > 100 cm				0,00	
4. Other (please specify)					0,00
				0,00	
Upland Rice ⁽⁴⁾					
Total ⁽⁴⁾	0,00				

⁽¹⁾ The implied emission factor takes account of all relevant corrections for continuously flooded fields without organic amendment plus the correction for the organic amendments, if used, as well as of the effect of different soil characteristics, if taken into account, on methane emissions.

⁽²⁾ Harvested area is the cultivated area multiplied by the number of cropping seasons per year.

⁽³⁾ Specify dry weight or wet weight for organic amendments.

⁽⁴⁾

Documentation box:

When disaggregating by more than one region within a country, provide additional information in the documentation box.

Where available, provide activity data and scaling factors by soil type and rice cultivar.

TABLE 4.D SECTORAL BACKGROUND DATA FOR AGRICULTURE

Agricultural Soils⁽¹⁾
(Sheet 1 of 1)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION		IMPLIED EMISSION FACTORS		EMISSIONS (Gg N ₂ O)
	Description	Value	Unit		
Direct Soil Emissions	N input to soils (kg N/yr)				17,99
Synthetic Fertilizers	Use of synthetic fertilizers (kg N/yr)	332.900.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,012	6,41
Animal Wastes Applied to Soils	Nitrogen input from manure applied to soils (kg N/yr)	264.600.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,009	3,73
N-fixing Crops	Dry pulses and soybeans produced (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	0,70
Crop Residue	Dry production of other crops (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	7,01
Cultivation of Histosols	Area of cultivated organic soils (ha)	18.440	(kg N ₂ O-N/ha) ⁽²⁾	5,000	0,14
Animal Production	N excretion on pasture range and paddock (kg N/yr)	41.700.000	(kg N₂O-N/kg N)⁽²⁾	0,019	1,22
Indirect Emissions					9,60
Atmospheric Deposition	(kg N/yr)	84.458.800	(kg N ₂ O-N/kg N) ⁽²⁾	0,010	1,33
Nitrogen Leaching and Run-off	N from fertilizers and animal wastes that is lost through leaching and run off (kg N/yr)	210.500.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,025	8,27
Other (please specify)					0,19
Sewage sludge used as fertilizer	(kg N/yr)	9.700.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,013	0,19
Industrial waste used as fertilizer	(kg N/yr)		(kg N ₂ O-N/kg N) ⁽²⁾	0,000	
				0,000	

Additional information

Fraction ^(a)	Description	Value
Frac _{BURN}	Fraction of crop residue burned	0,00
Frac _{FUEL}	Fraction of livestock N excretion in excrements burned for fuel	0,00
Frac _{GASF}	Fraction of synthetic fertilizer N applied to soils that volatilizes as NH ₃ and NO _x	0,02
Frac _{GASM}	Fraction of livestock N excretion that volatilizes as NH ₃ and NO _x	0,28
Frac _{GRAZ}	Fraction of livestock N excreted and deposited onto soil during grazing	
Frac _{LEACH}	Fraction of N input to soils that is lost through leaching and runoff	
Frac _{NCRBF}	Fraction of N in non-N-fixing crop	
Frac _{NCRO}	Fraction of N in N-fixing crop	
Frac _R	Fraction of crop residue removed from the field as crop	

^(a) Use the fractions as specified in the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.92 - 4.113).

⁽¹⁾ See footnote 4 to Summary 1.A. of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category should indicate the amount [Gg] of these emissions or removals and relevant additional information (activity data, implied emissions factors) in the documentation box.

⁽²⁾ To convert from N₂O-N to N₂O emissions, multiply by 44/28.

Documentation box:

TABLE 4.E SECTORAL BACKGROUND DATA FOR AGRICULTURE
Prescribed Burning of Savannas
(Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION					IMPLIED EMISSION FACTORS		EMISSIONS	
	Area of savanna burned (k ha/yr)	Average aboveground biomass density (t dm/ha)	Fraction of savanna burned	Biomass burned (Gg dm)	Nitrogen fraction in biomass	(kg/t dm)		(Gg)	
						CH ₄	N ₂ O	CH ₄	N ₂ O
(specify ecological zone) <input type="checkbox"/>								0,00	0,00
						0,00	0,00		

Additional information

	Living	Dead
Fraction of aboveground biomass		
Fraction oxidized		
Carbon fraction		

Documentation box:

TABLE 4.F SECTORAL BACKGROUND DATA FOR AGRICULTURE
Field Burning of Agricultural Residues
 (Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		EMISSIONS	
	Crop production (t)	Residue/ Crop ratio	Dry matter fraction	Fraction burned in fields	Biomass burned (Gg dm)	Nitrogen fraction in biomass of residues	CH ₄	N ₂ O	CH ₄	N ₂ O
							(kg/t dm)	(kg/t dm)	(Gg)	(Gg)
1. Cereals								0,00	0,00	
Wheat						0,00	0,00			
Barley						0,00	0,00			
Maize						0,00	0,00			
Oats						0,00	0,00			
Rye						0,00	0,00			
Rice						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
2. Pulse ⁽¹⁾								0,00	0,00	
Dry bean						0,00	0,00			
Peas						0,00	0,00			
Soybeans						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
3 Tuber and Root								0,00	0,00	
Potatoes						0,00	0,00			
Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			
4 Sugar Cane						0,00	0,00			
5 Other (please specify) <input type="checkbox"/>								0,00	0,00	
						0,00	0,00			

⁽¹⁾ To be used in Table 4.D of this common reporting format.

Documentation Box:

TABLE 5 SECTORAL REPORT FOR LAND-USE CHANGE AND FORESTRY
(Sheet 1 of 1)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions/ removals	CH ₄	N ₂ O	NO _x	CO
	(Gg)						
Total Land-Use Change and Forestry	0,00	-924,00	-924,00	0,00	0,00	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-924,00	-924,00				
1. Tropical Forests			0,00				
2. Temperate Forests		-924,00	-924,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
Harvested Wood ⁽¹⁾			0,00				
			0,00				
B. Forest and Grassland Conversion⁽²⁾	0,00			0,00	0,00	0,00	0,00
1. Tropical Forests							
2. Temperate Forests							
3. Boreal Forests							
4. Grasslands/Tundra							
5. Other (please specify) <input type="checkbox"/>	0,00			0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00				
1. Tropical Forests			0,00				
2. Temperate Forests			0,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
D. CO₂ Emissions and Removals from Soil	0,00	0,00	0,00				
Cultivation of Mineral Soils			0,00				
Cultivation of Organic Soils			0,00				
Liming of Agricultural Soils			0,00				
Forest Soils			0,00				
Other (please specify) ⁽³⁾ <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
E. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00				

⁽¹⁾ Following the IPCC Guidelines, the harvested wood should be reported under Changes in Forest and Other Woody Biomass Stocks (Volume 3. Reference Manual, p.5.17).

⁽²⁾ Include only the emissions of CO₂ from Forest and Grassland Conversion. Associated removals should be reported under section D.

⁽³⁾ Include emissions from soils not reported under sections A, B and C.

Note: See footnote 4 to Summary 1.A of this common reporting format.

TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark
1993
April 11, 2001

**Changes in Forest and Other Woody Biomass Stocks
(Sheet 1 of 1)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES			ACTIVITY DATA		IMPLIED EMISSION FACTORS	ESTIMATES
			Area of forest/biomass stocks (kha)	Average annual growth rate (t dm/ha)	Implied carbon uptake factor (t C/ha)	Carbon uptake increment (Gg C)
Tropical	Plantations	<i>Acacia spp.</i>			0,00	
		<i>Eucalyptus spp.</i>			0,00	
		<i>Tectona grandis</i>			0,00	
		<i>Pinus spp</i>			0,00	
		<i>Pinus caribaea</i>			0,00	
		Mixed Hardwoods			0,00	
		Mixed Fast-Growing Hardwoods			0,00	
		Mixed Softwoods			0,00	
	Other Forests	Moist			0,00	
		Seasonal			0,00	
		Dry			0,00	
	Other (specify)				0,00	
	Temperate	Plantations			0,00	
Commercial		Evergreen			0,00	
		Deciduous			0,00	
Other (specify)				0,00		
Boreal				0,00		
			Number of trees (1000s of trees)	Annual growth rate (kt dm/1000 trees)	Carbon uptake factor (t C/tree)	Carbon uptake increment (Gg C)
Non-Forest Trees (specify type)						0,00
Total annual growth increment (Gg C)						0,00
Gg CO ₂						0,00
			Amount of biomass removed (kt dm)	Carbon emission factor (t C/t dm)	Carbon release (Gg C)	
Total biomass removed in Commercial Harvest				0,00		
Traditional Fuelwood Consumed				0,00		
Total Other Wood Use				0,00		
Total Biomass Consumption from Stocks ⁽¹⁾ (Gg C)					0,00	
Other Changes in Carbon Stocks ⁽²⁾ (Gg C)						
Gg CO ₂						0,00
Net annual carbon uptake (+) or release (-) (Gg C)						0,00
Net CO ₂ emissions (-) or removals (+) (Gg CO ₂)						0,00

⁽¹⁾ Make sure that the quantity of biomass burned off-site is subtracted from this total.

⁽²⁾ The net annual carbon uptake/release is determined by comparing the annual biomass growth versus annual harvest, including the decay of forest products and slash left during harvest. The IPCC Guidelines recommend default assumption that all carbon removed in wood and other biomass from forests is oxidized in the year of removal. The emissions from decay could be included under Other Changes in Carbon Stocks.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.B SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Forest and Grassland Conversion
 (Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS					EMISSIONS					
		On and off site burning				Decay of above-ground biomass ⁽¹⁾		Burning			Decay	Burning			Decay			
		Area converted annually (kha)	Annual net loss of biomass (kt dm)	Quantity of biomass burned		Average area converted (kha)	Average annual net loss of biomass (t dm/ha)	On site				CO ₂	CO ₂	On site			CO ₂	
				On site (kt dm)	Off site (kt dm)			CO ₂	CH ₄	N ₂ O	CO ₂			CH ₄	N ₂ O			
Vegetation types								(t/ha)			(Gg)							
Tropical	Wet/Very Moist							0,00	0,00	0,00	0,00	0,00						
	Moist, short dry season							0,00	0,00	0,00	0,00	0,00						
	Moist, long dry season							0,00	0,00	0,00	0,00	0,00						
	Dry							0,00	0,00	0,00	0,00	0,00						
	Montane Moist							0,00	0,00	0,00	0,00	0,00						
	Montane Dry							0,00	0,00	0,00	0,00	0,00						
Tropical Savanna/Grasslands								0,00	0,00	0,00	0,00	0,00						
Temperate	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Broadleaf							0,00	0,00	0,00	0,00	0,00						
	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
Grasslands								0,00	0,00	0,00	0,00	0,00						
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Forest-tundra							0,00	0,00	0,00	0,00	0,00						
Grasslands/Tundra								0,00	0,00	0,00	0,00	0,00						
Other (please specify)								0,00	0,00	0,00	0,00	0,00						
Total								0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Activity data are for default 10-year average. Specify the average decay time which is appropriate for the local conditions, if other than 10 years.

Emissions/Removals	On site	Off site
Immediate carbon release from burning	0,00	0,00
Total On site and Off site (Gg C)	0,00	
Delayed emissions from decay (Gg C)	0,00	
Total annual carbon release (Gg C)	0,00	
Total annual CO ₂ emissions (Gg CO ₂)	0,00	

Additional information

Fractions	On site	Off site
Fraction of biomass burned (average)		
Fraction which oxidizes during burning (average)		
Carbon fraction of aboveground biomass (average)		
Fraction left to decay (average)		
Nitrogen-carbon ratio		

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.C SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Abandonment of Managed Lands
(Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		ESTIMATES	
		Total area abandoned and regrowing ⁽¹⁾		Annual rate of aboveground biomass growth		Carbon fraction of aboveground biomass		Rate of aboveground biomass carbon uptake		Annual carbon uptake in aboveground biomass	
		first 20 years (kha)	>20 years (kha)	first 20 years (t dm/ha)	>20 years (t dm/ha)	first 20 years	>20 years	first 20 years (t C/ha/yr)	>20 years (t C/ha/yr)	first 20 years (Gg C/yr)	>20 years (Gg C/yr)
Original natural ecosystems											
Tropical	Wet/Very Moist							0,00	0,00		
	Moist, short dry season							0,00	0,00		
	Moist, long dry season							0,00	0,00		
	Dry							0,00	0,00		
	Montane Moist							0,00	0,00		
	Montane Dry							0,00	0,00		
Tropical Savanna/Grasslands								0,00	0,00		
Temperate	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Broadleaf							0,00	0,00		
Grasslands								0,00	0,00		
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Forest-tundra							0,00	0,00		
Grasslands/Tundra								0,00	0,00		
Other (please specify)								0,00	0,00		
								0,00	0,00		
										Total annual carbon uptake (Gg C)	0,00
										Total annual CO ₂ removal (Gg CO ₂)	0,00

⁽¹⁾ If lands are regenerating to grassland, then the default assumption is that no significant changes in above-ground biomass occur.

Note: Sectoral background data tables on Land-use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.D SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
CO₂ Emissions and Removals from Soil
 (Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS	ESTIMATES
	Land area (Mha)	Average annual rate of soil carbon uptake/removal (Mg C/ha/yr)	Net change in soil carbon in mineral soils (Tg C over 20 yr)
Cultivation of Mineral Soils ⁽¹⁾			0,00
High Activity Soils		0,00	
Low Activity Soils		0,00	
Sandy		0,00	
Volcanic		0,00	
Wetland (Aquic)		0,00	
Other (please specify)			0,00
		0,00	
	Land area (ha)	Annual loss rate (Mg C/ha/yr)	Carbon emissions from organic soils (Mg C/yr)
Cultivation of Organic Soils			0,00
Cool Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Warm Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Tropical			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
	Total annual amount of lime (Mg)	Carbon conversion factor	Carbon emissions from liming (Mg C)
Liming of Agricultural Soils			0,00
Limestone Ca(CO ₃)		0,00	
Dolomite CaMg(CO ₃) ₂		0,00	
Total annual net carbon emissions from agriculturally impacted soils (Gg C)			0,00
Total annual net CO ₂ emissions from agriculturally impacted soils (Gg CO ₂)			0,00

Additional information

Year	Climate ^(a)	land-use/ management system ^(a)	Soil type					
			High activity soils	Low activity soils	Sandy	Volcanic	Wetland (Aquic)	Organic soil
percent distribution (%)								
20 years prior	(e.g. tropical, dry)	(e.g. savanna)						
		(e.g. irrigated cropping)						
inventory year								

^(a) These should represent the major types of land management systems per climate regions presented in the country as well as ecosystem types which were either converted to agriculture (e.g., forest, savanna, grassland) or have been derived from previous agricultural land-use (e.g., abandoned lands, reforested lands). Systems should also reflect differences in soil carbon stocks that can be related to differences in management (IPCC Guidelines (Volume 2. Workbook, Table 5-9, p. 5.26, and Appendix (pp. 5-31 - 5.38)).

⁽¹⁾ The information to be reported under Cultivation of Mineral Soils aggregates data per soil type over all land-use/management systems. This refers to land area data and to the emission estimates and implied emissions factors accordingly.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation Box:

TABLE 6 SECTORAL REPORT FOR WASTE
(Sheet 1 of 1)

Denmark

1993

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Waste	0,00	64,70	0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	0,00	64,70		0,00	0,00	0,00	
1. Managed Waste Disposal on Land	0,00	64,70					
2. Unmanaged Waste Disposal Sites	0,00	0,00					
3. Other (please specify)	0,00	0,00		0,00	0,00	0,00	
B. Wastewater Handling		0,00	0,00	0,00	0,00	0,00	
1. Industrial Wastewater		0,00	0,00				
2. Domestic and Commercial Wastewater		0,00	0,00				
3. Other (please specify)		0,00	0,00	0,00	0,00	0,00	
C. Waste Incineration	0,00	0,00	0,00				
D. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biological or inorganic waste sources.

TABLE 6.A SECTORAL BACKGROUND DATA FOR WASTE
Solid Waste Disposal
(Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION				IMPLIED EMISSION FACTOR		EMISSIONS ⁽¹⁾	
	Annual MSW at the SWDS (Gg)	MCF	DOC degraded (Gg)	CH ₄ recovery ⁽²⁾ (Gg)	CH ₄ (t/t MSW)	CO ₂ (t/t MSW)	CH ₄ (Gg)	CO ₂ ⁽³⁾ (Gg)
1 Managed Waste Disposal on Land	2,746,80				0,02	0,00	64,70	
2 Unmanaged Waste Disposal Sites					0,00	0,00	0,00	0,00
- deep (>5 m)	0,00				0,00	0,00		
- shallow (<5 m)					0,00	0,00		
3 Other (please specify)					0,00	0,00	0,00	0,00

Additional information

Description	Value
Total population (1000s) ^(a)	
Urban population (1000s) ^(a)	
Waste generation rate (kg/capita/day)	
Fraction of MSW disposed to SWDS	
Fraction of DOC in MSW	
Fraction of wastes incinerated	
Fraction of wastes recycled	
CH ₄ oxidation factor (b)	
CH ₄ fraction in landfill gas	
Number of SWDS recovering CH ₄	
CH ₄ generation rate constant (k) ^(c)	
Time lag considered (yr) ^(c)	
Composition of landfilled waste (%)	
Paper and paperboard	
Food and garden waste	
Plastics	
Glass	
Textiles	
Other (specify)	
other - inert	
other - organic	

TABLE 6.C SECTORAL BACKGROUND DATA FOR WASTE
Waste Incineration
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA Amount of incinerated wastes (Gg)	IMPLIED EMISSION FACTOR			EMISSIONS		
		CO ₂ (kg/t waste)	CH ₄ (kg/t waste)	N ₂ O (kg/t waste)	CO ₂ ⁽³⁾ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Waste Incineration (please specify)	0,00				0,00	0,00	0,00
(biogenic) ⁽³⁾		0,00	0,00	0,00			
(plastics and other non-biogenic waste) ⁽³⁾		0,00	0,00	0,00			
		0,00	0,00	0,00			

MSW - Municipal Solid Waste, SWDS - Solid Waste Disposal Site, MCF - Methane Correction Factor, DOC - Degradable Organic Carbon (IPCC Guidelines (Volume 3. Reference Manual, section 6.2.4)). MSW includes household waste, yard/garden waste, commercial/market waste and organic industrial solid waste. MSW should not include inorganic industrial waste such as construction or demolition materials.

⁽¹⁾ Actual emissions (after recovery).

⁽²⁾ CH₄ recovered and flared or utilized.

⁽³⁾ Under Waste Disposal, CO₂ emissions should be reported only when the disposed wastes are combusted at the disposal site which might constitute a management practice. CO₂ emissions from non-biogenic wastes are included in the totals, while the CO₂ emissions from biogenic wastes are not included in the totals.

Documentation box:

All relevant information used in calculation should be provided in the additional information box and in the documentation box.
 Parties that use country specific models should note this with a brief rationale in the documentation box and fill the relevant cells only.

^(a) Specify whether total or urban population is used and the rationale for doing so.

^(b) See IPCC Guidelines (Volume 3. Reference Manual, p. 6.9).

^(c) For Parties using Tier 2 methods.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)

(Sheet 1 of 3)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
	P	A	P	A	P	A	P	A	P	A				
Total National Emissions and Removals	59,985,09	-924,00	285,60	33,49	408,50	30,20	0,00	0,00	0,02	0,01	268,48	688,39	172,55	154,09
1. Energy	58,548,62		26,38	2,89							268,48	688,39	119,45	154,09
A. Fuel Combustion	Reference Approach ⁽²⁾													
	Sectoral Approach ⁽²⁾													
1. Energy Industries														
2. Manufacturing Industries and Construction														
3. Transport														
4. Other Sectors														
5. Other														
B. Fugitive Emissions from Fuels														
1. Solid Fuels														
2. Oil and Natural Gas														
2. Industrial Processes	1,310,99		0,00	0,00	408,50	30,20	0,00	0,00	0,02	0,01	0,00	0,00	0,00	0,00
A. Mineral Products														
B. Chemical Industry														
C. Metal Production														
D. Other Production ⁽³⁾														
E. Production of Halocarbons and SF ₆														
F. Consumption of Halocarbons and SF ₆														
G. Other														

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach. Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ Other Production includes Pulp and Paper and Food and Drink Production.

Note: The numbering of footnotes to all tables containing more than one sheet continue to the next sheet. Common footnotes are given only once at the first point of reference.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	emissions	removals			P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)						(Gg)				
3. Solvent and Other Product Use	125,49			0,00									42,76	
4. Agriculture	0,00	0,00	194,52	30,60							0,00	0,00	1,02	0,00
A. Enteric Fermentation			148,06											
B. Manure Management			46,46	1,60									0,00	
C. Rice Cultivation			0,00										0,00	
D. Agricultural Soils	⁽⁴⁾	⁽⁴⁾	0,00	29,00									1,02	
E. Prescribed Burning of Savannas			0,00	0,00							0,00	0,00	0,00	
F. Field Burning of Agricultural Residues			0,00	0,00							0,00	0,00	0,00	
G. Other			0,00	0,00							0,00	0,00	0,00	
5. Land-Use Change and Forestry	⁽⁵⁾ 0,00	⁽⁵⁾ -924,00	0,00	0,00							0,00	0,00	9,31	0,00
A. Changes in Forest and Other Woody Biomass Stocks	⁽⁵⁾ 0,00	⁽⁵⁾ -924,00												
B. Forest and Grassland Conversion	0,00		0,00	0,00							0,00	0,00	9,31	
C. Abandonment of Managed Lands	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00												
D. CO ₂ Emissions and Removals from Soil	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00												
E. Other	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00	0,00	0,00							0,00	0,00		
6. Waste	0,00		64,70	0,00							0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	⁽⁶⁾ 0,00		64,70									0,00	0,00	
B. Wastewater Handling			0,00	0,00							0,00	0,00	0,00	
C. Waste Incineration	⁽⁶⁾ 0,00		0,00	0,00							0,00	0,00	0,00	0,00
D. Other	0,00		0,00	0,00							0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽⁴⁾ According to the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.2, 4.87), CO₂ emissions from agricultural soils are to be included under Land-Use Change and Forestry (LUCF). At the same time, the Summary Report 7A (Volume 1. Reporting Instructions, Tables.27) allows for reporting CO₂ emissions or removals from agricultural soils, either in the Agriculture sector, under D. Agricultural Soils or in the Land-Use Change and Forestry sector under D. Emissions and Removals from Soil. Parties may choose either way to report emissions or removals from this source in the common reporting format, but the way they have chosen to report should be clearly indicated, by inserting explanatory comments to the corresponding cells of Summary 1.A and Summary 1.B. Double-counting of these emissions or removals should be avoided. Parties should include these emissions or removals consistently in Table8(a) (Recalculation - Recalculated data) and Table10 (Emission trends).

⁽⁵⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽⁶⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biogenic or inorganic waste streams.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs		PFCs		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)					(Gg)			
Memo Items: ⁽⁷⁾														
International Bunkers	5,993,80		0,13	0,34							124,78	11,85	3,54	65,74
Aviation	1,681,35		0,04	0,07							6,81	1,81	0,38	0,11
Marine	4,312,45		0,10	0,27							117,98	10,04	3,16	65,64
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	5,098,44													

⁽⁷⁾ Memo Items are not included in the national totals.

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
	P	A	P	A	P	A	P	A	P	A				
Total National Emissions and Removals	59,985,09	-924,00	285,60	33,49	408,50	30,20	0,00	0,00	0,02	0,01	268,48	688,39	172,55	154,09
1. Energy	58,548,62		26,38	2,89							268,48	688,39	119,45	154,09
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	58,103,72	11,89	2,88							268,48	653,34	108,17	154,09
B. Fugitive Emissions from Fuels		444,90	14,49	0,01							0,00	35,05	11,29	0,00
2. Industrial Processes	1,310,99		0,00	0,00	408,50	30,20	0,00	0,00	0,02	0,01	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	125,49			0,00							0,00	0,00	42,76	0,00
4. Agriculture⁽³⁾	0,00	0,00	194,52	30,60							0,00	0,00	1,02	0,00
5. Land-Use Change and Forestry⁽⁴⁾	0,00⁽⁴⁾	-924,00⁽⁴⁾	0,00	0,00							0,00	0,00	9,31	0,00
6. Waste	0,00		64,70	0,00							0,00	0,00	0,00	0,00
7. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:														
International Bunkers	5,993,80		0,13	0,34							124,78	11,85	3,54	65,74
Aviation	1,681,35		0,04	0,07							6,81	1,81	0,38	0,11
Marine	4,312,45		0,10	0,27							117,98	10,04	3,16	65,64
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	5,098,44													

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in document box of Table 1.A(c). Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ See footnote 4 to Summary 1.A.

⁽⁴⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

SUMMARY 2 SUMMARY REPORT FOR CO₂ EQUIVALENT EMISSIONS
(Sheet 1 of 1)

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	Total
	CO ₂ equivalent (Gg)						
Total (Net Emissions)⁽¹⁾	59,061,09	5,997,64	10,381,43	30,20	0,00	135,01	75,605,37
1. Energy	58,548,62	554,04	896,41				59,999,08
A. Fuel Combustion (Sectoral Approach)	58,103,72	249,71	893,99				59,247,42
1. Energy Industries	31,267,86	26,38	323,68				31,617,92
2. Manufacturing Industries and Construction	6,415,55	16,15	124,28				6,555,97
3. Transport	11,192,37	63,37	231,92				11,487,65
4. Other Sectors	8,990,82	143,57	211,32				9,345,71
5. Other	237,13	0,25	2,79				240,16
B. Fugitive Emissions from Fuels	444,90	304,33	2,42				751,66
1. Solid Fuels	0,00	99,44	0,00				99,44
2. Oil and Natural Gas	444,90	204,89	2,42				652,22
2. Industrial Processes	1,310,99	0,00	0,00	30,20	0,00	135,01	1,476,20
A. Mineral Products	1,310,99	0,00	0,00				1,310,99
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00		0,00	47,85	47,85
D. Other Production	0,00						0,00
E. Production of Halocarbons and SF ₆				0,00	0,00	0,00	0,00
F. Consumption of Halocarbons and SF ₆				30,20	0,00	87,16	117,36
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	125,49		0,00				125,49
4. Agriculture	0,00	4,084,89	9,485,02				13,569,91
A. Enteric Fermentation		3,109,20					3,109,20
B. Manure Management		975,70	496,29				1,471,99
C. Rice Cultivation		0,00					0,00
D. Agricultural Soils ⁽²⁾		0,00	8,988,72				8,988,72
E. Prescribed Burning of Savannas		0,00	0,00				0,00
F. Field Burning of Agricultural Residues		0,00	0,00				0,00
G. Other		0,00	0,00				0,00
5. Land-Use Change and Forestry⁽¹⁾	-924,00	0,00	0,00				-924,00
6. Waste	0,00	1,358,70	0,00				1,358,70
A. Solid Waste Disposal on Land	0,00	1,358,70					1,358,70
B. Wastewater Handling		0,00	0,00				0,00
C. Waste Incineration	0,00	0,00	0,00				0,00
D. Other	0,00	0,00	0,00				0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:							
International Bunkers	5,993,80	2,83	104,91				6,101,54
Aviation	1,681,35	0,78	20,83				1,702,97
Marine	4,312,45	2,05	84,07				4,398,58
Multilateral Operations	0,00	0,00	0,00				0,00
CO₂ Emissions from Biomass	5,098,44						5,098,44

⁽¹⁾ For CO₂ emissions from Land-Use Change and Forestry the net emissions are to be reported. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions / removals	CH ₄	N ₂ O	Total emissions
	CO ₂ equivalent (Gg)					
Land-Use Change and Forestry						
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-924,00	-924,00			-924,00
B. Forest and Grassland Conversion	0,00		0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00			0,00
D. CO ₂ Emissions and Removals from Soil	0,00	0,00	0,00			0,00
E. Other	0,00	0,00	0,00	0,00	0,00	0,00
Total CO₂ Equivalent Emissions from Land-Use Change and Forestry	0,00	-924,00	-924,00	0,00	0,00	-924,00

Total CO₂ Equivalent Emissions without Land-Use Change and Forestry^(a) 76.529,37

Total CO₂ Equivalent Emissions with Land-Use Change and Forestry^(a) 75.605,37

^(a) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 1 of 2)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
1. Energy												
A. Fuel Combustion												
1. Energy Industries												
2. Manufacturing Industries and Construction												
3. Transport												
4. Other Sectors												
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
2. Oil and Natural Gas												
2. Industrial Processes												
A. Mineral Products												
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF ₆												
F. Consumption of Halocarbons and SF ₆												
G. Other												

⁽¹⁾ Use the following notation keys to specify the method applied: D (IPCC default), RA (Reference Approach), T1 (IPCC Tier 1), T1a, T1b, T1c (IPCC Tier 1a, Tier 1b and Tier 1c, respectively), T2 (IPCC Tier 2), T3 (IPCC Tier 3), C (CORINAIR), CS (Country Specific), M (Model). If using more than one method, enumerate the relevant methods. Explanations of any modifications to the default IPCC methods, as well as information on the proper use of methods per source category where more than one method is indicated, and explanations on the country specific methods, should be provided in the documentation box of the relevant Sectoral background data table.

⁽²⁾ Use the following notation keys to specify the emission factor used: D (IPCC default), C (CORINAIR), CS (Country Specific), PS (Plant Specific), M (Model). Where a mix of emission factors has been used, use different notations in one and the same cells with further explanation in the documentation box of the relevant Sectoral background data table.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 2 of 2)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation												
B. Manure Management												
C. Rice Cultivation												
D. Agricultural Soils												
E. Prescribed Burning of Savannas												
F. Field Burning of Agricultural Residues												
G. Other												
5. Land-Use Change and Forestry												
A. Changes in Forest and Other Woody Biomass Stocks												
B. Forest and Grassland Conversion												
C. Abandonment of Managed Lands												
D. CO ₂ Emissions and Removals from Soil												
E. Other												
6. Waste												
A. Solid Waste Disposal on Land												
B. Wastewater Handling												
C. Waste Incineration												
D. Other												
7. Other (please specify) <input type="checkbox"/>												

TABLE 7 OVERVIEW TABLE⁽¹⁾ FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 1 of 3)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
Total National Emissions and Removals																					
1 Energy																					
A. Fuel Combustion Activities																					
Reference Approach																					
Sectoral Approach																					
1. Energy Industries																					
2. Manufacturing Industries and Construction																					
3. Transport																					
4. Other Sectors																					
5. Other																					
B. Fugitive Emissions from Fuels																					
1. Solid Fuels																					
2. Oil and Natural Gas																					
2 Industrial Processes																					
A. Mineral Products																					
B. Chemical Industry																					
C. Metal Production																					
D. Other Production																					
E. Production of Halocarbons and SF ₆																					

⁽¹⁾ This table is intended to be used by Parties to summarize their own assessment of completeness (e.g. partial, full estimate, not estimated) and quality (high, medium, low) of major source/sink inventory estimates. The latter could be understood as a quality assessment of the uncertainty of the estimates. This table might change once the IPCC completes its work on managing uncertainties of GHG inventories. The title of the table was kept for consistency with the current table in the IPCC Guidelines.

Note: To fill in the table use the notation key as given in the IPCC Guidelines (Volume 1. Reporting Instructions, Tables. 37).

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 2 of 3)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
2 Industrial Processes (continued)																					
F. Consumption of Halocarbons and SF ₆																					
Potential ⁽²⁾																					
Actual ⁽³⁾																					
G. Other																					
3 Solvent and Other Product Use																					
4 Agriculture																					
A. Enteric Fermentation																					
B. Manure Management																					
C. Rice Cultivation																					
D. Agricultural Soils																					
E. Prescribed Burning of Savannas																					
F. Field Burning of Agricultural Residues																					
G. Other																					
5 Land-Use Change and Forestry																					
A. Changes in Forest and Other Woody Biomass Stocks																					
B. Forest and Grassland Conversion																					

⁽²⁾ Potential emissions based on Tier 1 approach of the IPCC Guidelines.

⁽³⁾ Actual emissions based on Tier 2 approach of the IPCC Guidelines.

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
 (Sheet 3 of 3)

Denmark
 1993
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
5 Land-Use Change and Forestry (continued)																					
C. Abandonment of Managed Lands																					
D. CO ₂ Emissions and Removals from Soil																					
E. Other																					
6 Waste																					
A. Solid Waste Disposal on Land																					
B. Wastewater Handling																					
C. Waste Incineration																					
D. Other																					
7 Other (please specify)																					
Memo Items:																					
International Bunkers																					
Aviation																					
Marine																					
Multilateral Operations																					
CO ₂ Emissions from Biomass																					

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated
(Sheet 1 of 2)

year:

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO2			CH4			N2O		
		Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
		CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
Total National Emissions and Removals		59,001,11	59,061,09	0,10	5,992,56	5,997,64	0,08	10,199,00	10,381,43	1,79
1. Energy		58,483,85	58,548,62	0,11	548,94	554,04	0,93	713,00	896,41	25,72
1.A.	Fuel Combustion Activities	58,038,95	58,103,72	0,11	245,49	249,71	1,72	709,90	893,99	25,93
1.A.1.	Energy Industries	31,267,86	31,267,86	0,00	26,46	26,38	-0,30	322,40	323,68	0,40
1.A.2.	Manufacturing Industries and Construction	6,167,59	6,415,55	4,02	13,86	16,15	16,53	55,80	124,28	122,72
1.A.3.	Transport	11,627,84	11,192,37	-3,75	62,58	63,37	1,26	235,60	231,92	-1,56
1.A.4.	Other Sectors	8,738,48	8,990,82	2,89	142,38	143,57	0,84	93,00	211,32	127,23
1.A.5.	Other	237,18	237,13	-0,02	0,21	0,25	16,74	3,10	2,79	-10,05
1.B.	Fugitive Emissions from Fuels	444,90	444,90	0,00	303,45	304,33	0,29	3,10	2,42	-21,81
1.B.1.	Solid fuel	0,00	0,00	0,00	99,54	99,44	-0,10	0,00	0,00	0,00
1.B.2.	Oil and Natural Gas	444,90	444,90	0,00	203,91	204,89	0,48	3,10	2,42	-21,81
2. Industrial Processes		1,310,99	1,310,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.A.	Mineral Products	1,310,99	1,310,99	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.B.	Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.C.	Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.D.	Other Production	0,00	0,00	0,00						
2.G.	Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use		133,27	125,49	-5,84				0,00	0,00	0,00
4. Agriculture		0,00	0,00	0,00	4,084,92	4,084,89	0,00	9,486,00	9,485,02	-0,01
4.A.	Enteric Fermentation				3,109,26	3,109,20	0,00			
4.B.	Manure Management				975,66	975,70	0,00	496,00	496,29	0,06
4.C.	Rice Cultivation				0,00	0,00	0,00			
4.D.	Agricultural Soils (2)			0,00	0,00	0,00	0,00	8,990,00	8,988,72	-0,01
4.E.	Prescribed Burning of Savannas				0,00	0,00	0,00	0,00	0,00	0,00
4.F.	Field Burning of Agricultural Residues				0,00	0,00	0,00	0,00	0,00	0,00
4.G.	Other				0,00	0,00	0,00	0,00	0,00	0,00
5. Land-Use Change and Forestry (net)		-927,00	-924,00	-0,32	0,00	0,00	0,00	0,00	0,00	0,00
5.A.	Changes in Forest and Other Woody Biomass Stocks	-927,00	-924,00	-0,32						
5.B.	Forest and Grassland Conversion			0,00			0,00			0,00
5.C.	Abandonment of Managed Lands			0,00						
5.D.	CO2 Emissions and Removals from Soil			0,00						
5.E.	Other			0,00			0,00			0,00

⁽¹⁾ Estimate the percentage change due to recalculation with respect to the previous submission (Percentage change = 100% x [(LS-PS)/PS], where LS = Latest submission and PS = Previous submission. All cases of recalculation of the estimate of the source/sink category, should be addressed and explained in Table 8(b) of this common reporting format.

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated
(Sheet 2 of 2)

year: 2001

Denmark
1993
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO2			CH4			N2O		
	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
6. Waste	0,00	0,00	0,00	1.358,70	1.358,70	0,00	0,00	0,00	0,00
6.A. Solid Waste Disposal on Land	0,00	0,00	0,00	1.358,70	1.358,70	0,00			
6.B. Wastewater Handling				0,00	0,00	0,00	0,00	0,00	0,00
6.C. Waste Incineration	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
6.D. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00			0,00			0,00
Memo Items:									
International Bunkers	6.040,74	5.993,80	-0,78	3,57	2,83	-20,72	99,20	104,91	5,75
Multilateral Operations	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
CO2 Emissions from Biomass	4.996,74	5.098,44	2,04						

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFCs			PFCs			SF6		
	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
Total Actual Emissions	95,93	30,20	-68,52	0,00	0,00	0,00	132,88	135,01	1,60
2.C.3. Aluminium Production				0,00	0,00	0,00	35,85	47,85	33,47
2.E. Production of Halocarbons and SF6	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.F. Consumption of Halocarbons and SF6	95,93	30,20	-68,52	0,00	0,00	0,00	97,03	87,16	-10,17
Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential Emissions from Consumption of HFCs/PFCs and SF6		408,50		0,00	0,00		406,30	370,45	
				Previous submission	Latest submission	Difference(1)			
				CO2 equivalent (Gg)		(%)			
Total CO2 Equivalent Emissions with Land-Use Change and Forestry (3)				75.421,27	75.605,37	0,24			
Total CO2 Equivalent Emissions without Land-Use Change and Forestry (3)				76.348,27	76.529,37	0,24			

⁽³⁾ The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Denmark
 1993
 April 11, 2001

Specify the sector and source/sink category ⁽¹⁾ where changes in estimates have occurred:	GHG	RECALCULATION DUE TO			
		CHANGES IN:			Addition/removal/ replacement of source/sink categories
		Methods ⁽²⁾	Emission factors ⁽²⁾	Activity data ⁽²⁾	

⁽¹⁾ Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table (see Table 8(a)).

⁽²⁾ Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in Table 8(a). Include relevant changes in the assumptions and coefficients under the "Methods" column.

Documentation box: Use the documentation box to report the justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory.

TABLE 9 COMPLETENESS
(Sheet 1 of 2)

Denmark
1993
April 11, 2001

Sources and sinks not reported (NE) ⁽¹⁾				
GHG	Sector ⁽²⁾	Source/sink category ⁽²⁾	Explanation	
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				
Sources and sinks reported elsewhere (IE) ⁽³⁾				
GHG	Source/sink category	Allocation as per IPCC Guidelines	Allocation used by the Party	Explanation
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				


⁽¹⁾ Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.

⁽²⁾ Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).

⁽³⁾ Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.

TABLE 9 COMPLETENESS
(Sheet 2 of 2)

Denmark
 1993
 April 11, 2001

Additional GHG emissions reported ⁽⁴⁾						
GHG 	Source category	Emissions (Gg)	Estimated GWP value (100-year horizon)	Emissions CO ₂ equivalent (Gg)	Reference to the data source of GWP value	Explanation

⁽⁴⁾ Parties are encouraged to provide information on emissions of greenhouse gases whose GWP values have not yet been agreed upon by the COP. Please include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

TABLE 11 CHECK LIST OF REPORTED INVENTORY INFORMATION ⁽¹⁾									
Party: Denmark			Year: 1993						
Contact info:	Focal point for national GHG inventories:	Jytte Boll Illerup, National Environmental Research Institute							
	Address:	P.O. Box 358, Department of Policy Analysis, DK-4000 Roskilde							
	Telephone:	0045 46301289	Fax:	0045 46301212	E-mail:	jbi@dmu.dk			
	Main institution preparing the inventory:	National Environmental Research Institute, Ministry of Environment and Energy							
General info:	Date of submission:	11-apr-01							
	Base years:	1990	PFCs, HFCs, SF6:	1995					
	Year covered in the submission:	1990-1999							
	Gases covered:	CO2, CH4, N2O, NOx, CO, NMVOC, SO2, HFCs, PFCs, SF6							
Omissions in geographic coverage:	Denmark								
Tables:	Sectoral report tables:	<input checked="" type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	Sectoral background data tables:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Summary 1 (IPCC Summary tables):		IPCC Table 7A:		<input checked="" type="checkbox"/>	IPCC Table 7B:		<input checked="" type="checkbox"/>	
	Summary 2 (CO ₂ equivalent emissions):				<input checked="" type="checkbox"/>				
	Summary 3 (Methods/Emission factors):				<input checked="" type="checkbox"/>				
	Uncertainty:		IPCC Table 8A:		<input checked="" type="checkbox"/>	National information:		<input checked="" type="checkbox"/>	
	Recalculation tables:				<input checked="" type="checkbox"/>				
	Completeness table:				<input checked="" type="checkbox"/>				
Trend table:				<input checked="" type="checkbox"/>					
CO ₂	Comparison of CO ₂ from fuel combustion:	<input type="checkbox"/>	Worksheet 1-1	Percentage of difference	-100,00			Explanation of differences	<input type="checkbox"/>
Recalculation:	CO ₂	<input type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	CH ₄	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	N ₂ O	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	HFCs, PFCs, SF ₆	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Explanations:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Recalculation tables for all recalculated years:				<input type="checkbox"/>				
Full CRF for the recalculated base year:				<input type="checkbox"/>					
HFCs, PFCs, SF ₆ :	Disaggregation by species:	<input checked="" type="checkbox"/>	HFCs	PFCs	SF6				
	Production of Halocarbons/SF ₆ :	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
	Consumption of Halocarbons/SF ₆ :		Actual	Potential	Actual	Potential	Actual	Potential	
	Potential/Actual emission ratio:	<input type="checkbox"/>	0,00	<input type="checkbox"/>	0,00	<input type="checkbox"/>	<input type="checkbox"/>	0,00	
Reference to National Inventory Report and/or national inventory web site:	http://www.dmu.dk/1_english/1_viden/2_Miljoe-tilstand/3_lufv/4_adaei/default.asp								

CRF - Common Reporting Format.
LUCF - Land-Use Change and Forestry.

⁽¹⁾ For each omission, give an explanation for the reasons by inserting a comment to the corresponding cell.

Appendix 1.1

Annual emission inventories 1992

CRF tables for Denmark

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 1 of 2)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Energy	56.893,20	25,80	2,76	267,91	699,77	121,69	188,37
A. Fuel Combustion Activities (Sectoral Approach)	56.382,42	11,91	2,76	267,91	658,90	110,48	188,37
1. Energy Industries	29.777,85	1,24	0,99	93,01	9,02	1,36	143,69
a. Public Electricity and Heat Production	28.180,18	0,99	0,96	88,20	8,52	1,19	136,30
b. Petroleum Refining	1.597,68	0,25	0,03	4,81	0,50	0,17	7,39
c. Manufacture of Solid Fuels and Other Energy Industries	0,00	0,00	0,00				
2. Manufacturing Industries and Construction	6.466,89	0,75	0,40	22,47	14,33	4,15	22,40
a. Iron and Steel	0,00	0,00	0,00				
b. Non-Ferrous Metals	0,00	0,00	0,00				
c. Chemicals	0,00	0,00	0,00				
d. Pulp, Paper and Print	0,00	0,00	0,00				
e. Food Processing, Beverages and Tobacco	0,00	0,00	0,00				
f. Other (please specify) <input type="checkbox"/>	6.466,89	0,75	0,40	22,47	14,33	4,15	22,40
Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.							
				22,47	14,33	4,15	22,40
3. Transport	10.992,74	2,91	0,65	112,06	480,49	87,32	8,94
a. Civil Aviation	167,72	0,01	0,01	0,81	0,97	0,16	0,01
b. Road Transportation	9.927,34	2,82	0,59	98,44	469,83	81,95	3,99
c. Railways	320,28	0,02	0,01	2,99	0,53	0,20	0,26
d. Navigation	577,40	0,06	0,04	9,82	9,16	5,01	4,67
e. Other Transportation (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 2 of 2)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
4. Other Sectors	9,004,15	7,01	0,70	39,47	154,50	17,53	13,27
a. Commercial/Institutional	1,403,87	0,26	0,03	1,17	3,79	0,28	1,34
b. Residential	5,199,61	6,52	0,17	5,08	129,89	12,60	6,73
c. Agriculture/Forestry/Fisheries	2,400,66	0,23	0,49	33,22	20,82	4,65	5,20
5. Other (please specify) ⁽¹⁾	140,79	0,01	0,01	0,89	0,55	0,12	0,06
a. Stationary	0,00	0,00	0,00	0,00	0,00	0,00	0,00
b. Mobile	140,79	0,01	0,01	0,89	0,55	0,12	0,06
Emissions from military combustion of fuels.							
	140,79	0,01	0,01	0,89	0,55	0,12	0,06
B. Fugitive Emissions from Fuels	510,78	13,89	0,01	0,00	40,87	11,21	0,00
1. Solid Fuels	0,00	3,94	0,00	0,00	40,87	0,00	0,00
a. Coal Mining	0,00	0,00					
b. Solid Fuel Transformation	0,00	0,00					
c. Other (please specify)	0,00	3,94	0,00	0,00	40,87	0,00	0,00
Storage of solid fuel.							
					40,87		
2. Oil and Natural Gas	510,78	9,94	0,01	0,00	0,00	11,21	0,00
a. Oil	0,00	0,04				7,11	
b. Natural Gas	0,00	8,45				3,31	
c. Venting and Flaring	510,78	1,45	0,01	0,00	0,00	0,78	0,00
Venting	0,00	0,00				0,78	
Flaring	510,78	1,45	0,01				
d. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items: ⁽²⁾							
International Bunkers	4,614,20	0,10	0,25	86,26	8,56	2,51	37,74
Aviation	1,718,79	0,04	0,07	6,97	1,81	0,39	0,11
Marine	2,895,41	0,07	0,18	79,29	6,74	2,12	37,63
Multilateral Operations	0,00	0,00	0,00				
CO₂ Emissions from Biomass	4,959,19						

⁽¹⁾ Include military fuel use under this category.

⁽²⁾ Please do not include in energy totals.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 1 of 4)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A. Fuel Combustion	763,000.84	NCV				56,382.42	11.91	2.76
Liquid Fuels	330,687.94	NCV	71.55	11.68	4.88	23,660.03	3.86	1.61
Solid Fuels	288,263.80	NCV	95.00	2.60	3.00	27,385.06	0.75	0.86
Gaseous Fuels	93,288.30	NCV	56.88	5.79	1.00	5,305.86	0.54	0.09
Biomass	50,328.40	NCV	98.54	133.41	3.63 ⁽³⁾	4,959.19	6.71	0.18
Other Fuels	432.40	NCV	72.77	105.73	0.50	31.47	0.05	0.00
I.A.1. Energy Industries	373,660.00	NCV				29,777.85	1.24	0.99
Liquid Fuels	46,900.00	NCV	51.45	2.10	0.99	2,412.98	0.10	0.05
Solid Fuels	270,340.00	NCV	95.00	1.78	3.00	25,682.30	0.48	0.81
Gaseous Fuels	29,580.00	NCV	56.88	8.58	1.00	1,682.57	0.25	0.03
Biomass	26,840.00	NCV	97.31	15.22	4.00 ⁽³⁾	2,611.76	0.41	0.11
Other Fuels	0.00	NCV	0.00	0.00	0.00	0.00	0.00	0.00
a. Public Electricity and Heat Production	346,920.00	NCV				28,180.18	0.99	0.96
Liquid Fuels	30,440.00	NCV	46.00	1.18	0.86	1,400.24	0.04	0.03
Solid Fuels	270,340.00	NCV	95.00	1.78	3.00	25,682.30	0.48	0.81
Gaseous Fuels	19,300.00	NCV	56.87	3.32	1.00	1,097.64	0.06	0.02
Biomass	26,840.00	NCV	97.31	15.22	4.00 ⁽³⁾	2,611.76	0.41	0.11
Other Fuels	0.00	NCV	0.00	0.00	0.00	0.00	0.00	0.00
b. Petroleum Refining	26,740.00	NCV				1,597.68	0.25	0.03
Liquid Fuels	16,460.00	NCV	61.53	3.78	1.22	1,012.75	0.06	0.02
Solid Fuels	0.00	NCV	0.00	0.00	0.00			
Gaseous Fuels	10,280.00	NCV	56.90	18.45	1.00	584.93	0.19	0.01
Biomass	0.00	NCV	0.00	0.00	0.00 ⁽³⁾			
Other Fuels	0.00	NCV	0.00	0.00	0.00			
c. Manufacture of Solid Fuels and Other Energy Industries	0.00	NCV				0.00	0.00	0.00
Liquid Fuels	0.00	NCV	0.00	0.00	0.00			
Solid Fuels	0.00	NCV	0.00	0.00	0.00			
Gaseous Fuels	0.00	NCV	0.00	0.00	0.00			
Biomass	0.00	NCV	0.00	0.00	0.00 ⁽³⁾			
Other Fuels	0.00	NCV	0.00	0.00	0.00			

⁽¹⁾

⁽²⁾ Accurate estimation of CH₄ and N₂O emissions depends on combustion conditions, technology, and emission control policy, as well as fuel characteristics. Therefore, caution should be used when comparing the implied emission factors.

⁽³⁾ Carbon dioxide emissions from biomass are reported under Memo Items. The content of the cells is not included in the totals.

Note: For the coverage of fuel categories, please refer to the IPCC Guidelines (Volume 1. Reporting Instructions - Common Reporting Framework, section 1.2, p. 1.19). If some derived gases (e.g. gas work gas, coke oven gas, blast gas, oxygen steel furnace gas, etc.) are considered, Parties should provide information on the allocation of these derived gases under the above fuel categories (liquid, solid, gaseous, biomass, other fuels) in the documentation box at the end of sheet 4 of this table.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 2 of 4)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.2 Manufacturing Industries and Construction	93,982,46	NCV				6,466,89	0,75	0,40
Liquid Fuels	44,146,06	NCV	77,27	5,63	7,02	3,411,25	0,25	0,31
Solid Fuels	14,557,80	NCV	95,00	15,00	3,00	1,382,99	0,22	0,04
Gaseous Fuels	29,396,20	NCV	56,90	4,00	1,00	1,672,64	0,12	0,03
Biomass	5,882,40	NCV	95,97	28,25	3,60 ⁽³⁾	564,51	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Iron and Steel	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Non-Ferrous Metals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Chemicals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
d. Pulp, Paper and Print	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
e. Food Processing, Beverages and Tobacco	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
f. Other (please specify)	93,982,46	NCV				6,466,89	0,75	0,40
Liquid Fuels	44,146,06	NCV	77,27	5,63	7,02	3,411,25	0,25	0,31
Solid Fuels	14,557,80	NCV	95,00	15,00	3,00	1,382,99	0,22	0,04
Gaseous Fuels	29,396,20	NCV	56,90	4,00	1,00	1,672,64	0,12	0,03
Biomass	5,882,40	NCV	95,97	28,25	3,60 ⁽³⁾	564,51	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 3 of 4)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.3 Transport	149,451,20	NCV				10,992,74	2,91	0,65
Gasoline	77,534,75	NCV	72,97	32,02	4,72	5,657,81	2,48	0,37
Diesel	71,484,05	NCV	74,19	5,30	4,03	5,303,46	0,38	0,29
Natural Gas	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾	0,00	0,00	0,00
Other Fuels	432,40	NCV	72,77	105,73	0,50	31,47	0,05	0,00
a. Civil Aviation	2,328,03	NCV				167,72	0,01	0,01
Aviation Gasoline	102,03	NCV	73,00	21,90	2,00	7,45	0,00	0,00
Jet Kerosene	2,226,00	NCV	72,00	1,70	3,81	160,27	0,00	0,01
b. Road Transportation	135,171,10	NCV				9,927,34	2,82	0,59
Gasoline	75,206,72	NCV	73,00	32,93	4,75	5,490,09	2,48	0,36
Diesel Oil	59,952,12	NCV	74,00	5,75	3,96	4,436,46	0,34	0,24
Natural Gas	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels (please specify)	12,27	NCV				0,80	0,00	0,00
LPG		NCV	0,00	0,00	0,00			
	12,27	NCV	65,00	24,61	0,00	0,80	0,00	0,00
c. Railways	4,328,29	NCV				320,28	0,02	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Liquid Fuels	4,328,29	NCV	74,00	4,85	2,05	320,28	0,02	0,01
Other Fuels (please specify)	0,00	NCV				0,00	0,00	0,00
	0,00	NCV	0,00	0,00	0,00			
d. Navigation	7,623,77	NCV				577,40	0,06	0,04
Coal	0,00	NCV	0,00	0,00	0,00			
Residual Oil	3,415,25	NCV	78,00	1,76	4,89	266,39	0,01	0,02
Gas/Diesel Oil	3,788,39	NCV	74,00	1,89	6,63	280,34	0,01	0,03
Other Fuels (please specify)	420,13	NCV				30,67	0,05	0,00
Kerosene, Gasoline, LPG		NCV	0,00	0,00	0,00			
	420,13	NCV	73,00	108,10	0,52	30,67	0,05	0,00
e. Other Transportation	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 4 of 4)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.4 Other Sectors	145,907,18	NCV				9,004,15	7,01	0,70
Liquid Fuels	90,623,08	NCV	74,30	7,14	6,60	6,733,73	0,65	0,60
Solid Fuels	3,366,00	NCV	95,00	15,00	3,00	319,77	0,05	0,01
Gaseous Fuels	34,312,10	NCV	56,85	4,93	1,00	1,950,64	0,17	0,03
Biomass	17,606,00	NCV	101,27	348,72	3,09 ⁽³⁾	1,782,91	6,14	0,05
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Commercial/Institutional	21,924,00	NCV				1,403,87	0,26	0,03
Liquid Fuels	10,736,00	NCV	74,35	6,69	2,00	798,19	0,07	0,02
Solid Fuels	100,00	NCV	95,00	15,00	3,00	9,50	0,00	0,00
Gaseous Fuels	10,487,00	NCV	56,85	5,00	1,00	596,19	0,05	0,01
Biomass	601,00	NCV	80,99	215,97	2,07 ⁽³⁾	48,67	0,13	0,00
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Residential	89,699,72	NCV				5,199,61	6,52	0,17
Liquid Fuels	52,391,02	NCV	74,15	8,80	1,99	3,884,79	0,46	0,10
Solid Fuels	1,010,00	NCV	95,00	15,00	3,00	95,95	0,02	0,00
Gaseous Fuels	21,440,10	NCV	56,85	5,00	1,00	1,218,87	0,11	0,02
Biomass	14,858,60	NCV	101,98	399,84	3,00 ⁽³⁾	1,515,31	5,94	0,04
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Agriculture/Forestry/Fisheries	34,283,45	NCV				2,400,66	0,23	0,49
Liquid Fuels	27,496,05	NCV	74,58	4,16	17,17	2,050,76	0,11	0,47
Solid Fuels	2,256,00	NCV	95,00	15,00	3,00	214,32	0,03	0,01
Gaseous Fuels	2,385,00	NCV	56,85	4,00	1,00	135,59	0,01	0,00
Biomass	2,146,40	NCV	102,00	32,00	4,00 ⁽³⁾	218,93	0,07	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00			
I.A.5 Other (Not elsewhere specified)⁽⁴⁾	0,00	NCV				140,79	0,01	0,01
Liquid Fuels	0,00	NCV	0,00	0,00	0,00	140,79	0,01	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

⁽⁴⁾ Include military fuel use under this category.

Documentation Box:

I.A.2f note: Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.

TABLE 1.A(b) SECTORAL BACKGROUND DATA FOR ENERGY
CO₂ from Fuel Combustion Activities - Reference Approach (IPCC Worksheet 1-1)
(Sheet 1 of 1)

Denmark
1992
April 11, 2001

FUEL TYPES			Unit	Production	Imports	Exports	International bunkers	Stock change	Apparent consumption	Conversion factor ⁽¹⁾ (TJ/Unit)	⁽¹⁾	Apparent consumption (TJ)	Carbon emission factor (t C/TJ)	Carbon content (Gg C)	Carbon stored (Gg C)	Net carbon emissions (Gg C)	Fraction of carbon oxidized	Actual CO ₂ emissions (Gg CO ₂)	
Liquid Fossil	Primary Fuels	Crude Oil							0,00		NCV	0,00		0,00		0,00		0,00	
		Orimulsion							0,00		NCV	0,00		0,00		0,00		0,00	
		Natural Gas Liquids							0,00		NCV	0,00		0,00		0,00		0,00	
	Secondary Fuels	Gasoline								0,00		NCV	0,00		0,00		0,00		0,00
		Jet Kerosene								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Other Kerosene								0,00		NCV	0,00		0,00		0,00		0,00
		Shale Oil								0,00		NCV	0,00		0,00		0,00		0,00
		Gas / Diesel Oil								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Residual Fuel Oil								0,00		NCV	0,00		0,00		0,00		0,00
		LPG								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Ethane								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Naphtha								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Bitumen								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Lubricants								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Petroleum Coke								0,00		NCV	0,00		0,00		0,00		0,00
		Refinery Feedstocks								0,00		NCV	0,00		0,00		0,00		0,00
		Other Oil								0,00		NCV	0,00		0,00		0,00		0,00
Liquid Fossil Totals												0,00		0,00	0,00	0,00		0,00	
Solid Fossil	Primary Fuels	Anthracite ⁽²⁾							0,00		NCV	0,00		0,00		0,00		0,00	
		Coking Coal							0,00		NCV	0,00		0,00	0,00	0,00		0,00	
		Other Bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Sub-bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Lignite							0,00		NCV	0,00		0,00		0,00		0,00	
		Oil Shale							0,00		NCV	0,00		0,00		0,00		0,00	
	Peat							0,00		NCV	0,00		0,00		0,00		0,00		
	Secondary Fuels	BKB & Patent Fuel							0,00		NCV	0,00		0,00		0,00		0,00	
		Coke Oven/Gas Coke							0,00		NCV	0,00		0,00		0,00		0,00	
	Solid Fuel Totals												0,00		0,00	0,00	0,00		0,00
Gaseous Fossil	Natural Gas (Dry)							0,00		NCV	0,00		0,00	0,00	0,00	0,00		0,00	
Total												0,00		0,00	0,00	0,00		0,00	
Biomass total												0,00		0,00	0,00	0,00		0,00	
	Solid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Liquid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Gas Biomass								0,00		NCV	0,00		0,00		0,00		0,00	

⁽¹⁾ To convert quantities expressed in natural units to energy units, use net calorific values (NCV). If gross calorific values (GCV) are used in this table, please indicate this by replacing "NCV" with "GCV" in this column.

⁽²⁾ If Anthracite is not separately available, include with Other Bituminous Coal.

TABLE 1.A(c) COMPARISON OF CO₂ EMISSIONS FROM FUEL COMBUSTION
(Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

FUEL TYPES	Reference approach		National approach ⁽¹⁾		Difference ⁽²⁾	
	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (%)	CO ₂ emissions (%)
Liquid Fuels (excluding international bunkers)	0,00	0,00	330,69	23.660,03	-100,00	-100,00
Solid Fuels (excluding international bunkers)	0,00	0,00	288,26	27.385,06	-100,00	-100,00
Gaseous Fuels	0,00	0,00	93,29	5.305,86	-100,00	-100,00
Other ⁽³⁾			0,43	31,47	-100,00	-100,00
<i>Total</i> ⁽³⁾	0,00	0,00	712,67	56.382,42	-100,00	-100,00

⁽¹⁾ "National approach" is used to indicate the approach (if different from the Reference approach) followed by the Party to estimate its CO₂ emissions from fuel combustion reported in the national GHG inventory.

⁽²⁾ Difference of the Reference approach over the National approach (i.e. difference = 100% x ((RA-NA)/NA), where NA = National approach and RA = Reference approach).

⁽³⁾ Emissions from biomass are not included.

Note: In addition to estimating CO₂ emissions from fuel combustion by sector, Parties should also estimate these emissions using the IPCC Reference approach, as found in the IPCC Guidelines, Worksheet 1-1(Volume 2. Workbook). The Reference approach is to assist in verifying the sectoral data. Parties should also complete the above tables to compare the alternative estimates, and if the emission estimates lie more than 2 percent apart, should explain the source of this difference in the documentation box provided.

Documentation Box:

TABLE 1.A(d) SECTORAL BACKGROUND DATA FOR ENERGY
Feedstocks and Non-Energy Use of Fuels
(Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

FUEL TYPE ⁽¹⁾	ACTIVITY DATA AND RELATED INFORMATION		IMPLIED EMISSION FACTOR	ESTIMATE
	Fuel quantity (TJ)	Fraction of carbon stored	Carbon emission factor (t C/TJ)	of carbon stored in non energy use of fuels (Gg C)
Naphtha ⁽²⁾			0,00	
Lubricants			0,00	
Bitumen			0,00	
Coal Oils and Tars (from Coking Coal)			0,00	
Natural Gas ⁽²⁾			0,00	
Gas/Diesel Oil ⁽²⁾			0,00	
LPG ⁽²⁾			0,00	
Butane ⁽²⁾			0,00	
Ethane ⁽²⁾			0,00	
Other (please specify) <input type="text"/>				
			0,00	

Additional information ^(a)

CO ₂ not emitted (Gg CO ₂)	Subtracted from energy sector (specify source category)
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	

⁽¹⁾ Where fuels are used in different industries, please enter in different rows.
⁽²⁾ Enter these fuels when they are used as feedstocks.

^(a) The fuel lines continue from the table to the left.

Note: The table is consistent with the IPCC Guidelines. Parties that take into account the emissions associated with the use and disposal of these feedstocks could continue to use their methodology, and provide explanation notes in the documentation box below.

Documentation box: A fraction of energy carriers is stored in such products as plastics or asphalt. The non-stored fraction of the carbon in the energy carrier or product is oxidized, resulting in carbon dioxide emissions, either during the use of the energy carriers in the industrial production (e.g. fertilizer production), or during the use of the products (e.g. solvents, lubricants), or in both (e.g. monomers). To report associated emissions use the above table, filling an extra "Additional information" table, as shown below.	
Associated CO ₂ emissions (Gg)	Allocated under <input type="text"/> ^(a) e.g. Industrial Processes, Waste Incineration, etc. (Specify source category) ^(a)

TABLE 1.B.1 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Solid Fuels
(Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTOR		EMISSIONS	
	Amount of fuel produced ⁽¹⁾	CH ₄	CO ₂	CH ₄	CO ₂
	(Mt)	(kg/t)	(kg/t)	(Gg)	(Gg)
1. B. 1. a. Coal Mining and Handling	0,00			0,00	0,00
i. Underground Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
ii. Surface Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
1. B. 1. b. Solid Fuel Transformation	0,00	0,00	0,00		
1. B. 1. c. Other (please specify) ⁽³⁾ <input type="checkbox"/>				3,94	0,00
Storage of solid fuel.		0,00	0,00		
	12,06	0,33	0,00	3,94	

⁽¹⁾ Use the documentation box to specify whether the fuel amount is based on the run-of-mine (ROM) production or on the saleable production.

⁽²⁾ Emissions both for Mining Activities and Post-Mining Activities are calculated with the activity data in lines Underground Mines and Surface Mines respectively.

⁽³⁾ Please click on the button to enter any other solid fuel related activities resulting in fugitive emissions, such as emissions from abandoned mines and waste piles.

Note: There are no clear references to the coverage of 1.B.1.b. and 1.B.1.c. in the IPCC Guidelines. Make sure that the emissions entered here are not reported elsewhere. If they are reported under another source category, indicate this (IE) and make a reference in Table 9 (completeness) and/or in the documentation box.

Documentation box:

Additional information ^(a)

Description	Value
Amount of CH ₄ drained (recovered) and utilized or flared (Gg)	
Number of active underground mines	
Number of mines with drainage (recovery) systems	

^(a) For underground mines.

TABLE 1.B.2 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Oil and Natural Gas
(Sheet 1 of 1)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA			IMPLIED EMISSION FACTORS			EMISSIONS		
	Description ⁽¹⁾	Unit	Value	CO ₂ (kg/unit) ⁽²⁾	CH ₄ (kg/unit) ⁽²⁾	N ₂ O (kg/unit) ⁽²⁾	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
1. B. 2. a. Oil ⁽³⁾							0,00	0,04	
i. Exploration	(e.g. number of wells drilled)		0,00	0,00	0,00				
ii. Production ⁽⁴⁾	(e.g. PJ of oil produced)		0,00	0,00	0,00				
iii. Transport	(e.g. PJ oil loaded in tankers)		0,00	0,00	0,00				
iv. Refining / Storage	(e.g. PJ oil refined)	Mg	8.324.000	0,00	0,01			0,04	
v. Distribution of oil products	(e.g. PJ oil refined)	Mg product	1.820.381	0,00	0,00				
vi. Other		Mg Crude	0	0,00	0,00				
1. B. 2. b. Natural Gas							0,00	8,45	
Exploration				0,00	0,00				
i. Production ⁽⁴⁾ / Processing	(e.g. PJ gas produced)	1000 m3	0	0,00	0,00				
ii. Transmission	(e.g. PJ gas consumed)	1000 m3	3.800.000	0,00	2,22			8,45	
Distribution	(e.g. PJ gas consumed)			0,00	0,00				
iii. Other Leakage	(e.g. PJ gas consumed)			0,00	0,00				
at industrial plants and power stations				0,00	0,00				
in residential and commercial sectors				0,00	0,00				
1. B. 2. c. Venting ⁽⁵⁾							0,00	0,00	
i. Oil	(e.g. PJ oil produced)			0,00	0,00				
ii. Gas	(e.g. PJ gas produced)			0,00	0,00				
iii. Combined				0,00	0,00				
Flaring							510,78	1,45	0,01
i. Oil	(e.g. PJ gas consumption)	GJ	8.976.786	56,90	0,16	0,00	510,78	1,45	0,01
ii. Gas	(e.g. PJ gas consumption)	GJ	0	0,00	0,00	0,00			
iii. Combined				0,00	0,00	0,00			
1.B.2.d. Other (please specify) ⁽⁶⁾				0,00	0,00	0,00	0,00	0,00	0,00

Additional information

Description	Value	Unit
Pipelines length (km)		
Number of oil wells		
Number of gas wells		
Gas throughput ^(a)		
Oil throughput ^(a)		
Other relevant information (specify)		

^(a) In the context of oil and gas production, throughput is a measure of the total production, such as barrels per day of oil, or cubic meters of gas per year. Specify the units of the reported value in the unit column. Take into account that these values should be consistent with the activity data reported under the production rows of the main table.

⁽¹⁾ Specify the activity data used and fill in the activity data description column, as given in the examples in brackets. Specify the unit of the activity data in the unit column. Use the document box to specify whether the fuel amount is based on the raw material production or on the saleable production. Note cases where more than one variable is used as activity data.

⁽²⁾ The unit of the implied emission factor will depend on the units of the activity data used, and is therefore not specified in this column. The unit of the implied emission factor for each activity will be kg/unit of activity data.

⁽³⁾ Use the category also to cover emissions from combined oil and gas production fields. Natural gas processing and distribution from these fields should be included under 1.B.2.b.ii and 1.B.2.b.iii, respectively.

⁽⁴⁾ If using default emission factors these categories will include emissions from production other than venting and flaring.

⁽⁵⁾ If using default emission factors, emissions from Venting and Flaring from all oil and gas production should be accounted for here. Parties using the IPCC software could report those emissions together, indicating so in the documentation box.

⁽⁶⁾ For example, fugitive CO₂ emissions from production of geothermal power could be reported here.

Documentation box:

TABLE 1.C SECTORAL BACKGROUND DATA FOR ENERGY
International Bunkers and Multilateral Operations
(Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS			EMISSIONS		
	Consumption (TJ)	CO ₂ (t/TJ)	CH ₄ (kg/TJ)	N ₂ O (kg/TJ)	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Marine Bunkers	37.986,32				2.895,41	0,07	0,18
Gasoline	0,03	73,00	121,77	0,00	0,00	0,00	0,00
Gas/Diesel Oil	16.880,52	74,00	1,69	4,68	1.249,16	0,03	0,08
Residual Fuel Oil	21.105,77	78,00	1,76	4,89	1.646,25	0,04	0,10
Lubricants	0,00	0,00	0,00	0,00			
Coal	0,00	0,00	0,00	0,00			
Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
		0,00	0,00	0,00			
Aviation Bunkers	23.871,62				1.718,79	0,04	0,07
Jet Kerosene	23.838,16	72,00	1,55	2,83	1.716,35	0,04	0,07
Gasoline	33,46	73,00	21,90	2,00	2,44	0,00	0,00
Multilateral Operations ⁽¹⁾							

Additional information

Fuel consumption	Allocation ^(a) (percent)	
	Domestic	International
Marine	16,72	83,28
Aviation	8,89	91,11

^(a) For calculating the allocation of fuel consumption, use the sums of fuel consumption by domestic navigation and aviation (Table 1.A(a)) and by international bunkers (Table 1.C).

⁽¹⁾ Parties may choose to report or not report the activity data and emission factors for multilateral operation consistent with the principle of confidentiality stated in the UNFCCC reporting guidelines on inventories. In any case, Parties should report the emissions from multilateral operations, where available, under the Memo Items section of the Summary tables and in the Sectoral report table for energy.

Note: In accordance with the IPCC Guidelines, international aviation and marine bunker fuel emissions from fuel sold to ships or aircraft engaged in international transport should be excluded from national totals and reported separately for informational purposes only.

Documentation box: Please explain how the consumption of international marine and aviation bunkers fuels was estimated and separated from the domestic consumption.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 1 of 2)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
Total Industrial Processes	1,300,49	0,00	0,00	3,02	3,22	0,00	0,00	0,01	0,00	0,00	0,00	0,00	0,00
A. Mineral Products	1,300,49	0,00	0,00							0,00	0,00	0,00	0,00
1. Cement Production	1,194,48												
2. Lime Production	106,01												
3. Limestone and Dolomite Use	0,00												
4. Soda Ash Production and Use	0,00												
5. Asphalt Roofing	0,00												
6. Road Paving with Asphalt	0,00												
7. Other (please specify)	0,00	0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Ammonia Production	0,00	0,00											
2. Nitric Acid Production			0,00										
3. Adipic Acid Production			0,00										
4. Carbide Production	0,00	0,00											
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Iron and Steel Production	0,00	0,00											
2. Ferroalloys Production	0,00	0,00											
3. Aluminium Production	0,00	0,00					0,00						
4. SF ₆ Used in Aluminium and Magnesium Foundries									0,00				
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

methods exist for both tiers.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 2 of 2)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
D. Other Production	0,00									0,00	0,00	0,00	0,00
1. Pulp and Paper													
2. Food and Drink ⁽²⁾	0,00												
E. Production of Halocarbons and SF₆					0,00		0,00		0,00				
1. By-product Emissions					0,00		0,00		0,00				
Production of HCFC-22					0,00								
Other					0,00		0,00		0,00				
2. Fugitive Emissions					0,00		0,00		0,00				
3. Other (please specify)					0,00		0,00		0,00				
F. Consumption of Halocarbons and SF₆				3,02	3,22	0,00	0,00	0,01	0,00				
1. Refrigeration and Air Conditioning Equipment				3,02	0,62		0,00		0,00				
2. Foam Blowing				0,00	2,60		0,00		0,00				
3. Fire Extinguishers					0,00		0,00		0,00				
4. Aerosols/ Metered Dose Inhalers					0,00		0,00		0,00				
5. Solvents					0,00		0,00		0,00				
6. Semiconductor Manufacture					0,00		0,00		0,00				
7. Electrical Equipment								0,00	0,00				
8. Other (please specify)				0,00	0,00	0,00	0,00	0,01	0,00				
Emissions of SF ₆ from (1) window plate production and (2) research laboratories													
								0,01	0,00				
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	0,00												

⁽²⁾ CO₂ from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO₂ emissions of non-biogenic origin should be reported.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
 (Sheet 1 of 2)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
A. Mineral Products						1,300,49		0,00		0,00	
1. Cement Production	<i>(e.g. cement or clinker production)</i>	2.216,10	0,54			1.194,48					
2. Lime Production		406,43	0,26			106,01					
3. Limestone and Dolomite Use		0,00	0,00								
4. Soda Ash						0,00					
Soda Ash Production		0,00	0,00								
Soda Ash Use			0,00								
5. Asphalt Roofing		0,00	0,00								
6. Road Paving with Asphalt		0,00	0,00								
7. Other <i>(please specify)</i>						0,00		0,00		0,00	
Glass Production			0,00								
		0,00	0,00	0,00	0,00						
B. Chemical Industry						0,00		0,00		0,00	
1. Ammonia Production ⁽³⁾		0,00	0,00	0,00	0,00						
2. Nitric Acid Production		0,00			0,00						
3. Adipic Acid Production		0,00			0,00						
4. Carbide Production			0,00	0,00		0,00		0,00			
Silicon Carbide		0,00	0,00	0,00							
Calcium Carbide			0,00	0,00							
5. Other <i>(please specify)</i>						0,00		0,00		0,00	
Carbon Black				0,00							
Ethylene			0,00	0,00	0,00						
Dichloroethylene				0,00							
Styrene				0,00							
Methanol				0,00							
		0,00	0,00	0,00	0,00						

⁽¹⁾ Where the IPCC Guidelines provide options for activity data, e.g. cement or clinker for estimating the emissions from Cement Production, specify the activity data used (as shown in the example in brackets) in order to make the choice of emission factor more transparent and to facilitate comparisons of implied emission factors.

⁽²⁾ Enter cases in which the final emissions are reduced with the quantities of emission recovery, oxidation, destruction, transformation. Adjusted emissions are reported and the quantitative information on recovery, oxidation, destruction, and transformation should be given in the additional columns provided.

⁽³⁾ To avoid double counting make offsetting deductions from fuel consumption (e.g. natural gas) in Ammonia Production, first for feedstock use of the fuel, and then to a sequestering use of the feedstock.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
(Sheet 2 of 2)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption Quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
C. Metal Production⁽⁴⁾						0,00		0,00		0,00	
1. Iron and Steel Production		0,00	0,00			0,00		0,00			
Steel		0,00	0,00								
Pig Iron		0,00	0,00	0,00							
Sinter		0,00	0,00	0,00							
Coke		0,00	0,00	0,00							
Other (please specify) <input type="checkbox"/>						0,00		0,00			
		0,00	0,00	0,00	0,00						
2. Ferroalloys Production		0,00	0,00	0,00							
3. Aluminium Production		0,00	0,00	0,00							
4. SF ₆ Used in Aluminium and Magnesium Foundries											
5. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00						
D. Other Production						0,00					
1. Pulp and Paper											
2. Food and Drink			0,00								
G. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00	0,00					

⁽⁴⁾ More specific information (e.g. data on virgin and recycled steel production) could be provided in the documentation box.

Note: In case of confidentiality of the activity data information, the entries should provide aggregate figures but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 1 of 2)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mce	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs ⁽¹⁾	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs ⁽¹⁾	SF ₆
	(t) ⁽²⁾																						
Total Actual Emissions of Halocarbons (by chemical) and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	2,48	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		3,72
C. Metal Production															0,00	0,00							1,30
Aluminium Production															0,00	0,00							
SF ₆ Used in Aluminium Foundries																							0,00
SF ₆ Used in Magnesium Foundries																							1,30
E. Production of Halocarbons and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
1. By-product Emissions	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production of HCFC-22	0,00																						
Other																							
2. Fugitive Emissions																							
3. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
F(a). Consumption of Halocarbons and SF₆ (actual emissions - Tier 2)	0,00	0,00	0,00	0,00	0,00	0,00	2,48	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		2,42
1. Refrigeration and Air Conditioning Equipment							0,48										0,00						
2. Foam Blowing							2,00																
3. Fire Extinguishers																							
4. Aerosols/Metered Dose Inhalers																							
5. Solvents																							
6. Semiconductor Manufacture																							
7. Electrical Equipment																							0,10
8. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		2,32
Emissions of SF ₆ from (1) window plate production and (2) research laboratories																							
																							2,32
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00

⁽¹⁾ Although shaded, the columns with HFCs and PFCs totals on sheet 1 are kept for consistency with sheet 2 of the table.

⁽²⁾ Note that the units used in this table differ from those used in the rest of the Sectoral report tables, i.e. [t] instead of [Gg].

Note: Where information is confidential the entries should provide aggregate figures but there should be a note indicating this in the relevant documentation boxes of the Sectoral background data tables or as a comment to the corresponding cell. Gases with GWP not yet agreed upon by the COP, should be reported in Table 9 (Completeness), sheet 2.

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 2 of 2)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ea	Total HFCs	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs	SF ₆
	(t) ⁽²⁾																						
F(p). Total Potential Emissions of Halocarbons (by chemical) and SF₆ ⁽³⁾	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production ⁽⁴⁾																							
Import:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Export:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Destroyed amount																							
GWP values used	11700	650	150	1300	2800	1000	1300	140	300	3800	2900	6300	560		6500	9200	7000	7000	8700	7500	7400		23900
Total Actual Emissions ⁽⁶⁾ (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	3,22	0,00	0,00	0,00	0,00	0,00	0,00	3,22	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production															0,00	0,00							0,00
E. Production of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F(a). Consumption of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	3,22	0,00	0,00	0,00	0,00	0,00	0,00	3,22	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	57,86
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Ratio of Potential/Actual Emissions from Consumption of Halocarbons and SF₆																							
Actual emissions - F(a) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	3,22	0,00	0,00	0,00	0,00	0,00	0,00	3,22	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	57,86
Potential emissions - F(p) (7) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential/Actual emissions ratio	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽³⁾ manner corresponding to the subsectors for actual emissions defined on sheet 1 of this table, these should be reported in an annex to sheet 2, using the format of sheet 1, sector F(a). Use Summary 3 of this common reporting format to indicate whether Tier 1a or Tier 1b was used.

⁽⁴⁾ Production refers to production of new chemicals. Recycled substances could be included here, but it should be ensured that double counting of emissions is avoided. Relevant explanations should be provided as a comment to the corresponding cell.

⁽⁵⁾ Relevant just for Tier 1b.

⁽⁶⁾ Sums of the actual emissions of each chemical of halocarbons and SF₆ from the source categories given in sheet 1 of the table multiplied by the corresponding GWP values.

⁽⁷⁾ Potential emissions of each chemical of halocarbons and SF₆ taken from row F(p) multiplied by the corresponding GWP values.

Note: As stated in the revised UNFCCC guidelines, Parties should report actual emissions of HFCs, PFCs and SF₆, where data are available, providing disaggregated data by chemical and source category in units of mass and in CO₂ equivalents. Parties reporting actual emissions should also report potential emissions for the sources where the concept of potential emissions applies, for reasons of transparency and comparability.

TABLE 2(II). C, E SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Metal Production; Production of Halocarbons and SF₆
(Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾	EMISSIONS ⁽²⁾	
	Description ⁽¹⁾	(t)	(kg/t)	(t)	⁽³⁾
C. PFCs and SF₆ from Metal Production					
PFCs from Aluminium Production					
CF ₄			0,00		
C ₂ F ₆			0,00		
SF ₆				1,30	
Aluminium Foundries	(SF ₆ consumption)		0,00		
Magnesium Foundries			0,00	1,30	
E. Production of Halocarbons and SF₆					
1. By-product Emissions					
Production of HCFC-22					
HFC-23			0,00		
Other (specify chemical) <input type="checkbox"/>			0,00		
2. Fugitive Emissions					
HFCs (specify chemical) <input type="checkbox"/>			0,00		
PFCs (specify chemical) <input type="checkbox"/>			0,00		
SF ₆			0,00		
3. Other (please specify) <input type="checkbox"/>			0,00		

⁽¹⁾ Specify the activity data used as shown in the examples within brackets. Where applying Tier 1b (for C), Tier 2 (for E) and country specific methods, specify any other relevant activity data used in the documentation box below.

⁽²⁾ Emissions and implied emission factors are after recovery.









⁽³⁾ Enter cases in which the final emissions are reported after subtracting the quantities of emission recovery, oxidation, destruction, transformation. Enter these quantities in the specified column and use the documentation box for further explanations.

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 1 of 2)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
1 Refrigeration									
Air Conditioning Equipment									
Domestic Refrigeration (<i>Specify chemical</i>) ⁽²⁾ 									
(e.g. HFC-32)									
(e.g. HFC-125)									
(e.g. HFC-134a)									
(e.g. HFC-152a)									
(e.g. HFC-143a)									
Commercial Refrigeration 									
Transport Refrigeration 									
Industrial Refrigeration 									
Stationary Air-Conditioning 									
Mobile Air-Conditioning 									
2 Foam Blowing									
Hard Foam 									
Soft Foam 									

⁽¹⁾ Parties should use the documentation box to provide information on the amount of the chemical recovered (recovery efficiency) and other relevant information used in the emission estimation.

⁽²⁾ Please click on the button to specify the chemical consumed, as given in the example. If needed, new rows could be added for reporting the disaggregated chemicals from a source by clicking on the corresponding button.

Note: Table 2.(II).F provides for reporting of the activity data and emission factors used to calculate actual emissions from consumption of halocarbons and SF₆ using the "bottom-up approach" (based on the total stock of equipment and estimated emission rates from this equipment). Some Parties may prefer to estimate their actual emissions following the alternative "top-down approach" (based on annual sales of equipment and/or gas). These Parties should provide the activity data used in the current format and any other relevant information in the documentation box at the end of Table2(II)Fs2. Data these Parties should provide includes (1) the amount of fluid used to fill new products, (2) the amount of fluid used to service existing products, (3) the amount of fluid originally used to fill retiring products (the total nameplate capacity of retiring products), (4) the product lifetime, and (5) the growth rate of product sales, if this has been used to calculate the amount of fluid originally used to fill retiring products. Alternatively, Parties may provide alternative formats with equivalent information. These formats may be considered for future versions of the common reporting format after the trial period.

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 2 of 2)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
3 Fire Extinguishers <input type="checkbox"/>									
4 Aerosols									
Metered Dose Inhalers <input type="checkbox"/>									
Other <input type="checkbox"/>									
5 Solvents <input type="checkbox"/>									
6 Semiconductors <input type="checkbox"/>									
7 Electric Equipment <input type="checkbox"/>									
8 Other (please specify) <input type="checkbox"/>									

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note indicating this and explanations in the documentation box.

Documentation box:

TABLE 3 SECTORAL REPORT FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark

1992

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	N ₂ O	NM VOC
	(Gg)		
Total Solvent and Other Product Use	121,22	0,00	41,44
A. Paint Application	77,82		24,97
B. Degreasing and Dry Cleaning	0,00		
C. Chemical Products, Manufacture and Processing			2,55
D. Other (please specify)	43,40	0,00	13,93
<i>(Use of N₂O for Anaesthesia)</i>	0,00		
<i>(N₂O from Fire Extinguishers)</i>	0,00		
<i>(N₂O from Aerosol Cans)</i>	0,00		
<i>(Other Use of N₂O)</i>	0,00		
	43,40		13,93

Please account for the quantity of carbon released in the form of NMVOC in both the NMVOC and the CO₂ columns.

Note: The IPCC Guidelines do not provide methodologies for the calculation of emissions of N₂O from Solvent and Other Product Use. If reporting such data, Parties should provide additional information (activity data and emission factors) used to make these estimates in the documentation box to Table 3.A-D.

TABLE 3.A-D SECTORAL BACKGROUND DATA FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS	
	Description	(kt)	CO ₂ (t/t)	N ₂ O (t/t)
A. Paint Application		0,00	0,00	0,00
B. Degreasing and Dry Cleaning		0,00	0,00	0,00
C. Chemical Products, Manufacture and Processing				
D. Other (please specify)⁽¹⁾				
<i>(Use of N₂O for Anaesthesia)</i>		0,00	0,00	0,00
<i>(N₂O from Fire Extinguishers)</i>		0,00	0,00	0,00
<i>(N₂O from Aerosol Cans)</i>		0,00	0,00	0,00
<i>(Other Use of N₂O)</i>		0,00	0,00	0,00

⁽¹⁾ Some probable sources are provided in brackets. Complement the list with other relevant sources. Make sure that the order is the same as in Table 3.

Note: The table follows the format of the IPCC Sectoral Report for Solvent and Other Product Use, although some of the source categories are not relevant to the direct GHG emissions.

Documentation box:

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 1 of 2)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK	CH ₄	N ₂ O	NO _x	CO	NMVOC
CATEGORIES	(Gg)				
Total Agriculture	190,38	30,32	0,00	0,00	1,05
A. Enteric Fermentation	146,36				
1. Cattle	128,72				
Dairy Cattle	74,04				
Non-Dairy Cattle	54,68				
2. Buffalo					
3. Sheep	1,46				
4. Goats					
5. Camels and Llamas					
6. Horses	0,50				
7. Mules and Asses					
8. Swine	15,68				
9. Poultry					
10. Other (<i>please specify</i>)	0,00				
B. Manure Management	44,02	1,55			0,00
1. Cattle	17,32				
Dairy Cattle	14,96				
Non-Dairy Cattle	2,36				
2. Buffalo					
3. Sheep	0,08				
4. Goats					
5. Camels and Llamas					
6. Horses	0,03				
7. Mules and Asses					
8. Swine	25,86				
9. Poultry	0,72				

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 2 of 2)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O	NO _x	CO	NMVOC
	(Gg)				
B. Manure Management (continued)					
10. Anaerobic Lagoons					
11. Liquid Systems		0,22			
12. Solid Storage and Dry Lot		1,33			
13. Other (please specify) <input type="checkbox"/>		0,00			0,00
C. Rice Cultivation	0,00				0,00
1. Irrigated	0,00				
2. Rainfed	0,00				
3. Deep Water	0,00				
4. Other (please specify) <input type="checkbox"/>	0,00				0,00
D. Agricultural Soils ⁽¹⁾	0,00	28,77			1,05
1. Direct Soil Emissions		17,54			1,05
2. Animal Production		1,26			
3. Indirect Emissions		9,83			
4. Other (please specify) <input type="checkbox"/>	0,00	0,14			0,00
E. Prescribed Burning of Savannas	0,00	0,00			
F. Field Burning of Agricultural Residues	0,00	0,00	0,00	0,00	0,00
1. Cereals	0,00	0,00			
2. Pulse	0,00	0,00			
3. Tuber and Root	0,00	0,00			
4. Sugar Cane	0,00	0,00			
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00
G. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ See footnote 4 to Summary 1.A of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category of the sector Agriculture should indicate the amount [Gg] of these emissions or removals in the documentation box to Table 4.D. Additional information (activity data, implied emissions factors) should also be provided using the relevant documentation box to Table 4.D. This table is not modified for reporting the CO₂ emissions and removals for the sake of consistency with the IPCC tables (i.e. IPCC Sectoral Report for Agriculture).

Note: The IPCC Guidelines do not provide methodologies for the calculation of CH₄ emissions, CH₄ and N₂O removals from agricultural soils, or CO₂ emissions from savanna burning or agricultural residues burning. If you have reported such data, you should provide additional information (activity data and emission factors) used to make these estimates using the relevant documentation boxes of the Sectoral background data tables.

TABLE 4.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

Denmark

1992

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA ⁽¹⁾ AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS
	Population size ⁽²⁾ (1000 head)	Average daily feed intake (MJ/day)	CH ₄ conversion (%)	CH ₄ (kg CH ₄ /head/yr)
1. Cattle	0			0,00
Dairy Cattle ⁽³⁾	712			104,00
Non-Dairy Cattle	1.478			37,00
2. Buffalo	0			0,00
3. Sheep	182			8,00
4. Goats	0			0,00
5. Camels and Llamas	0			0,00
6. Horses	28			18,00
7. Mules and Asses	0			0,00
8. Swine	10.455			1,50
9. Poultry	0			0,00
10. Other (please specify) <input type="checkbox"/>				0,00

Additional information (for Tier 2) ^(a)

Disaggregated list of animals ^(b)		Dairy Cattle	Non-Dairy Cattle	Other (specify)	
<input type="checkbox"/>				<input type="checkbox"/>	
Indicators:					
Weight	(kg)				
Feeding situation ^(c)					
Milk yield	(kg/day)				
Work	(hrs/day)				
Pregnant	(%)				
Digestibility of feed	(%)				

^(a) Compare to Tables A-1 and A-2 of the IPCC Guidelines (Volume 3, Reference Manual, pp. 4.31-4.34). These data are relevant if Parties do not have data on average feed intake.

^(b) Disaggregate to the split actually used. Add columns to the table if necessary.

^(c) Specify feeding situation as pasture, stall fed, confined, open range, etc.

⁽¹⁾ In the documentation boxes to all Sectoral background data tables for Agriculture, Parties should provide information on whether the activity data is one year or a 3-year average.

⁽²⁾ Parties are encouraged to provide detailed livestock population data by animal type and region in a separate table below the documentation box. This consistent set of animal population statistics should be used to estimate CH₄ emissions from enteric fermentation, CH₄ and N₂O from manure management, N₂O direct emissions from soil and N₂O emissions associated with manure production, as well as emissions from the use of manure as fuel, and sewage-related emissions reported in the waste sector.

⁽³⁾ Including data on dairy heifers, if available.

Documentation box:

TABLE 4.B(a) SECTORAL BACKGROUND DATA FOR AGRICULTURE
CH₄ Emissions from Manure Management
 (Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS CH ₄ (kg CH ₄ /head/yr)	
	Population size (1) (1000 head)	Allocation by climate region (2)			Typical animal mass (kg)	VS ⁽³⁾ daily excretion (kg dm/head/yr)		CH ₄ producing potential (Bo) ⁽³⁾ (CH ₄ m ³ /kg VS)
		Cool	Temperate	Warm				
		(%)						
1. Cattle	0						0,00	
Dairy Cattle ⁽⁴⁾	712						21,01	
Non-Dairy Cattle	1.478						1,60	
2. Buffalo	0						0,00	
3. Sheep	267						0,31	
4. Goats	0						0,00	
5. Camels and Llamas	0						0,00	
6. Horses	84						0,37	
7. Mules and Asses	0						0,00	
8. Swine	16.474						1,57	
9. Poultry	35.527						0,02	

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ Climate regions are defined in terms of annual average temperature as follows: Cool=less than 15°C; Temperate=15°C to 25°C inclusive; and Warm=greater than 25°C (see Table 4.2 of the IPCC Guidelines (Volume 3, Reference Manual, p. 4.8)).

⁽³⁾ VS=Volatile Solids; Bo=maximum methane producing capacity for manure IPCC Guidelines (Volume 3, Reference Manual, p.4.23 and p. 4.15.

⁽⁴⁾ Including data on dairy heifers, if available.

Documentation Box:

Additional information (for Tier 2)

Animal category ^(a)	Indicator	Climate region	Animal waste management system					
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range paddock	Other
Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Non-Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Swine	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						

^(a) Copy the above table as many times as necessary.

^(b) MCF = Methane Conversion Factor (IPCC Guidelines, (Volume 3, Reference Manual, p. 4.9)). In the case of use of other climate region categorization, please replace the entries in the cells with the climate regions for which the MCFs are specified.

TABLE 4.B(b) SECTORAL BACKGROUND DATA FOR AGRICULTURE
N₂O Emissions from Manure Management
(Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION								IMPLIED EMISSION FACTORS	
	Population size (1) (1000s)	Nitrogen excretion (kg N/head/yr)	Nitrogen excretion per animal waste management system (kg N/yr)						Emission factor per animal waste management system (kg N ₂ O-N/kg N)	
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range and paddock	Other		
Non-Dairy Cattle	712								Anaerobic lagoon	0,000
Dairy Cattle	1.478								Liquid system	0,000
Sheep	267								Solid storage and dry lot	0,000
Swine	16.474								Other	0,000
Poultry	35.527									
Other (please specify) <input type="checkbox"/>										
Total per AWMS⁽²⁾			0,0	0,0	0,0	0,0	0,0	0,0		

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ AWMS - Animal Waste Management System.

Documentation box:

TABLE 4.C SECTORAL BACKGROUND DATA FOR AGRICULTURE

Rice Cultivation

(Sheet 1 of 1)

Denmark

1992

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR ⁽¹⁾	EMISSIONS
	Harvested area ⁽²⁾ (10 ⁻⁹ m ² /yr)	Organic amendments added ⁽³⁾ :		CH ₄ (g/m ²)	CH ₄ (Gg)
		type	(t/ha)		
1. Irrigated					0,00
Continuously Flooded				0,00	
Intermittently Flooded	Single Aeration			0,00	
	Multiple Aeration			0,00	
2. Rainfed					0,00
Flood Prone				0,00	
Drought Prone				0,00	
3. Deep Water					0,00
Water Depth 50-100 cm				0,00	
Water Depth > 100 cm				0,00	
4. Other (please specify)					0,00
				0,00	
Upland Rice ⁽⁴⁾					
Total ⁽⁴⁾	0,00				

⁽¹⁾ The implied emission factor takes account of all relevant corrections for continuously flooded fields without organic amendment plus the correction for the organic amendments, if used, as well as of the effect of different soil characteristics, if taken into account, on methane emissions.

⁽²⁾ Harvested area is the cultivated area multiplied by the number of cropping seasons per year.

⁽³⁾ Specify dry weight or wet weight for organic amendments.

⁽⁴⁾

Documentation box:

When disaggregating by more than one region within a country, provide additional information in the documentation box.

Where available, provide activity data and scaling factors by soil type and rice cultivar.

TABLE 4.D SECTORAL BACKGROUND DATA FOR AGRICULTURE

Agricultural Soils⁽¹⁾
 (Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION		IMPLIED EMISSION FACTORS		EMISSIONS (Gg N ₂ O)
	Description	Value	Unit		
Direct Soil Emissions	N input to soils (kg N/yr)				17,54
Synthetic Fertilizers	Use of synthetic fertilizers (kg N/yr)	369.500.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,012	7,11
Animal Wastes Applied to Soils	Nitrogen input from manure applied to soils (kg N/yr)	256.300.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,009	3,61
N-fixing Crops	Dry pulses and soybeans produced (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	0,63
Crop Residue	Dry production of other crops (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	6,04
Cultivation of Histosols	Area of cultivated organic soils (ha)	18.440	(kg N ₂ O-N/ha) ⁽²⁾	5,000	0,14
Animal Production	N excretion on pasture range and paddock (kg N/yr)	43.000.000	(kg N₂O-N/kg N)⁽²⁾	0,019	1,26
Indirect Emissions					9,83
Atmospheric Deposition	(kg N/yr)	82.932.900	(kg N ₂ O-N/kg N) ⁽²⁾	0,010	1,30
Nitrogen Leaching and Run-off	N from fertilizers and animal wastes that is lost through leaching and run off (kg N/yr)	217.000.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,025	8,53
Other (please specify)					0,14
Sewage sludge used as fertilizer	(kg N/yr)	7.100.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,013	0,14
Industrial waste used as fertilizer	(kg N/yr)		(kg N ₂ O-N/kg N) ⁽²⁾	0,000	
				0,000	

Additional information

Fraction ^(a)	Description	Value
Frac _{BURN}	Fraction of crop residue burned	0,00
Frac _{FUEL}	Fraction of livestock N excretion in excrements burned for fuel	0,00
Frac _{GASF}	Fraction of synthetic fertilizer N applied to soils that volatilizes as NH ₃ and NO _x	0,02
Frac _{GASM}	Fraction of livestock N excretion that volatilizes as NH ₃ and NO _x	0,28
Frac _{GRAZ}	Fraction of livestock N excreted and deposited onto soil during grazing	
Frac _{LEACH}	Fraction of N input to soils that is lost through leaching and runoff	
Frac _{NCRBF}	Fraction of N in non-N-fixing crop	
Frac _{NCRO}	Fraction of N in N-fixing crop	
Frac _R	Fraction of crop residue removed from the field as crop	

^(a) Use the fractions as specified in the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.92 - 4.113).

⁽¹⁾ See footnote 4 to Summary 1.A. of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category should indicate the amount [Gg] of these emissions or removals and relevant additional information (activity data, implied emissions factors) in the documentation box.

⁽²⁾ To convert from N₂O-N to N₂O emissions, multiply by 44/28.

Documentation box:

TABLE 4.E SECTORAL BACKGROUND DATA FOR AGRICULTURE
Prescribed Burning of Savannas
(Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION					IMPLIED EMISSION FACTORS		EMISSIONS	
	Area of savanna burned (k ha/yr)	Average aboveground biomass density (t dm/ha)	Fraction of savanna burned	Biomass burned (Gg dm)	Nitrogen fraction in biomass	(kg/t dm)		(Gg)	
						CH ₄	N ₂ O	CH ₄	N ₂ O
(specify ecological zone) <input type="checkbox"/>								0,00	0,00
						0,00	0,00		

Additional information

	Living	Dead
Fraction of aboveground biomass		
Fraction oxidized		
Carbon fraction		

Documentation box:

TABLE 4.F SECTORAL BACKGROUND DATA FOR AGRICULTURE
Field Burning of Agricultural Residues
 (Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		EMISSIONS	
	Crop production (t)	Residue/ Crop ratio	Dry matter fraction	Fraction burned in fields	Biomass burned (Gg dm)	Nitrogen fraction in biomass of residues	CH ₄	N ₂ O	CH ₄	N ₂ O
							(kg/t dm)	(kg/t dm)	(Gg)	(Gg)
1. Cereals									0,00	0,00
Wheat							0,00	0,00		
Barley							0,00	0,00		
Maize							0,00	0,00		
Oats							0,00	0,00		
Rye							0,00	0,00		
Rice							0,00	0,00		
Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		
2. Pulse ⁽¹⁾									0,00	0,00
Dry bean							0,00	0,00		
Peas							0,00	0,00		
Soybeans							0,00	0,00		
Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		
3 Tuber and Root									0,00	0,00
Potatoes							0,00	0,00		
Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		
4 Sugar Cane							0,00	0,00		
5 Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		

⁽¹⁾ To be used in Table 4.D of this common reporting format.

Documentation Box:

TABLE 5 SECTORAL REPORT FOR LAND-USE CHANGE AND FORESTRY
(Sheet 1 of 1)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions/ removals	CH ₄	N ₂ O	NO _x	CO
	(Gg)						
Total Land-Use Change and Forestry	0,00	-921,00	-921,00	0,00	0,00	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-921,00	-921,00				
1. Tropical Forests			0,00				
2. Temperate Forests		-921,00	-921,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
Harvested Wood ⁽¹⁾			0,00				
			0,00				
B. Forest and Grassland Conversion⁽²⁾	0,00			0,00	0,00	0,00	0,00
1. Tropical Forests							
2. Temperate Forests							
3. Boreal Forests							
4. Grasslands/Tundra							
5. Other (please specify) <input type="checkbox"/>	0,00			0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00				
1. Tropical Forests			0,00				
2. Temperate Forests			0,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
D. CO₂ Emissions and Removals from Soil	0,00	0,00	0,00				
Cultivation of Mineral Soils			0,00				
Cultivation of Organic Soils			0,00				
Liming of Agricultural Soils			0,00				
Forest Soils			0,00				
Other (please specify) ⁽³⁾ <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
E. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00				

⁽¹⁾ Following the IPCC Guidelines, the harvested wood should be reported under Changes in Forest and Other Woody Biomass Stocks (Volume 3. Reference Manual, p.5.17).

⁽²⁾ Include only the emissions of CO₂ from Forest and Grassland Conversion. Associated removals should be reported under section D.

⁽³⁾ Include emissions from soils not reported under sections A, B and C.

Note: See footnote 4 to Summary 1.A of this common reporting format.

TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark
1992
April 11, 2001

**Changes in Forest and Other Woody Biomass Stocks
(Sheet 1 of 1)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES			ACTIVITY DATA		IMPLIED EMISSION FACTORS	ESTIMATES
			Area of forest/biomass stocks (kha)	Average annual growth rate (t dm/ha)	Implied carbon uptake factor (t C/ha)	Carbon uptake increment (Gg C)
Tropical	Plantations	<i>Acacia spp.</i>			0,00	
		<i>Eucalyptus spp.</i>			0,00	
		<i>Tectona grandis</i>			0,00	
		<i>Pinus spp</i>			0,00	
		<i>Pinus caribaea</i>			0,00	
		Mixed Hardwoods			0,00	
		Mixed Fast-Growing Hardwoods			0,00	
		Mixed Softwoods			0,00	
	Other Forests	Moist			0,00	
		Seasonal			0,00	
		Dry			0,00	
	Other (specify) <input type="checkbox"/>				0,00	
	Temperate	Plantations				0,00
					0,00	
Commercial		Evergreen			0,00	
		Deciduous			0,00	
Other (specify) <input type="checkbox"/>				0,00		
Boreal					0,00	
			Number of trees (1000s of trees)	Annual growth rate (kt dm/1000 trees)	Carbon uptake factor (t C/tree)	Carbon uptake increment (Gg C)
Non-Forest Trees (specify type) <input type="checkbox"/>						0,00
Total annual growth increment (Gg C)						0,00
Gg CO ₂						0,00
			Amount of biomass removed (kt dm)	Carbon emission factor (t C/t dm)	Carbon release (Gg C)	
Total biomass removed in Commercial Harvest				0,00		
Traditional Fuelwood Consumed				0,00		
Total Other Wood Use				0,00		
Total Biomass Consumption from Stocks ⁽¹⁾ (Gg C)						0,00
Other Changes in Carbon Stocks ⁽²⁾ (Gg C)						
Gg CO ₂						0,00
Net annual carbon uptake (+) or release (-) (Gg C)						0,00
Net CO ₂ emissions (-) or removals (+) (Gg CO ₂)						0,00

⁽¹⁾ Make sure that the quantity of biomass burned off-site is subtracted from this total.

⁽²⁾ The net annual carbon uptake/release is determined by comparing the annual biomass growth versus annual harvest, including the decay of forest products and slash left during harvest. The IPCC Guidelines recommend default assumption that all carbon removed in wood and other biomass from forests is oxidized in the year of removal. The emissions from decay could be included under Other Changes in Carbon Stocks.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.B SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Forest and Grassland Conversion
 (Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS					EMISSIONS					
		On and off site burning				Decay of above-ground biomass ⁽¹⁾		Burning			Decay	Burning				Decay		
		Area converted annually (kha)	Annual net loss of biomass (kt dm)	Quantity of biomass burned		Average area converted (kha)	Average annual net loss of biomass (t dm/ha)	Average quantity of biomass left to decay (kt dm)	On site			Off site CO ₂	On site				Off site CO ₂	
				On site (kt dm)	Off site (kt dm)				CO ₂	CH ₄	N ₂ O		CO ₂	CH ₄	N ₂ O			
								(t/ha)					(Gg)					
Tropical	Wet/Very Moist							0,00	0,00	0,00	0,00	0,00						
	Moist, short dry season							0,00	0,00	0,00	0,00	0,00						
	Moist, long dry season							0,00	0,00	0,00	0,00	0,00						
	Dry							0,00	0,00	0,00	0,00	0,00						
	Montane Moist							0,00	0,00	0,00	0,00	0,00						
	Montane Dry							0,00	0,00	0,00	0,00	0,00						
Tropical Savanna/Grasslands								0,00	0,00	0,00	0,00	0,00						
Temperate	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Broadleaf							0,00	0,00	0,00	0,00	0,00						
	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
Grasslands								0,00	0,00	0,00	0,00	0,00						
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Forest-tundra							0,00	0,00	0,00	0,00	0,00						
Grasslands/Tundra								0,00	0,00	0,00	0,00	0,00						
Other (please specify) <input type="checkbox"/>								0,00	0,00	0,00	0,00	0,00						
Total								0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Activity data are for default 10-year average. Specify the average decay time which is appropriate for the local conditions, if other than 10 years.

Emissions/Removals	On site	Off site
Immediate carbon release from burning	0,00	0,00
Total On site and Off site (Gg C)	0,00	
Delayed emissions from decay (Gg C)	0,00	
Total annual carbon release (Gg C)	0,00	
Total annual CO ₂ emissions (Gg CO ₂)	0,00	

Additional information

Fractions	On site	Off site
Fraction of biomass burned (average)		
Fraction which oxidizes during burning (average)		
Carbon fraction of aboveground biomass (average)		
Fraction left to decay (average)		
Nitrogen-carbon ratio		

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.C SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Abandonment of Managed Lands
(Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		ESTIMATES	
		Total area abandoned and regrowing ⁽¹⁾		Annual rate of aboveground biomass growth		Carbon fraction of aboveground biomass		Rate of aboveground biomass carbon uptake		Annual carbon uptake in aboveground biomass	
		first 20 years (kha)	>20 years (kha)	first 20 years (t dm/ha)	>20 years (t dm/ha)	first 20 years	>20 years	first 20 years (t C/ha/yr)	>20 years (t C/ha/yr)	first 20 years (Gg C/yr)	>20 years (Gg C/yr)
Original natural ecosystems											
Tropical	Wet/Very Moist							0,00	0,00		
	Moist, short dry season							0,00	0,00		
	Moist, long dry season							0,00	0,00		
	Dry							0,00	0,00		
	Montane Moist							0,00	0,00		
	Montane Dry							0,00	0,00		
Tropical Savanna/Grasslands								0,00	0,00		
Temperate	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Broadleaf							0,00	0,00		
Grasslands								0,00	0,00		
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Forest-tundra							0,00	0,00		
Grasslands/Tundra								0,00	0,00		
Other (please specify)								0,00	0,00		
								0,00	0,00		
										Total annual carbon uptake (Gg C)	0,00
										Total annual CO ₂ removal (Gg CO ₂)	0,00

⁽¹⁾ If lands are regenerating to grassland, then the default assumption is that no significant changes in above-ground biomass occur.

Note: Sectoral background data tables on Land-use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.D SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
CO₂ Emissions and Removals from Soil
 (Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS	ESTIMATES
	Land area (Mha)	Average annual rate of soil carbon uptake/removal (Mg C/ha/yr)	Net change in soil carbon in mineral soils (Tg C over 20 yr)
Cultivation of Mineral Soils ⁽¹⁾			0,00
High Activity Soils		0,00	
Low Activity Soils		0,00	
Sandy		0,00	
Volcanic		0,00	
Wetland (Aquic)		0,00	
Other (please specify) <input type="checkbox"/>			0,00
		0,00	
	Land area (ha)	Annual loss rate (Mg C/ha/yr)	Carbon emissions from organic soils (Mg C/yr)
Cultivation of Organic Soils			0,00
Cool Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Warm Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Tropical			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
	Total annual amount of lime (Mg)	Carbon conversion factor	Carbon emissions from liming (Mg C)
Liming of Agricultural Soils			0,00
Limestone Ca(CO ₃)		0,00	
Dolomite CaMg(CO ₃) ₂		0,00	
Total annual net carbon emissions from agriculturally impacted soils (Gg C)			0,00
Total annual net CO ₂ emissions from agriculturally impacted soils (Gg CO ₂)			0,00

Additional information

Year	Climate ^(a)	land-use/ management system ^(a)	Soil type					
			High activity soils	Low activity soils	Sandy	Volcanic	Wetland (Aquic)	Organic soil
percent distribution (%)								
20 years prior	(e.g. tropical, dry)	(e.g. savanna)						
		(e.g. irrigated cropping)						
inventory year								

^(a) These should represent the major types of land management systems per climate regions presented in the country as well as ecosystem types which were either converted to agriculture (e.g., forest, savanna, grassland) or have been derived from previous agricultural land-use (e.g., abandoned lands, reforested lands). Systems should also reflect differences in soil carbon stocks that can be related to differences in management (IPCC Guidelines (Volume 2. Workbook, Table 5-9, p. 5.26, and Appendix (pp. 5-31 - 5.38)).

⁽¹⁾ The information to be reported under Cultivation of Mineral Soils aggregates data per soil type over all land-use/management systems. This refers to land area data and to the emission estimates and implied emissions factors accordingly.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation Box:

TABLE 6 SECTORAL REPORT FOR WASTE
(Sheet 1 of 1)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Waste	0,00	64,80	0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	0,00	64,80		0,00	0,00	0,00	
1. Managed Waste Disposal on Land	0,00	64,80					
2. Unmanaged Waste Disposal Sites	0,00	0,00					
3. Other (<i>please specify</i>)	0,00	0,00		0,00	0,00	0,00	
B. Wastewater Handling		0,00	0,00	0,00	0,00	0,00	
1. Industrial Wastewater		0,00	0,00				
2. Domestic and Commercial Wastewater		0,00	0,00				
3. Other (<i>please specify</i>)		0,00	0,00	0,00	0,00	0,00	
C. Waste Incineration	0,00	0,00	0,00				
D. Other (<i>please specify</i>)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biological or inorganic waste sources.

TABLE 6.A SECTORAL BACKGROUND DATA FOR WASTE
Solid Waste Disposal
(Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION				IMPLIED EMISSION FACTOR		EMISSIONS ⁽¹⁾	
	Annual MSW at the SWDS (Gg)	MCF	DOC degraded (Gg)	CH ₄ recovery ⁽²⁾ (Gg)	CH ₄ (t/t MSW)	CO ₂ (t/t MSW)	CH ₄ (Gg)	CO ₂ ⁽³⁾ (Gg)
1 Managed Waste Disposal on Land	2,889,60				0,02	0,00	64,80	
2 Unmanaged Waste Disposal Sites					0,00	0,00	0,00	0,00
- deep (>5 m)	0,00				0,00	0,00		
- shallow (<5 m)					0,00	0,00		
3 Other (please specify)					0,00	0,00	0,00	0,00

Additional information

Description	Value
Total population (1000s) ^(a)	
Urban population (1000s) ^(a)	
Waste generation rate (kg/capita/day)	
Fraction of MSW disposed to SWDS	
Fraction of DOC in MSW	
Fraction of wastes incinerated	
Fraction of wastes recycled	
CH ₄ oxidation factor (b)	
CH ₄ fraction in landfill gas	
Number of SWDS recovering CH ₄	
CH ₄ generation rate constant (k) ^(c)	
Time lag considered (yr) ^(c)	
Composition of landfilled waste (%)	
Paper and paperboard	
Food and garden waste	
Plastics	
Glass	
Textiles	
Other (specify)	
other - inert	
other - organic	

TABLE 6.C SECTORAL BACKGROUND DATA FOR WASTE
Waste Incineration
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA Amount of incinerated wastes (Gg)	IMPLIED EMISSION FACTOR			EMISSIONS		
		CO ₂ (kg/t waste)	CH ₄ (kg/t waste)	N ₂ O (kg/t waste)	CO ₂ ⁽³⁾ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Waste Incineration (please specify)	0,00				0,00	0,00	0,00
(biogenic) ⁽³⁾		0,00	0,00	0,00			
(plastics and other non-biogenic waste) ⁽³⁾		0,00	0,00	0,00			
		0,00	0,00	0,00			

MSW - Municipal Solid Waste, SWDS - Solid Waste Disposal Site, MCF - Methane Correction Factor, DOC - Degradable Organic Carbon (IPCC Guidelines (Volume 3. Reference Manual, section 6.2.4)). MSW includes household waste, yard/garden waste, commercial/market waste and organic industrial solid waste. MSW should not include inorganic industrial waste such as construction or demolition materials.

⁽¹⁾ Actual emissions (after recovery).

⁽²⁾ CH₄ recovered and flared or utilized.

⁽³⁾ Under Waste Disposal, CO₂ emissions should be reported only when the disposed wastes are combusted at the disposal site which might constitute a management practice. CO₂ emissions from non-biogenic wastes are included in the totals, while the CO₂ emissions from biogenic wastes are not included in the totals.

Documentation box:

All relevant information used in calculation should be provided in the additional information box and in the documentation box.
 Parties that use country specific models should note this with a brief rationale in the documentation box and fill the relevant cells only.

^(a) Specify whether total or urban population is used and the rationale for doing so.

^(b) See IPCC Guidelines (Volume 3. Reference Manual, p. 6.9).

^(c) For Parties using Tier 2 methods.

TABLE 6.B SECTORAL BACKGROUND DATA FOR WASTE
Wastewater Handling
 (Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND RELATED INFORMATION ⁽¹⁾				IMPLIED EMISSION FACTOR			EMISSIONS ⁽²⁾		
	Total organic product		CH ₄ recovered and/or flared		CH ₄		N ₂ O ⁽³⁾ (kg/kg DC)	CH ₄		N ₂ O ⁽³⁾ (Gg)
	Wastewater (Gg DC ⁽¹⁾ /yr)	Sludge	Wastewater (Gg)	Sludge	Wastewater (kg/kg DC)	Sludge (kg/kg DC)		Wastewater (Gg)	Sludge (Gg)	
Industrial Wastewater	0,00				0,00	0,00				
Domestic and Commercial Wastewater	0,00				0,00	0,00				
Other (please specify)					0,00	0,00		0,00	0,00	0,00
					0,00	0,00				

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR	EMISSIONS
	Population ⁽⁴⁾ (1000s)	Protein consumption (protein in kg/person/yr)	N fraction (kg N/kg protein)	N ₂ O (kg N ₂ O-N/kg sewage N produced)	N ₂ O (Gg)
N ₂ O from human sewage ⁽³⁾				0,00	

⁽¹⁾ DC - degradable organic component. DC indicators are COD (Chemical Oxygen Demand) for industrial wastewater and BOD (Biochemical Oxygen Demand) for Domestic/Commercial wastewater/sludge (IPCC Guidelines (Volume 3, Reference Manual, pp. 6.14, 6.18)).

⁽²⁾ Actual emissions (after recovery).

⁽³⁾ Parties using other methods for estimation of N₂O emissions from human sewage or wastewater treatment should provide corresponding information on methods, activity data and emission factors used in the documentation box. Use the table to provide aggregate data.

⁽⁴⁾ Specify whether total or urban population is used in the calculations and the rationale for doing so. Provide explanation in the documentation box.

Documentation box:

Additional information

	Domestic	Industrial
Total wastewater (m ³):		
Treated wastewater (%):		

Wastewater streams:	Wastewater output (m ³)	DC (kgCOD/m ³)
Industrial wastewater		
Iron and steel		
Non-ferrous		
Fertilizers		
Food and beverage		
Paper and pulp		
Organic chemicals		
Other (specify)		
DC (kg BOD/1000 person/yr)		
Domestic and Commercial		
Other		

Handling systems:	Industrial wastewater treated (%)	Ind. sludge treated (%)	Domestic wastewater treated (%)	Domestic sludge treated (%)
Aerobic				
Anaerobic				
Other (specify)				

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)

(Sheet 1 of 3)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)					(Gg)			
Total National Emissions and Removals	58,314,90	-921,00	280,98	33,08	3,02	3,22	0,00	0,00	0,01	0,00	267,91	699,77	173,49	188,37
1. Energy	56,893,20		25,80	2,76							267,91	699,77	121,69	188,37
A. Fuel Combustion														
Reference Approach ⁽²⁾	0,00													
Sectoral Approach ⁽²⁾	56,382,42		11,91	2,76							267,91	658,90	110,48	188,37
1. Energy Industries	29,777,85		1,24	0,99							93,01	9,02	1,36	143,69
2. Manufacturing Industries and Construction	6,466,89		0,75	0,40							22,47	14,33	4,15	22,40
3. Transport	10,992,74		2,91	0,65							112,06	480,49	87,32	8,94
4. Other Sectors	9,004,15		7,01	0,70							39,47	154,50	17,53	13,27
5. Other	140,79		0,01	0,01							0,89	0,55	0,12	0,06
B. Fugitive Emissions from Fuels	510,78		13,89	0,01							0,00	40,87	11,21	0,00
1. Solid Fuels	0,00		3,94	0,00							0,00	40,87	0,00	0,00
2. Oil and Natural Gas	510,78		9,94	0,01							0,00	0,00	11,21	0,00
2. Industrial Processes	1,300,49		0,00	0,00	3,02	3,22	0,00	0,00	0,01	0,00	0,00	0,00	0,00	0,00
A. Mineral Products	1,300,49		0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00		0,00	0,00				0,00		0,00	0,00	0,00	0,00	0,00
D. Other Production ⁽³⁾	0,00										0,00	0,00	0,00	0,00
E. Production of Halocarbons and SF ₆						0,00		0,00		0,00				
F. Consumption of Halocarbons and SF ₆					3,02	3,22	0,00	0,00	0,01	0,00				
G. Other	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach. Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ Other Production includes Pulp and Paper and Food and Drink Production.

Note: The numbering of footnotes to all tables containing more than one sheet continue to the next sheet. Common footnotes are given only once at the first point of reference.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	emissions	removals			P	A	P	A	P	A				
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
3. Solvent and Other Product Use	121,22			0,00									41,44	
4. Agriculture	0,00	0,00	190,38	30,32							0,00	0,00	1,05	0,00
A. Enteric Fermentation			146,36											
B. Manure Management			44,02	1,55									0,00	
C. Rice Cultivation			0,00										0,00	
D. Agricultural Soils	⁽⁴⁾	⁽⁴⁾	0,00	28,77									1,05	
E. Prescribed Burning of Savannas			0,00	0,00							0,00	0,00	0,00	
F. Field Burning of Agricultural Residues			0,00	0,00							0,00	0,00	0,00	
G. Other			0,00	0,00							0,00	0,00	0,00	
5. Land-Use Change and Forestry	⁽⁵⁾	0,00	⁽⁵⁾	-921,00	0,00	0,00					0,00	0,00	9,31	0,00
A. Changes in Forest and Other Woody Biomass Stocks	⁽⁵⁾	0,00	⁽⁵⁾	-921,00										
B. Forest and Grassland Conversion		0,00		0,00	0,00						0,00	0,00	9,31	
C. Abandonment of Managed Lands	⁽⁵⁾	0,00	⁽⁵⁾	0,00										
D. CO ₂ Emissions and Removals from Soil	⁽⁵⁾	0,00	⁽⁵⁾	0,00										
E. Other	⁽⁵⁾	0,00	⁽⁵⁾	0,00	0,00	0,00					0,00	0,00		
6. Waste	0,00		64,80	0,00							0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	⁽⁶⁾	0,00	64,80									0,00	0,00	
B. Wastewater Handling			0,00	0,00							0,00	0,00	0,00	
C. Waste Incineration	⁽⁶⁾	0,00	0,00	0,00							0,00	0,00	0,00	0,00
D. Other		0,00	0,00	0,00							0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽⁴⁾ According to the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.2, 4.87), CO₂ emissions from agricultural soils are to be included under Land-Use Change and Forestry (LUCF). At the same time, the Summary Report 7A (Volume 1. Reporting Instructions, Tables.27) allows for reporting CO₂ emissions or removals from agricultural soils, either in the Agriculture sector, under D. Agricultural Soils or in the Land-Use Change and Forestry sector under D. Emissions and Removals from Soil. Parties may choose either way to report emissions or removals from this source in the common reporting format, but the way they have chosen to report should be clearly indicated, by inserting explanatory comments to the corresponding cells of Summary 1.A and Summary 1.B. Double-counting of these emissions or removals should be avoided. Parties should include these emissions or removals consistently in Table8(a) (Recalculation - Recalculated data) and Table10 (Emission trends).

⁽⁵⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽⁶⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biogenic or inorganic waste streams.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs		PFCs		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)					(Gg)			
Memo Items: ⁽⁷⁾														
International Bunkers	4,614,20		0,10	0,25							86,26	8,56	2,51	37,74
Aviation	1,718,79		0,04	0,07							6,97	1,81	0,39	0,11
Marine	2,895,41		0,07	0,18							79,29	6,74	2,12	37,63
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	4,959,19													

⁽⁷⁾ Memo Items are not included in the national totals.

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
	P	A	P	A	P	A	P	A	P	A				
Total National Emissions and Removals	58,314,90	-921,00	280,98	33,08	3,02	3,22	0,00	0,00	0,01	0,00	267,91	699,77	173,49	188,37
1. Energy	56,893,20		25,80	2,76							267,91	699,77	121,69	188,37
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	56,382,42	11,91	2,76							267,91	658,90	110,48	188,37
B. Fugitive Emissions from Fuels		510,78	13,89	0,01							0,00	40,87	11,21	0,00
2. Industrial Processes	1,300,49		0,00	0,00	3,02	3,22	0,00	0,00	0,01	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	121,22			0,00							0,00	0,00	41,44	0,00
4. Agriculture⁽³⁾	0,00	0,00	190,38	30,32							0,00	0,00	1,05	0,00
5. Land-Use Change and Forestry⁽⁴⁾	0,00⁽⁴⁾	-921,00⁽⁴⁾	0,00	0,00							0,00	0,00	9,31	0,00
6. Waste	0,00		64,80	0,00							0,00	0,00	0,00	0,00
7. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:														
International Bunkers	4,614,20		0,10	0,25							86,26	8,56	2,51	37,74
Aviation	1,718,79		0,04	0,07							6,97	1,81	0,39	0,11
Marine	2,895,41		0,07	0,18							79,29	6,74	2,12	37,63
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	4,959,19													

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in document box of Table 1.A(c). Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ See footnote 4 to Summary 1.A.

⁽⁴⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

SUMMARY 2 SUMMARY REPORT FOR CO₂ EQUIVALENT EMISSIONS
(Sheet 1 of 1)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	Total
	CO ₂ equivalent (Gg)						
Total (Net Emissions)⁽¹⁾	57,393,90	5,900,64	10,255,91	3,22	0,00	88,93	73,642,61
1. Energy	56,893,20	541,77	856,91				58,291,88
A. Fuel Combustion (Sectoral Approach)	56,382,42	250,18	854,13				57,486,73
1. Energy Industries	29,777,85	26,05	308,22				30,112,13
2. Manufacturing Industries and Construction	6,466,89	15,76	125,22				6,607,88
3. Transport	10,992,74	61,06	202,81				11,256,61
4. Other Sectors	9,004,15	147,13	215,98				9,367,26
5. Other	140,79	0,17	1,89				142,85
B. Fugitive Emissions from Fuels	510,78	291,59	2,78				805,16
1. Solid Fuels	0,00	82,78	0,00				82,78
2. Oil and Natural Gas	510,78	208,81	2,78				722,37
2. Industrial Processes	1,300,49	0,00	0,00	3,22	0,00	88,93	1,392,64
A. Mineral Products	1,300,49	0,00	0,00				1,300,49
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00		0,00	31,07	31,07
D. Other Production	0,00						0,00
E. Production of Halocarbons and SF ₆				0,00	0,00	0,00	0,00
F. Consumption of Halocarbons and SF ₆				3,22	0,00	57,86	61,09
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	121,22		0,00				121,22
4. Agriculture	0,00	3,998,07	9,399,00				13,397,07
A. Enteric Fermentation		3,073,65					3,073,65
B. Manure Management		924,42	480,73				1,405,15
C. Rice Cultivation		0,00					0,00
D. Agricultural Soils ⁽²⁾		0,00	8,918,27				8,918,27
E. Prescribed Burning of Savannas		0,00	0,00				0,00
F. Field Burning of Agricultural Residues		0,00	0,00				0,00
G. Other		0,00	0,00				0,00
5. Land-Use Change and Forestry⁽¹⁾	-921,00	0,00	0,00				-921,00
6. Waste	0,00	1,360,80	0,00				1,360,80
A. Solid Waste Disposal on Land	0,00	1,360,80					1,360,80
B. Wastewater Handling		0,00	0,00				0,00
C. Waste Incineration	0,00	0,00	0,00				0,00
D. Other	0,00	0,00	0,00				0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:							
International Bunkers	4,614,20	2,17	77,46				4,693,83
Aviation	1,718,79	0,79	20,96				1,740,54
Marine	2,895,41	1,38	56,50				2,953,29
Multilateral Operations	0,00	0,00	0,00				0,00
CO₂ Emissions from Biomass	4,959,19						4,959,19

⁽¹⁾ For CO₂ emissions from Land-Use Change and Forestry the net emissions are to be reported. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions / removals	CH ₄	N ₂ O	Total emissions
	CO ₂ equivalent (Gg)					
Land-Use Change and Forestry						
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-921,00	-921,00			-921,00
B. Forest and Grassland Conversion	0,00		0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00			0,00
D. CO ₂ Emissions and Removals from Soil	0,00	0,00	0,00			0,00
E. Other	0,00	0,00	0,00	0,00	0,00	0,00
Total CO₂ Equivalent Emissions from Land-Use Change and Forestry	0,00	-921,00	-921,00	0,00	0,00	-921,00

Total CO₂ Equivalent Emissions without Land-Use Change and Forestry^(a) 74.563,61

Total CO₂ Equivalent Emissions with Land-Use Change and Forestry^(a) 73.642,61

^(a) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 1 of 2)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
1. Energy												
A. Fuel Combustion												
1. Energy Industries												
2. Manufacturing Industries and Construction												
3. Transport												
4. Other Sectors												
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
2. Oil and Natural Gas												
2. Industrial Processes												
A. Mineral Products												
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF ₆												
F. Consumption of Halocarbons and SF ₆												
G. Other												

⁽¹⁾ Use the following notation keys to specify the method applied: D (IPCC default), RA (Reference Approach), T1 (IPCC Tier 1), T1a, T1b, T1c (IPCC Tier 1a, Tier 1b and Tier 1c, respectively), T2 (IPCC Tier 2), T3 (IPCC Tier 3), C (CORINAIR), CS (Country Specific), M (Model). If using more than one method, enumerate the relevant methods. Explanations of any modifications to the default IPCC methods, as well as information on the proper use of methods per source category where more than one method is indicated, and explanations on the country specific methods, should be provided in the documentation box of the relevant Sectoral background data table.

⁽²⁾ Use the following notation keys to specify the emission factor used: D (IPCC default), C (CORINAIR), CS (Country Specific), PS (Plant Specific), M (Model). Where a mix of emission factors has been used, use different notations in one and the same cells with further explanation in the documentation box of the relevant Sectoral background data table.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 2 of 2)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation												
B. Manure Management												
C. Rice Cultivation												
D. Agricultural Soils												
E. Prescribed Burning of Savannas												
F. Field Burning of Agricultural Residues												
G. Other												
5. Land-Use Change and Forestry												
A. Changes in Forest and Other Woody Biomass Stocks												
B. Forest and Grassland Conversion												
C. Abandonment of Managed Lands												
D. CO ₂ Emissions and Removals from Soil												
E. Other												
6. Waste												
A. Solid Waste Disposal on Land												
B. Wastewater Handling												
C. Waste Incineration												
D. Other												
7. Other (please specify) <input type="checkbox"/>												

TABLE 7 OVERVIEW TABLE⁽¹⁾ FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 1 of 3)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
Total National Emissions and Removals																					
1 Energy																					
A. Fuel Combustion Activities																					
Reference Approach																					
Sectoral Approach																					
1. Energy Industries																					
2. Manufacturing Industries and Construction																					
3. Transport																					
4. Other Sectors																					
5. Other																					
B. Fugitive Emissions from Fuels																					
1. Solid Fuels																					
2. Oil and Natural Gas																					
2 Industrial Processes																					
A. Mineral Products																					
B. Chemical Industry																					
C. Metal Production																					
D. Other Production																					
E. Production of Halocarbons and SF ₆																					

⁽¹⁾ This table is intended to be used by Parties to summarize their own assessment of completeness (e.g. partial, full estimate, not estimated) and quality (high, medium, low) of major source/sink inventory estimates. The latter could be understood as a quality assessment of the uncertainty of the estimates. This table might change once the IPCC completes its work on managing uncertainties of GHG inventories. The title of the table was kept for consistency with the current table in the IPCC Guidelines.

Note: To fill in the table use the notation key as given in the IPCC Guidelines (Volume 1. Reporting Instructions, Tables. 37).

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 2 of 3)

Denmark
 1992
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
2 Industrial Processes (continued)																					
F. Consumption of Halocarbons and SF ₆																					
Potential ⁽²⁾																					
Actual ⁽³⁾																					
G. Other																					
3 Solvent and Other Product Use																					
4 Agriculture																					
A. Enteric Fermentation																					
B. Manure Management																					
C. Rice Cultivation																					
D. Agricultural Soils																					
E. Prescribed Burning of Savannas																					
F. Field Burning of Agricultural Residues																					
G. Other																					
5 Land-Use Change and Forestry																					
A. Changes in Forest and Other Woody Biomass Stocks																					
B. Forest and Grassland Conversion																					

⁽²⁾ Potential emissions based on Tier 1 approach of the IPCC Guidelines.

⁽³⁾ Actual emissions based on Tier 2 approach of the IPCC Guidelines.

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 3 of 3)

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
5 Land-Use Change and Forestry (continued)																					
C. Abandonment of Managed Lands																					
D. CO ₂ Emissions and Removals from Soil																					
E. Other																					
6 Waste																					
A. Solid Waste Disposal on Land																					
B. Wastewater Handling																					
C. Waste Incineration																					
D. Other																					
7 Other (please specify)																					
Memo Items:																					
International Bunkers																					
Aviation																					
Marine																					
Multilateral Operations																					
CO ₂ Emissions from Biomass																					

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated
(Sheet 1 of 2)

year:

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO2			CH4			N2O		
		Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
		CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
Total National Emissions and Removals		57,267,70	57,393,90	0,22	5,896,17	5,900,64	0,08	10,071,90	10,255,91	1,83
1. Energy		56,761,05	56,893,20	0,23	537,39	541,77	0,82	672,70	856,91	27,38
1.A.	Fuel Combustion Activities	56,250,27	56,382,42	0,23	246,75	250,18	1,39	669,60	854,13	27,56
1.A.1.	Energy Industries	29,777,85	29,777,85	0,00	26,04	26,05	0,04	306,90	308,22	0,43
1.A.2.	Manufacturing Industries and Construction	6,217,77	6,466,89	4,01	13,44	15,76	17,28	55,80	125,22	124,42
1.A.3.	Transport	11,373,44	10,992,74	-3,35	61,11	61,06	-0,09	207,70	202,81	-2,35
1.A.4.	Other Sectors	8,740,40	9,004,15	3,02	145,95	147,13	0,81	96,10	215,98	124,75
1.A.5.	Other	140,81	140,79	-0,02	0,21	0,17	-16,78	0,00	1,89	0,00
1.B.	Fugitive Emissions from Fuels	510,78	510,78	0,00	290,64	291,59	0,33	3,10	2,78	-10,23
1.B.1.	Solid fuel	0,00	0,00	0,00	82,74	82,78	0,05	0,00	0,00	0,00
1.B.2.	Oil and Natural Gas	510,78	510,78	0,00	207,90	208,81	0,44	3,10	2,78	-10,23
2. Industrial Processes		1,300,49	1,300,49	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.A.	Mineral Products	1,300,49	1,300,49	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.B.	Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.C.	Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.D.	Other Production	0,00	0,00	0,00						
2.G.	Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use		129,16	121,22	-6,15				0,00	0,00	0,00
4. Agriculture		0,00	0,00	0,00	3,997,98	3,998,07	0,00	9,399,20	9,399,00	0,00
4.A.	Enteric Fermentation				3,073,56	3,073,65	0,00			
4.B.	Manure Management				924,42	924,42	0,00	480,50	480,73	0,05
4.C.	Rice Cultivation				0,00	0,00	0,00			
4.D.	Agricultural Soils (2)			0,00	0,00	0,00	0,00	8,918,70	8,918,27	0,00
4.E.	Prescribed Burning of Savannas				0,00	0,00	0,00	0,00	0,00	0,00
4.F.	Field Burning of Agricultural Residues				0,00	0,00	0,00	0,00	0,00	0,00
4.G.	Other				0,00	0,00	0,00	0,00	0,00	0,00
5. Land-Use Change and Forestry (net)		-923,00	-921,00	-0,22	0,00	0,00	0,00	0,00	0,00	0,00
5.A.	Changes in Forest and Other Woody Biomass Stocks	-923,00	-921,00	-0,22						
5.B.	Forest and Grassland Conversion			0,00			0,00			0,00
5.C.	Abandonment of Managed Lands			0,00						
5.D.	CO2 Emissions and Removals from Soil			0,00						
5.E.	Other			0,00			0,00			0,00

⁽¹⁾ Estimate the percentage change due to recalculation with respect to the previous submission (Percentage change = 100% x [(LS-PS)/PS], where LS = Latest submission and PS = Previous submission. All cases of recalculation of the estimate of the source/sink category, should be addressed and explained in Table 8(b) of this common reporting format.

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated
(Sheet 2 of 2)

year: 2001

Denmark
1992
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO2			CH4			N2O		
	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
6. Waste	0,00	0,00	0,00	1.360,80	1.360,80	0,00	0,00	0,00	0,00
6.A. Solid Waste Disposal on Land	0,00	0,00	0,00	1.360,80	1.360,80	0,00			
6.B. Wastewater Handling				0,00	0,00	0,00	0,00	0,00	0,00
6.C. Waste Incineration	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
6.D. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00			0,00			0,00
Memo Items:									
International Bunkers	4.677,21	4.614,20	-1,35	2,94	2,17	-26,23	71,30	77,46	8,65
Multilateral Operations	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
CO2 Emissions from Biomass	4.852,47	4.959,19	2,20						

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFCs			PFCs			SF6		
	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
Total Actual Emissions	3,82	3,22	-15,70	0,00	0,00	0,00	114,72	88,93	-22,48
2.C.3. Aluminium Production				0,00	0,00	0,00	31,07	31,07	0,00
2.E. Production of Halocarbons and SF6	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.F. Consumption of Halocarbons and SF6	3,82	3,22	-15,70	0,00	0,00	0,00	83,65	57,86	-30,83
Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential Emissions from Consumption of HFCs/PFCs and SF6		3,02		0,00	0,00		358,50	327,43	

	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)
Total CO2 Equivalent Emissions with Land-Use Change and Forestry (3)	73.354,32	73.642,61	0,39
Total CO2 Equivalent Emissions without Land-Use Change and Forestry (3)	74.277,32	74.563,61	0,39

(3) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Denmark
 1992
 April 11, 2001

Specify the sector and source/sink category ⁽¹⁾ where changes in estimates have occurred:	GHG	RECALCULATION DUE TO			
		CHANGES IN:			Addition/removal/ replacement of source/sink categories
		Methods ⁽²⁾	Emission factors ⁽²⁾	Activity data ⁽²⁾	

⁽¹⁾ Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table (see Table 8(a)).

⁽²⁾ Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in Table 8(a). Include relevant changes in the assumptions and coefficients under the "Methods" column.

Documentation box: Use the documentation box to report the justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory.

TABLE 9 COMPLETENESS
(Sheet 1 of 2)

Denmark
1992
April 11, 2001

Sources and sinks not reported (NE) ⁽¹⁾				
GHG	Sector ⁽²⁾	Source/sink category ⁽²⁾	Explanation	
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				
Sources and sinks reported elsewhere (IE) ⁽³⁾				
GHG	Source/sink category	Allocation as per IPCC Guidelines	Allocation used by the Party	Explanation
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				


⁽¹⁾ Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.

⁽²⁾ Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).

⁽³⁾ Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.

TABLE 9 COMPLETENESS
(Sheet 2 of 2)

Denmark
 1992
 April 11, 2001

Additional GHG emissions reported ⁽⁴⁾						
GHG 	Source category	Emissions (Gg)	Estimated GWP value (100-year horizon)	Emissions CO ₂ equivalent (Gg)	Reference to the data source of GWP value	Explanation

⁽⁴⁾ Parties are encouraged to provide information on emissions of greenhouse gases whose GWP values have not yet been agreed upon by the COP. Please include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

TABLE 11 CHECK LIST OF REPORTED INVENTORY INFORMATION ⁽¹⁾									
Party: Denmark			Year: 1992						
Contact info:	Focal point for national GHG inventories:	Jytte Boll Illerup, National Environmental Research Institute							
	Address:	P.O. Box 358, Department of Policy Analysis, DK-4000 Roskilde							
	Telephone:	0045 46301289	Fax:	0045 46301212	E-mail:	jbi@dmu.dk			
	Main institution preparing the inventory:	National Environmental Research Institute, Ministry of Environment and Energy							
General info:	Date of submission:	11-apr-01							
	Base years:	1990	PFCs, HFCs, SF6:	1995					
	Year covered in the submission:	1990-1999							
	Gases covered:	CO2, CH4, N2O, NOx, CO, NMVOC, SO2, HFCs, PFCs, SF6							
Omissions in geographic coverage:	Denmark								
Tables:	Sectoral report tables:	<input checked="" type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	Sectoral background data tables:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Summary 1 (IPCC Summary tables):		IPCC Table 7A:		<input checked="" type="checkbox"/>	IPCC Table 7B:		<input checked="" type="checkbox"/>	
	Summary 2 (CO ₂ equivalent emissions):				<input checked="" type="checkbox"/>				
	Summary 3 (Methods/Emission factors):				<input type="checkbox"/>				
	Uncertainty:		IPCC Table 8A:			National information:		<input type="checkbox"/>	
	Recalculation tables:				<input checked="" type="checkbox"/>				
	Completeness table:				<input type="checkbox"/>				
Trend table:				<input checked="" type="checkbox"/>					
CO ₂	Comparison of CO ₂ from fuel combustion:	<input type="checkbox"/>	Worksheet 1-1	Percentage of difference	-100,00			Explanation of differences	<input type="checkbox"/>
Recalculation:	CO ₂	<input type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	CH ₄	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	N ₂ O	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	HFCs, PFCs, SF ₆	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Explanations:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Recalculation tables for all recalculated years:				<input type="checkbox"/>				
Full CRF for the recalculated base year:				<input type="checkbox"/>					
HFCs, PFCs, SF ₆ :	Disaggregation by species:	<input checked="" type="checkbox"/>	HFCs	PFCs	SF6				
	Production of Halocarbons/SF ₆ :	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
	Consumption of Halocarbons/SF ₆ :	<input type="checkbox"/>	Actual	Potential	Actual	Potential	Actual	Potential	
	Potential/Actual emission ratio:		0,00		0,00		0,00		
Reference to National Inventory Report and/or national inventory web site:	http://www.dmu.dk/1_english/1_viden/2_Miljoe-tilstand/3_lufv/4_adaei/default.asp								

CRF - Common Reporting Format.
LUCF - Land-Use Change and Forestry.

⁽¹⁾ For each omission, give an explanation for the reasons by inserting a comment to the corresponding cell.

Appendix 1.1

Annual emission inventories 1991

CRF tables for Denmark

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 1 of 2)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Energy	62,367,40	25,63	2,85	312,53	716,28	124,30	241,28
A. Fuel Combustion Activities (Sectoral Approach)	61,872,81	11,86	2,84	312,53	673,91	112,66	241,28
1. Energy Industries	35,142,39	1,29	1,15	135,29	9,39	1,39	188,45
a. Public Electricity and Heat Production	33,654,38	1,06	1,12	130,97	8,94	1,24	182,17
b. Petroleum Refining	1,488,01	0,23	0,03	4,32	0,46	0,15	6,28
c. Manufacture of Solid Fuels and Other Energy Industries	0,00	0,00	0,00				
2. Manufacturing Industries and Construction	6,369,24	0,76	0,41	22,43	14,59	4,20	23,97
a. Iron and Steel	0,00	0,00	0,00				
b. Non-Ferrous Metals	0,00	0,00	0,00				
c. Chemicals	0,00	0,00	0,00				
d. Pulp, Paper and Print	0,00	0,00	0,00				
e. Food Processing, Beverages and Tobacco	0,00	0,00	0,00				
f. Other (please specify)	6,369,24	0,76	0,41	22,43	14,59	4,20	23,97
Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.				22,43	14,59	4,20	23,97
3. Transport	10,873,45	2,88	0,56	113,42	495,87	89,36	14,38
a. Civil Aviation	170,55	0,01	0,01	0,82	0,99	0,17	0,01
b. Road Transportation	9,765,45	2,79	0,50	98,93	484,97	83,90	6,07
c. Railways	302,96	0,02	0,01	2,83	0,52	0,19	0,38
d. Navigation	634,48	0,06	0,05	10,83	9,38	5,10	7,91
e. Other Transportation (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 2 of 2)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
4. Other Sectors	9,201,05	6,92	0,71	39,73	152,98	17,48	14,32
a. Commercial/Institutional	1,424,89	0,26	0,03	1,19	3,79	0,28	1,49
b. Residential	5,271,42	6,43	0,18	5,15	128,06	12,49	7,13
c. Agriculture/Forestry/Fisheries	2,504,74	0,24	0,50	33,39	21,13	4,72	5,70
5. Other (please specify) ⁽¹⁾	286,69	0,02	0,01	1,66	1,08	0,22	0,16
a. Stationary	0,00	0,00	0,00	0,00	0,00	0,00	0,00
b. Mobile	286,69	0,02	0,01	1,66	1,08	0,22	0,16
Emissions from military combustion of fuels.							
	286,69	0,02	0,01	1,66	1,08	0,22	0,16
B. Fugitive Emissions from Fuels	494,59	13,77	0,01	0,00	42,37	11,64	0,00
1. Solid Fuels	0,00	3,87	0,00	0,00	42,37	0,00	0,00
a. Coal Mining	0,00	0,00					
b. Solid Fuel Transformation	0,00	0,00					
c. Other (please specify)	0,00	3,87	0,00	0,00	42,37	0,00	0,00
Storage of solid fuel.					42,37		
2. Oil and Natural Gas	494,59	9,89	0,01	0,00	0,00	11,64	0,00
a. Oil	0,00	0,04				7,57	
b. Natural Gas	0,00	8,45				3,31	
c. Venting and Flaring	494,59	1,40	0,01	0,00	0,00	0,76	0,00
Venting	0,00	0,00				0,76	
Flaring	494,59	1,40	0,01				
d. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items: ⁽²⁾							
International Bunkers	4,432,49	0,10	0,24	82,58	8,18	2,39	46,38
Aviation	1,660,77	0,03	0,06	6,75	1,73	0,36	0,11
Marine	2,771,72	0,06	0,17	75,83	6,45	2,03	46,27
Multilateral Operations	0,00	0,00	0,00				
CO₂ Emissions from Biomass	4,610,14						

⁽¹⁾ Include military fuel use under this category.

⁽²⁾ Please do not include in energy totals.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 1 of 4)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	(¹)	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A. Fuel Combustion	811.865,90	NCV				61.872,81	11,86	2,84
Liquid Fuels	333.208,70	NCV	72,35	11,60	4,64	24.106,76	3,87	1,55
Solid Fuels	346.537,40	NCV	95,00	2,59	3,00	32.921,05	0,90	1,04
Gaseous Fuels	84.631,80	NCV	56,87	5,75	1,00	4.813,16	0,49	0,08
Biomass	47.050,40	NCV	97,98	139,60	3,62 ⁽³⁾	4.610,14	6,57	0,17
Other Fuels	437,60	NCV	72,77	105,70	0,51	31,84	0,05	0,00
I.A.1. Energy Industries	426.390,00	NCV				35.142,39	1,29	1,15
Liquid Fuels	46.660,00	NCV	53,59	2,25	1,03	2.500,57	0,11	0,05
Solid Fuels	325.290,00	NCV	95,00	1,78	3,00	30.902,55	0,58	0,98
Gaseous Fuels	30.580,00	NCV	56,88	7,84	1,00	1.739,27	0,24	0,03
Biomass	23.860,00	NCV	95,90	15,20	4,00 ⁽³⁾	2.288,16	0,36	0,10
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Public Electricity and Heat Production	401.010,00	NCV				33.654,38	1,06	1,12
Liquid Fuels	30.130,00	NCV	50,32	1,36	0,98	1.516,12	0,04	0,03
Solid Fuels	325.290,00	NCV	95,00	1,78	3,00	30.902,55	0,58	0,98
Gaseous Fuels	21.730,00	NCV	56,87	3,51	1,00	1.235,70	0,08	0,02
Biomass	23.860,00	NCV	95,90	15,20	4,00 ⁽³⁾	2.288,16	0,36	0,10
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Petroleum Refining	25.380,00	NCV				1.488,01	0,23	0,03
Liquid Fuels	16.530,00	NCV	59,56	3,87	1,13	984,45	0,06	0,02
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	8.850,00	NCV	56,90	18,46	1,00	503,57	0,16	0,01
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Manufacture of Solid Fuels and Other Energy Industries	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

(1)

(2) Accurate estimation of CH₄ and N₂O emissions depends on combustion conditions, technology, and emission control policy, as well as fuel characteristics. Therefore, caution should be used when comparing the implied emission factors.

(3) Carbon dioxide emissions from biomass are reported under Memo Items. The content of the cells is not included in the totals.

Note: For the coverage of fuel categories, please refer to the IPCC Guidelines (Volume 1. Reporting Instructions - Common Reporting Framework, section 1.2, p. 1.19). If some derived gases (e.g. gas work gas, coke oven gas, blast gas, oxygen steel furnace gas, etc.) are considered, Parties should provide information on the allocation of these derived gases under the above fuel categories (liquid, solid, gaseous, biomass, other fuels) in the documentation box at the end of sheet 4 of this table.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 2 of 4)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.2 Manufacturing Industries and Construction	90.151,15	NCV				6.369,24	0,76	0,41
Liquid Fuels	46.479,25	NCV	76,78	5,48	6,80	3.568,74	0,25	0,32
Solid Fuels	17.002,00	NCV	95,00	15,00	3,00	1.615,19	0,26	0,05
Gaseous Fuels	20.831,50	NCV	56,90	4,00	1,00	1.185,31	0,08	0,02
Biomass	5.838,40	NCV	96,77	28,75	3,65 ⁽³⁾	564,98	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Iron and Steel	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Non-Ferrous Metals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Chemicals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
d. Pulp, Paper and Print	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
e. Food Processing, Beverages and Tobacco	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
f. Other (please specify)	90.151,15	NCV				6.369,24	0,76	0,41
Liquid Fuels	46.479,25	NCV	76,78	5,48	6,80	3.568,74	0,25	0,32
Solid Fuels	17.002,00	NCV	95,00	15,00	3,00	1.615,19	0,26	0,05
Gaseous Fuels	20.831,50	NCV	56,90	4,00	1,00	1.185,31	0,08	0,02
Biomass	5.838,40	NCV	96,77	28,75	3,65 ⁽³⁾	564,98	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 3 of 4)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.3 Transport	147.743,04	NCV				10.873,45	2,88	0,56
Gasoline	73.982,07	NCV	72,97	33,03	3,60	5.398,43	2,44	0,27
Diesel	73.323,37	NCV	74,24	5,27	4,04	5.443,17	0,39	0,30
Natural Gas	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾	0,00	0,00	0,00
Other Fuels	437,60	NCV	72,77	105,70	0,51	31,84	0,05	0,00
a. Civil Aviation	2.367,33	NCV				170,55	0,01	0,01
Aviation Gasoline	105,33	NCV	73,00	21,90	2,00	7,69	0,00	0,00
Jet Kerosene	2.262,00	NCV	72,00	1,67	3,69	162,86	0,00	0,01
b. Road Transportation	132.934,85	NCV				9.765,45	2,79	0,50
Gasoline	71.614,74	NCV	73,00	34,04	3,60	5.227,88	2,44	0,26
Diesel Oil	61.307,44	NCV	74,00	5,75	3,95	4.536,75	0,35	0,24
Natural Gas	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels (please specify)	12,67	NCV				0,82	0,00	0,00
LPG		NCV	0,00	0,00	0,00			
	12,67	NCV	65,00	25,25	0,00	0,82	0,00	0,00
c. Railways	4.094,38	NCV				302,96	0,02	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Liquid Fuels	4.094,38	NCV	74,00	4,87	2,05	302,96	0,02	0,01
Other Fuels (please specify)	0,00	NCV				0,00	0,00	0,00
	0,00	NCV	0,00	0,00	0,00			
d. Navigation	8.346,49	NCV				634,48	0,06	0,05
Coal	0,00	NCV	0,00	0,00	0,00			
Residual Oil	4.316,74	NCV	78,00	1,76	4,89	336,71	0,01	0,02
Gas/Diesel Oil	3.604,82	NCV	74,00	1,90	6,75	266,75	0,01	0,02
Other Fuels (please specify)	424,93	NCV				31,02	0,05	0,00
Kerosene, Gasoline, LPG		NCV	0,00	0,00	0,00			
	424,93	NCV	73,00	108,10	0,52	31,02	0,05	0,00
e. Other Transportation	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 4 of 4)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.4 Other Sectors	147,581,71	NCV				9,201,05	6,92	0,71
Liquid Fuels	92,764,01	NCV	74,48	7,11	6,54	6,909,16	0,66	0,61
Solid Fuels	4,245,40	NCV	95,00	15,00	3,00	403,31	0,06	0,01
Gaseous Fuels	33,220,30	NCV	56,85	4,92	1,00	1,888,57	0,16	0,03
Biomass	17,352,00	NCV	101,26	347,97	3,09 ⁽³⁾	1,757,01	6,04	0,05
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Commercial/Institutional	22,047,00	NCV				1,424,89	0,26	0,03
Liquid Fuels	11,671,00	NCV	74,44	6,62	2,00	868,79	0,08	0,02
Solid Fuels	10,00	NCV	95,00	15,00	3,00	0,95	0,00	0,00
Gaseous Fuels	9,765,00	NCV	56,85	5,00	1,00	555,14	0,05	0,01
Biomass	601,00	NCV	80,99	215,97	2,07 ⁽³⁾	48,67	0,13	0,00
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Residential	90,105,38	NCV				5,271,42	6,43	0,18
Liquid Fuels	53,435,48	NCV	74,25	8,74	2,00	3,967,80	0,47	0,11
Solid Fuels	1,290,00	NCV	95,00	15,00	3,00	122,55	0,02	0,00
Gaseous Fuels	20,775,30	NCV	56,85	5,00	1,00	1,181,08	0,10	0,02
Biomass	14,604,60	NCV	101,98	399,84	3,00 ⁽³⁾	1,489,40	5,84	0,04
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Agriculture/Forestry/Fisheries	35,429,34	NCV				2,504,74	0,24	0,50
Liquid Fuels	27,657,54	NCV	74,94	4,17	17,23	2,072,57	0,12	0,48
Solid Fuels	2,945,40	NCV	95,00	15,00	3,00	279,81	0,04	0,01
Gaseous Fuels	2,680,00	NCV	56,85	4,00	1,00	152,36	0,01	0,00
Biomass	2,146,40	NCV	102,00	32,00	4,00 ⁽³⁾	218,93	0,07	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00			
I.A.5 Other (Not elsewhere specified)⁽⁴⁾	0,00	NCV				286,69	0,02	0,01
Liquid Fuels	0,00	NCV	0,00	0,00	0,00	286,69	0,02	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

⁽⁴⁾ Include military fuel use under this category.

Documentation Box:

I.A.2f note: Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.

TABLE 1.A(b) SECTORAL BACKGROUND DATA FOR ENERGY
CO₂ from Fuel Combustion Activities - Reference Approach (IPCC Worksheet 1-1)
(Sheet 1 of 1)

Denmark
1991
April 11, 2001

FUEL TYPES			Unit	Production	Imports	Exports	International bunkers	Stock change	Apparent consumption	Conversion factor ⁽¹⁾ (TJ/Unit)	⁽¹⁾	Apparent consumption (TJ)	Carbon emission factor (t C/TJ)	Carbon content (Gg C)	Carbon stored (Gg C)	Net carbon emissions (Gg C)	Fraction of carbon oxidized	Actual CO ₂ emissions (Gg CO ₂)	
Liquid Fossil	Primary Fuels	Crude Oil							0,00		NCV	0,00		0,00		0,00		0,00	
		Orimulsion							0,00		NCV	0,00		0,00		0,00		0,00	
		Natural Gas Liquids							0,00		NCV	0,00		0,00		0,00		0,00	
	Secondary Fuels	Gasoline								0,00		NCV	0,00		0,00		0,00		0,00
		Jet Kerosene								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Other Kerosene								0,00		NCV	0,00		0,00		0,00		0,00
		Shale Oil								0,00		NCV	0,00		0,00		0,00		0,00
		Gas / Diesel Oil								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Residual Fuel Oil								0,00		NCV	0,00		0,00		0,00		0,00
		LPG								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Ethane								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Naphtha								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Bitumen								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Lubricants								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Petroleum Coke								0,00		NCV	0,00		0,00		0,00		0,00
		Refinery Feedstocks								0,00		NCV	0,00		0,00		0,00		0,00
		Other Oil								0,00		NCV	0,00		0,00		0,00		0,00
Liquid Fossil Totals												0,00		0,00	0,00	0,00		0,00	
Solid Fossil	Primary Fuels	Anthracite ⁽²⁾							0,00		NCV	0,00		0,00		0,00		0,00	
		Coking Coal							0,00		NCV	0,00		0,00	0,00	0,00		0,00	
		Other Bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Sub-bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Lignite							0,00		NCV	0,00		0,00		0,00		0,00	
		Oil Shale							0,00		NCV	0,00		0,00		0,00		0,00	
	Peat							0,00		NCV	0,00		0,00		0,00		0,00		
	Secondary Fuels	BKB & Patent Fuel							0,00		NCV	0,00		0,00		0,00		0,00	
		Coke Oven/Gas Coke							0,00		NCV	0,00		0,00		0,00		0,00	
Solid Fuel Totals												0,00		0,00	0,00	0,00		0,00	
Gaseous Fossil	Natural Gas (Dry)							0,00		NCV	0,00		0,00	0,00	0,00	0,00		0,00	
Total												0,00		0,00	0,00	0,00		0,00	
Biomass total												0,00		0,00	0,00	0,00		0,00	
	Solid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Liquid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Gas Biomass								0,00		NCV	0,00		0,00		0,00		0,00	

⁽¹⁾ To convert quantities expressed in natural units to energy units, use net calorific values (NCV). If gross calorific values (GCV) are used in this table, please indicate this by replacing "NCV" with "GCV" in this column.

⁽²⁾ If Anthracite is not separately available, include with Other Bituminous Coal.

TABLE 1.A(c) COMPARISON OF CO₂ EMISSIONS FROM FUEL COMBUSTION
(Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

FUEL TYPES	Reference approach		National approach ⁽¹⁾		Difference ⁽²⁾	
	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (%)	CO ₂ emissions (%)
Liquid Fuels (excluding international bunkers)	0,00	0,00	333,21	24.106,76	-100,00	-100,00
Solid Fuels (excluding international bunkers)	0,00	0,00	346,54	32.921,05	-100,00	-100,00
Gaseous Fuels	0,00	0,00	84,63	4.813,16	-100,00	-100,00
Other ⁽³⁾			0,44	31,84	-100,00	-100,00
Total ⁽³⁾	0,00	0,00	764,82	61.872,81	-100,00	-100,00

⁽¹⁾ "National approach" is used to indicate the approach (if different from the Reference approach) followed by the Party to estimate its CO₂ emissions from fuel combustion reported in the national GHG inventory.

⁽²⁾ Difference of the Reference approach over the National approach (i.e. difference = 100% x ((RA-NA)/NA), where NA = National approach and RA = Reference approach).

⁽³⁾ Emissions from biomass are not included.

Note: In addition to estimating CO₂ emissions from fuel combustion by sector, Parties should also estimate these emissions using the IPCC Reference approach, as found in the IPCC Guidelines, Worksheet 1-1(Volume 2. Workbook). The Reference approach is to assist in verifying the sectoral data. Parties should also complete the above tables to compare the alternative estimates, and if the emission estimates lie more than 2 percent apart, should explain the source of this difference in the documentation box provided.

Documentation Box:

TABLE 1.A(d) SECTORAL BACKGROUND DATA FOR ENERGY
Feedstocks and Non-Energy Use of Fuels
(Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

FUEL TYPE ⁽¹⁾	ACTIVITY DATA AND RELATED INFORMATION		IMPLIED EMISSION FACTOR	ESTIMATE
	Fuel quantity (TJ)	Fraction of carbon stored	Carbon emission factor (t C/TJ)	of carbon stored in non energy use of fuels (Gg C)
Naphtha ⁽²⁾			0,00	
Lubricants			0,00	
Bitumen			0,00	
Coal Oils and Tars (from Coking Coal)			0,00	
Natural Gas ⁽²⁾			0,00	
Gas/Diesel Oil ⁽²⁾			0,00	
LPG ⁽²⁾			0,00	
Butane ⁽²⁾			0,00	
Ethane ⁽²⁾			0,00	
Other (please specify) <input type="text"/>				
			0,00	

Additional information ^(a)

CO ₂ not emitted (Gg CO ₂)	Subtracted from energy sector (specify source category)
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	

⁽¹⁾ Where fuels are used in different industries, please enter in different rows.
⁽²⁾ Enter these fuels when they are used as feedstocks.

^(a) The fuel lines continue from the table to the left.

Note: The table is consistent with the IPCC Guidelines. Parties that take into account the emissions associated with the use and disposal of these feedstocks could continue to use their methodology, and provide explanation notes in the documentation box below.

Documentation box: A fraction of energy carriers is stored in such products as plastics or asphalt. The non-stored fraction of the carbon in the energy carrier or product is oxidized, resulting in carbon dioxide emissions, either during the use of the energy carriers in the industrial production (e.g. fertilizer production), or during the use of the products (e.g. solvents, lubricants), or in both (e.g. monomers). To report associated emissions use the above table, filling an extra "Additional information" table, as shown below.	
Associated CO ₂ emissions (Gg)	Allocated under <input type="text"/> ^(a) e.g. Industrial Processes, Waste Incineration, etc. (Specify source category) ^(a)

TABLE 1.B.1 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Solid Fuels
(Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTOR		EMISSIONS	
	Amount of fuel produced ⁽¹⁾	CH ₄	CO ₂	CH ₄	CO ₂
	(Mt)	(kg/t)	(kg/t)	(Gg)	(Gg)
1. B. 1. a. Coal Mining and Handling	0,00			0,00	0,00
i. Underground Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
ii. Surface Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
1. B. 1. b. Solid Fuel Transformation	0,00	0,00	0,00		
1. B. 1. c. Other (please specify) ⁽³⁾ <input type="button" value=""/>				3,87	0,00
Storage of solid fuel.		0,00	0,00		
	12,50	0,31	0,00	3,87	

⁽¹⁾ Use the documentation box to specify whether the fuel amount is based on the run-of-mine (ROM) production or on the saleable production.

⁽²⁾ Emissions both for Mining Activities and Post-Mining Activities are calculated with the activity data in lines Underground Mines and Surface Mines respectively.

⁽³⁾ Please click on the button to enter any other solid fuel related activities resulting in fugitive emissions, such as emissions from abandoned mines and waste piles.

Note: There are no clear references to the coverage of 1.B.1.b. and 1.B.1.c. in the IPCC Guidelines. Make sure that the emissions entered here are not reported elsewhere. If they are reported under another source category, indicate this (IE) and make a reference in Table 9 (completeness) and/or in the documentation box.

Documentation box:

Additional information ^(a)

Description	Value
Amount of CH ₄ drained (recovered) and utilized or flared (Gg)	
Number of active underground mines	
Number of mines with drainage (recovery) systems	

^(a) For underground mines.

TABLE 1.B.2 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Oil and Natural Gas
(Sheet 1 of 1)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA			IMPLIED EMISSION FACTORS			EMISSIONS		
	Description ⁽¹⁾	Unit	Value	CO ₂ (kg/unit) ⁽²⁾	CH ₄ (kg/unit) ⁽²⁾	N ₂ O (kg/unit) ⁽²⁾	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
1. B. 2. a. Oil ⁽³⁾							0,00	0,04	
i. Exploration	(e.g. number of wells drilled)		0,00	0,00	0,00				
ii. Production ⁽⁴⁾	(e.g. PJ of oil produced)		0,00	0,00	0,00				
iii. Transport	(e.g. PJ oil loaded in tankers)		0,00	0,00	0,00				
iv. Refining / Storage	(e.g. PJ oil refined)	Mg	7.798.000	0,00	0,01			0,04	
v. Distribution of oil products	(e.g. PJ oil refined)	Mg product	1.680.139	0,00	0,00				
vi. Other		Mg Crude	0	0,00	0,00				
1. B. 2. b. Natural Gas							0,00	8,45	
Exploration				0,00	0,00				
i. Production ⁽⁴⁾ / Processing	(e.g. PJ gas produced)	1000 m3	0	0,00	0,00				
ii. Transmission	(e.g. PJ gas consumed)	1000 m3	3.800.000	0,00	2,22			8,45	
Distribution	(e.g. PJ gas consumed)			0,00	0,00				
iii. Other Leakage	(e.g. PJ gas consumed)			0,00	0,00				
at industrial plants and power stations				0,00	0,00				
in residential and commercial sectors				0,00	0,00				
1. B. 2. c. Venting ⁽⁵⁾							0,00	0,00	
i. Oil	(e.g. PJ oil produced)			0,00	0,00				
ii. Gas	(e.g. PJ gas produced)			0,00	0,00				
iii. Combined				0,00	0,00				
Flaring							494,59	1,40	0,01
i. Oil	(e.g. PJ gas consumption)	GJ	8.692.203	56,90	0,16	0,00	494,59	1,40	0,01
ii. Gas	(e.g. PJ gas consumption)	GJ	0	0,00	0,00	0,00			
iii. Combined				0,00	0,00	0,00			
1.B.2.d. Other (please specify) ⁽⁶⁾				0,00	0,00	0,00	0,00	0,00	0,00

Additional information

Description	Value	Unit
Pipelines length (km)		
Number of oil wells		
Number of gas wells		
Gas throughput ^(a)		
Oil throughput ^(a)		
Other relevant information (specify)		

^(a) In the context of oil and gas production, throughput is a measure of the total production, such as barrels per day of oil, or cubic meters of gas per year. Specify the units of the reported value in the unit column. Take into account that these values should be consistent with the activity data reported under the production rows of the main table.

⁽¹⁾ Specify the activity data used and fill in the activity data description column, as given in the examples in brackets. Specify the unit of the activity data in the unit column. Use the document box to specify whether the fuel amount is based on the raw material production or on the saleable production. Note cases where more than one variable is used as activity data.

⁽²⁾ The unit of the implied emission factor will depend on the units of the activity data used, and is therefore not specified in this column. The unit of the implied emission factor for each activity will be kg/unit of activity data.

⁽³⁾ Use the category also to cover emissions from combined oil and gas production fields. Natural gas processing and distribution from these fields should be included under 1.B.2.b.ii and 1.B.2.b.iii, respectively.

⁽⁴⁾ If using default emission factors these categories will include emissions from production other than venting and flaring.

⁽⁵⁾ If using default emission factors, emissions from Venting and Flaring from all oil and gas production should be accounted for here. Parties using the IPCC software could report those emissions together, indicating so in the documentation box.

⁽⁶⁾ For example, fugitive CO₂ emissions from production of geothermal power could be reported here.

Documentation box:

TABLE 1.C SECTORAL BACKGROUND DATA FOR ENERGY
International Bunkers and Multilateral Operations
(Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS			EMISSIONS		
	Consumption (TJ)	CO ₂ (t/TJ)	CH ₄ (kg/TJ)	N ₂ O (kg/TJ)	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Marine Bunkers	36,180,50				2,771,72	0,06	0,17
Gasoline	0,00	0,00	0,00	0,00			
Gas/Diesel Oil	12,589,67	74,00	1,69	4,68	931,64	0,02	0,06
Residual Fuel Oil	23,590,83	78,00	1,76	4,89	1,840,08	0,04	0,12
Lubricants	0,00	0,00	0,00	0,00			
Coal	0,00	0,00	0,00	0,00			
Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
		0,00	0,00	0,00			
Aviation Bunkers	23,065,76				1,660,77	0,03	0,06
Jet Kerosene	23,031,30	72,00	1,47	2,81	1,658,25	0,03	0,06
Gasoline	34,46	73,00	21,91	2,00	2,52	0,00	0,00
Multilateral Operations ⁽¹⁾							

Additional information

Fuel consumption	Allocation ^(a) (percent)	
	Domestic	International
Marine	18,74	81,26
Aviation	9,31	90,69

^(a) For calculating the allocation of fuel consumption, use the sums of fuel consumption by domestic navigation and aviation (Table 1.A(a)) and by international bunkers (Table 1.C).

⁽¹⁾ Parties may choose to report or not report the activity data and emission factors for multilateral operation consistent with the principle of confidentiality stated in the UNFCCC reporting guidelines on inventories. In any case, Parties should report the emissions from multilateral operations, where available, under the Memo Items section of the Summary tables and in the Sectoral report table for energy.

Note: In accordance with the IPCC Guidelines, international aviation and marine bunker fuel emissions from fuel sold to ships or aircraft engaged in international transport should be excluded from national totals and reported separately for informational purposes only.

Documentation box: Please explain how the consumption of international marine and aviation bunkers fuels was estimated and separated from the domestic consumption.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 1 of 2)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
Total Industrial Processes	1.178,08	0,00	0,00	0,00	0,00	0,00	0,00	0,01	0,00	0,00	0,00	0,00	0,00
A. Mineral Products	1.178,08	0,00	0,00							0,00	0,00	0,00	0,00
1. Cement Production	1.087,28												
2. Lime Production	90,80												
3. Limestone and Dolomite Use	0,00												
4. Soda Ash Production and Use	0,00												
5. Asphalt Roofing	0,00												
6. Road Paving with Asphalt	0,00												
7. Other (please specify)	0,00	0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Ammonia Production	0,00	0,00											
2. Nitric Acid Production			0,00										
3. Adipic Acid Production			0,00										
4. Carbide Production	0,00	0,00											
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Iron and Steel Production	0,00	0,00											
2. Ferroalloys Production	0,00	0,00											
3. Aluminium Production	0,00	0,00					0,00						
4. SF ₆ Used in Aluminium and Magnesium Foundries									0,00				
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

methods exist for both tiers.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 2 of 2)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
D. Other Production	0,00									0,00	0,00	0,00	0,00
1. Pulp and Paper													
2. Food and Drink ⁽²⁾	0,00												
E. Production of Halocarbons and SF₆					0,00		0,00		0,00				
1. By-product Emissions					0,00		0,00		0,00				
Production of HCFC-22					0,00								
Other					0,00		0,00		0,00				
2. Fugitive Emissions					0,00		0,00		0,00				
3. Other (please specify)					0,00		0,00		0,00				
F. Consumption of Halocarbons and SF₆				0,00	0,00	0,00	0,00	0,01	0,00				
1. Refrigeration and Air Conditioning Equipment				0,00	0,00	0,00	0,00		0,00				
2. Foam Blowing				0,00	0,00		0,00		0,00				
3. Fire Extinguishers					0,00		0,00		0,00				
4. Aerosols/ Metered Dose Inhalers					0,00		0,00		0,00				
5. Solvents					0,00		0,00		0,00				
6. Semiconductor Manufacture					0,00		0,00		0,00				
7. Electrical Equipment								0,00	0,00				
8. Other (please specify)				0,00	0,00	0,00	0,00	0,01	0,00				
Emissions of SF ₆ from (1) window plate production and (2) research laboratories.													
								0,01	0,00				
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	0,00												

⁽²⁾ CO₂ from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO₂ emissions of non-biogenic origin should be reported.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
 (Sheet 1 of 2)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
A. Mineral Products						1,178,08		0,00		0,00	
1. Cement Production	<i>(e.g. cement or clinker production)</i>	1,998,67	0,54			1,087,28					
2. Lime Production		377,72	0,24			90,80					
3. Limestone and Dolomite Use		0,00	0,00								
4. Soda Ash						0,00					
Soda Ash Production		0,00	0,00								
Soda Ash Use			0,00								
5. Asphalt Roofing		0,00	0,00								
6. Road Paving with Asphalt		0,00	0,00								
7. Other <i>(please specify)</i>						0,00		0,00		0,00	
Glass Production			0,00								
		0,00	0,00	0,00	0,00						
B. Chemical Industry						0,00		0,00		0,00	
1. Ammonia Production ⁽³⁾		0,00	0,00	0,00	0,00						
2. Nitric Acid Production		0,00			0,00						
3. Adipic Acid Production		0,00			0,00						
4. Carbide Production			0,00	0,00		0,00		0,00			
Silicon Carbide		0,00	0,00	0,00							
Calcium Carbide			0,00	0,00							
5. Other <i>(please specify)</i>						0,00		0,00		0,00	
Carbon Black				0,00							
Ethylene			0,00	0,00	0,00						
Dichloroethylene				0,00							
Styrene				0,00							
Methanol				0,00							
		0,00	0,00	0,00	0,00						

⁽¹⁾ Where the IPCC Guidelines provide options for activity data, e.g. cement or clinker for estimating the emissions from Cement Production, specify the activity data used (as shown in the example in brackets) in order to make the choice of emission factor more transparent and to facilitate comparisons of implied emission factors.

⁽²⁾ Enter cases in which the final emissions are reduced with the quantities of emission recovery, oxidation, destruction, transformation. Adjusted emissions are reported and the quantitative information on recovery, oxidation, destruction, and transformation should be given in the additional columns provided.

⁽³⁾ To avoid double counting make offsetting deductions from fuel consumption (e.g. natural gas) in Ammonia Production, first for feedstock use of the fuel, and then to a sequestering use of the feedstock.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
(Sheet 2 of 2)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption Quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
C. Metal Production⁽⁴⁾						0,00		0,00		0,00	
1. Iron and Steel Production		0,00	0,00			0,00		0,00			
Steel		0,00	0,00								
Pig Iron		0,00	0,00	0,00							
Sinter		0,00	0,00	0,00							
Coke		0,00	0,00	0,00							
Other (please specify) <input type="checkbox"/>						0,00		0,00			
		0,00	0,00	0,00	0,00						
2. Ferroalloys Production		0,00	0,00	0,00							
3. Aluminium Production		0,00	0,00	0,00							
4. SF ₆ Used in Aluminium and Magnesium Foundries											
5. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00						
D. Other Production						0,00					
1. Pulp and Paper											
2. Food and Drink			0,00								
G. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00	0,00					

⁽⁴⁾ More specific information (e.g. data on virgin and recycled steel production) could be provided in the documentation box.

Note: In case of confidentiality of the activity data information, the entries should provide aggregate figures but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 1 of 2)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mcc	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs ⁽¹⁾	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs ⁽¹⁾	SF ₆
	(t) ⁽²⁾																						
Total Actual Emissions of Halocarbons (by chemical) and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		2,55
C. Metal Production																0,00	0,00						1,30
Aluminium Production																0,00	0,00						
SF ₆ Used in Aluminium Foundries																							0,00
SF ₆ Used in Magnesium Foundries																							1,30
E. Production of Halocarbons and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
1. By-product Emissions	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production of HCFC-22	0,00																						
Other																							
2. Fugitive Emissions																							
3. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
F(a). Consumption of Halocarbons and SF₆ (actual emissions - Tier 2)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		1,25
1. Refrigeration and Air Conditioning Equipment																							
2. Foam Blowing							0,00																
3. Fire Extinguishers																							
4. Aerosols/Metered Dose Inhalers																							
5. Solvents																							
6. Semiconductor Manufacture																							
7. Electrical Equipment																							
8. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		1,25
Emissions of SF ₆ from (1) window plate production and (2) research laboratories.																							
																							1,25
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00

⁽¹⁾ Although shaded, the columns with HFCs and PFCs totals on sheet 1 are kept for consistency with sheet 2 of the table.

⁽²⁾ Note that the units used in this table differ from those used in the rest of the Sectoral report tables, i.e. [t] instead of [Gg].

Note: Where information is confidential the entries should provide aggregate figures but there should be a note indicating this in the relevant documentation boxes of the Sectoral background data tables or as a comment to the corresponding cell. Gases with GWP not yet agreed upon by the COP, should be reported in Table 9 (Completeness), sheet 2.

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 2 of 2)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ea	Total HFCs	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs	SF ₆
	(t) ⁽²⁾																						
F(p). Total Potential Emissions of Halocarbons (by chemical) and SF₆ ⁽³⁾	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production ⁽⁴⁾																							
Import:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Export:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Destroyed amount																							
GWP values used	11700	650	150	1300	2800	1000	1300	140	300	3800	2900	6300	560		6500	9200	7000	7000	8700	7500	7400		23900
Total Actual Emissions ⁽⁶⁾ (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production															0,00	0,00							0,00
E. Production of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F(a). Consumption of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	29,88
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Ratio of Potential/Actual Emissions from Consumption of Halocarbons and SF₆																							
Actual emissions - F(a) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	29,88
Potential emissions - F(p) (7) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential/Actual emissions ratio	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽³⁾ manner corresponding to the subsectors for actual emissions defined on sheet 1 of this table, these should be reported in an annex to sheet 2, using the format of sheet 1, sector F(a). Use Summary 3 of this common reporting format to indicate whether Tier 1a or Tier 1b was used.

⁽⁴⁾ Production refers to production of new chemicals. Recycled substances could be included here, but it should be ensured that double counting of emissions is avoided. Relevant explanations should be provided as a comment to the corresponding cell.

⁽⁵⁾ Relevant just for Tier 1b.

⁽⁶⁾ Sums of the actual emissions of each chemical of halocarbons and SF₆ from the source categories given in sheet 1 of the table multiplied by the corresponding GWP values.

⁽⁷⁾ Potential emissions of each chemical of halocarbons and SF₆ taken from row F(p) multiplied by the corresponding GWP values.

Note: As stated in the revised UNFCCC guidelines, Parties should report actual emissions of HFCs, PFCs and SF₆, where data are available, providing disaggregated data by chemical and source category in units of mass and in CO₂ equivalents. Parties reporting actual emissions should also report potential emissions for the sources where the concept of potential emissions applies, for reasons of transparency and comparability.

TABLE 2(II). C, E SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Metal Production; Production of Halocarbons and SF₆
(Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾ (kg/t)	EMISSIONS ⁽²⁾	
	Description ⁽¹⁾	(t)		(t)	⁽³⁾
C. PFCs and SF₆ from Metal Production					
PFCs from Aluminium Production					
CF ₄			0,00		
C ₂ F ₆			0,00		
SF ₆				1,30	
Aluminium Foundries	(SF ₆ consumption)		0,00		
Magnesium Foundries			0,00	1,30	
E. Production of Halocarbons and SF₆					
1. By-product Emissions					
Production of HCFC-22					
HFC-23			0,00		
Other (specify chemical) <input type="checkbox"/>			0,00		
2. Fugitive Emissions					
HFCs (specify chemical) <input type="checkbox"/>			0,00		
PFCs (specify chemical) <input type="checkbox"/>			0,00		
SF ₆			0,00		
3. Other (please specify) <input type="checkbox"/>			0,00		

⁽¹⁾ Specify the activity data used as shown in the examples within brackets. Where applying Tier 1b (for C), Tier 2 (for E) and country specific methods, specify any other relevant activity data used in the documentation box below.

⁽²⁾ Emissions and implied emission factors are after recovery.









⁽³⁾ Enter cases in which the final emissions are reported after subtracting the quantities of emission recovery, oxidation, destruction, transformation. Enter these quantities in the specified column and use the documentation box for further explanations.

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 1 of 2)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
1 Refrigeration									
Air Conditioning Equipment									
Domestic Refrigeration (<i>Specify chemical</i>) ⁽²⁾ 									
(e.g. HFC-32)									
(e.g. HFC-125)									
(e.g. HFC-134a)									
(e.g. HFC-152a)									
(e.g. HFC-143a)									
Commercial Refrigeration 									
Transport Refrigeration 									
Industrial Refrigeration 									
Stationary Air-Conditioning 									
Mobile Air-Conditioning 									
2 Foam Blowing									
Hard Foam 									
Soft Foam 									

⁽¹⁾ Parties should use the documentation box to provide information on the amount of the chemical recovered (recovery efficiency) and other relevant information used in the emission estimation.

⁽²⁾ Please click on the button to specify the chemical consumed, as given in the example. If needed, new rows could be added for reporting the disaggregated chemicals from a source by clicking on the corresponding button.

Note: Table 2.(II).F provides for reporting of the activity data and emission factors used to calculate actual emissions from consumption of halocarbons and SF₆ using the "bottom-up approach" (based on the total stock of equipment and estimated emission rates from this equipment). Some Parties may prefer to estimate their actual emissions following the alternative "top-down approach" (based on annual sales of equipment and/or gas). These Parties should provide the activity data used in the current format and any other relevant information in the documentation box at the end of Table2(II)Fs2. Data these Parties should provide includes (1) the amount of fluid used to fill new products, (2) the amount of fluid used to service existing products, (3) the amount of fluid originally used to fill retiring products (the total nameplate capacity of retiring products), (4) the product lifetime, and (5) the growth rate of product sales, if this has been used to calculate the amount of fluid originally used to fill retiring products. Alternatively, Parties may provide alternative formats with equivalent information. These formats may be considered for future versions of the common reporting format after the trial period.

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 2 of 2)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
3 Fire Extinguishers <input type="checkbox"/>									
4 Aerosols									
Metered Dose Inhalers <input type="checkbox"/>									
Other <input type="checkbox"/>									
5 Solvents <input type="checkbox"/>									
6 Semiconductors <input type="checkbox"/>									
7 Electric Equipment <input type="checkbox"/>									
8 Other (please specify) <input type="checkbox"/>									

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note indicating this and explanations in the documentation box.

Documentation box:

TABLE 3 SECTORAL REPORT FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark

1991

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	N ₂ O	NM VOC
	(Gg)		
Total Solvent and Other Product Use	122,40	0,00	41,87
A. Paint Application	78,50		25,19
B. Degreasing and Dry Cleaning	0,00		
C. Chemical Products, Manufacture and Processing			2,60
D. Other (please specify)	43,90	0,00	14,09
<i>(Use of N₂O for Anaesthesia)</i>	0,00		
<i>(N₂O from Fire Extinguishers)</i>	0,00		
<i>(N₂O from Aerosol Cans)</i>	0,00		
<i>(Other Use of N₂O)</i>	0,00		
	43,90		14,09

Please account for the quantity of carbon released in the form of NMVOC in both the NMVOC and the CO₂ columns.

Note: The IPCC Guidelines do not provide methodologies for the calculation of emissions of N₂O from Solvent and Other Product Use. If reporting such data, Parties should provide additional information (activity data and emission factors) used to make these estimates in the documentation box to Table 3.A-D.

TABLE 3.A-D SECTORAL BACKGROUND DATA FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS	
	Description	(kt)	CO ₂ (t/t)	N ₂ O (t/t)
A. Paint Application		0,00	0,00	0,00
B. Degreasing and Dry Cleaning		0,00	0,00	0,00
C. Chemical Products, Manufacture and Processing				
D. Other (please specify)⁽¹⁾				
<i>(Use of N₂O for Anaesthesia)</i>		0,00	0,00	0,00
<i>(N₂O from Fire Extinguishers)</i>		0,00	0,00	0,00
<i>(N₂O from Aerosol Cans)</i>		0,00	0,00	0,00
<i>(Other Use of N₂O)</i>		0,00	0,00	0,00

⁽¹⁾ Some probable sources are provided in brackets. Complement the list with other relevant sources. Make sure that the order is the same as in Table 3.

Note: The table follows the format of the IPCC Sectoral Report for Solvent and Other Product Use, although some of the source categories are not relevant to the direct GHG emissions.

Documentation box:

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 1 of 2)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK	CH ₄	N ₂ O	NO _x	CO	NMVOC
CATEGORIES	(Gg)				
Total Agriculture	191,63	32,35	0,00	0,00	1,07
A. Enteric Fermentation	148,64				
1. Cattle	131,89				
Dairy Cattle	77,13				
Non-Dairy Cattle	54,76				
2. Buffalo					
3. Sheep	1,51				
4. Goats					
5. Camels and Llamas					
6. Horses	0,58				
7. Mules and Asses					
8. Swine	14,67				
9. Poultry					
10. Other (please specify)	0,00				
B. Manure Management	42,99	1,51			0,00
1. Cattle	18,08				
Dairy Cattle	15,71				
Non-Dairy Cattle	2,37				
2. Buffalo					
3. Sheep	0,09				
4. Goats					
5. Camels and Llamas					
6. Horses	0,04				
7. Mules and Asses					
8. Swine	24,16				
9. Poultry	0,62				

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 2 of 2)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O	NO _x	CO	NMVOC
	(Gg)				
B. Manure Management (continued)					
10. Anaerobic Lagoons					
11. Liquid Systems		0,22			
12. Solid Storage and Dry Lot		1,30			
13. Other (please specify) <input type="checkbox"/>		0,00			0,00
C. Rice Cultivation	0,00				0,00
1. Irrigated	0,00				
2. Rainfed	0,00				
3. Deep Water	0,00				
4. Other (please specify) <input type="checkbox"/>	0,00				0,00
D. Agricultural Soils ⁽¹⁾	0,00	30,84			1,07
1. Direct Soil Emissions		19,40			1,07
2. Animal Production		1,26			
3. Indirect Emissions		10,06			
4. Other (please specify) <input type="checkbox"/>	0,00	0,12			0,00
E. Prescribed Burning of Savannas	0,00	0,00			
F. Field Burning of Agricultural Residues	0,00	0,00	0,00	0,00	0,00
1. Cereals	0,00	0,00			
2. Pulse	0,00	0,00			
3. Tuber and Root	0,00	0,00			
4. Sugar Cane	0,00	0,00			
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00
G. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ See footnote 4 to Summary 1.A of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category of the sector Agriculture should indicate the amount [Gg] of these emissions or removals in the documentation box to Table 4.D. Additional information (activity data, implied emissions factors) should also be provided using the relevant documentation box to Table 4.D. This table is not modified for reporting the CO₂ emissions and removals for the sake of consistency with the IPCC tables (i.e. IPCC Sectoral Report for Agriculture).

Note: The IPCC Guidelines do not provide methodologies for the calculation of CH₄ emissions, CH₄ and N₂O removals from agricultural soils, or CO₂ emissions from savanna burning or agricultural residues burning. If you have reported such data, you should provide additional information (activity data and emission factors) used to make these estimates using the relevant documentation boxes of the Sectoral background data tables.

TABLE 4.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

Denmark

1991

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA ⁽¹⁾ AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS
	Population size ⁽²⁾ (1000 head)	Average daily feed intake (MJ/day)	CH ₄ conversion (%)	CH ₄ (kg CH ₄ /head/yr)
1. Cattle	0			0,00
Dairy Cattle ⁽³⁾	742			104,00
Non-Dairy Cattle	1.480			37,00
2. Buffalo	0			0,00
3. Sheep	188			8,00
4. Goats	0			0,00
5. Camels and Llamas	0			0,00
6. Horses	32			18,00
7. Mules and Asses	0			0,00
8. Swine	9.783			1,50
9. Poultry	0			0,00
10. Other (please specify) <input type="checkbox"/>				0,00

Additional information (for Tier 2) ^(a)

Disaggregated list of animals ^(b)	Dairy Cattle	Non-Dairy Cattle	Other (specify)	Indicators:	
				Weight (kg)	Feeding situation ^(c)

^(a) Compare to Tables A-1 and A-2 of the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.31-4.34). These data are relevant if Parties do not have data on average feed intake.

^(b) Disaggregate to the split actually used. Add columns to the table if necessary.

^(c) Specify feeding situation as pasture, stall fed, confined, open range, etc.

⁽¹⁾ In the documentation boxes to all Sectoral background data tables for Agriculture, Parties should provide information on whether the activity data is one year or a 3-year average.

⁽²⁾ Parties are encouraged to provide detailed livestock population data by animal type and region in a separate table below the documentation box. This consistent set of animal population statistics should be used to estimate CH₄ emissions from enteric fermentation, CH₄ and N₂O from manure management, N₂O direct emissions from soil and N₂O emissions associated with manure production, as well as emissions from the use of manure as fuel, and sewage-related emissions reported in the waste sector.

⁽³⁾ Including data on dairy heifers, if available.

Documentation box:

TABLE 4.B(a) SECTORAL BACKGROUND DATA FOR AGRICULTURE
CH₄ Emissions from Manure Management
 (Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS CH ₄ (kg CH ₄ /head/yr)	
	Population size (1) (1000 head)	Allocation by climate region (2)			Typical animal mass (kg)	VS ⁽³⁾ daily excretion (kg dm/head/yr)		CH ₄ producing potential (Bo) ⁽³⁾ (CH ₄ m ³ /kg VS)
		Cool	Temperate	Warm				
1. Cattle	0						0,00	
Dairy Cattle ⁽⁴⁾	742						21,19	
Non-Dairy Cattle	1.480						1,60	
2. Buffalo	0						0,00	
3. Sheep	277						0,31	
4. Goats	0						0,00	
5. Camels and Llamas	0						0,00	
6. Horses	96						0,37	
7. Mules and Asses	0						0,00	
8. Swine	15.418						1,57	
9. Poultry	19.787						0,03	

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ Climate regions are defined in terms of annual average temperature as follows: Cool=less than 15°C; Temperate=15°C to 25°C inclusive; and Warm=greater than 25°C (see Table 4.2 of the IPCC Guidelines (Volume 3, Reference Manual, p. 4.8)).

⁽³⁾ VS=Volatile Solids; Bo=maximum methane producing capacity for manure IPCC Guidelines (Volume 3, Reference Manual, p.4.23 and p. 4.15.

⁽⁴⁾ Including data on dairy heifers, if available.

Documentation Box:

Additional information (for Tier 2)

Animal category ^(a)	Indicator	Climate region	Animal waste management system					
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range paddock	Other
Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Non-Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Swine	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						

^(a) Copy the above table as many times as necessary.

^(b) MCF = Methane Conversion Factor (IPCC Guidelines, (Volume 3, Reference Manual, p. 4.9)). In the case of use of other climate region categorization, please replace the entries in the cells with the climate regions for which the MCFs are specified.

TABLE 4.B(b) SECTORAL BACKGROUND DATA FOR AGRICULTURE
N₂O Emissions from Manure Management
(Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION								IMPLIED EMISSION FACTORS	
	Population size (1) (1000s)	Nitrogen excretion (kg N/head/yr)	Nitrogen excretion per animal waste management system (kg N/yr)						Emission factor per animal waste management system (kg N ₂ O-N/kg N)	
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range and paddock	Other		
Non-Dairy Cattle	742								Anaerobic lagoon	0,000
Dairy Cattle	1.480								Liquid system	0,000
Sheep	277								Solid storage and dry lot	0,000
Swine	15.418								Other	0,000
Poultry	19.787									
Other (please specify) <input type="checkbox"/>										
Total per AWMS⁽²⁾			0,0	0,0	0,0	0,0	0,0	0,0		

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ AWMS - Animal Waste Management System.

Documentation box:

TABLE 4.D SECTORAL BACKGROUND DATA FOR AGRICULTURE

Agricultural Soils⁽¹⁾
(Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION		IMPLIED EMISSION FACTORS		EMISSIONS (Gg N ₂ O)
	Description	Value	Unit		
Direct Soil Emissions	N input to soils (kg N/yr)				19,40
Synthetic Fertilizers	Use of synthetic fertilizers (kg N/yr)	394.900.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,012	7,60
Animal Wastes Applied to Soils	Nitrogen input from manure applied to soils (kg N/yr)	250.100.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,009	3,52
N-fixing Crops	Dry pulses and soybeans produced (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	0,66
Crop Residue	Dry production of other crops (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	7,47
Cultivation of Histosols	Area of cultivated organic soils (ha)	18.440	(kg N ₂ O-N/ha) ⁽²⁾	5,000	0,14
Animal Production	N excretion on pasture range and paddock (kg N/yr)	42.700.000	(kg N₂O-N/kg N)⁽²⁾	0,019	1,26
Indirect Emissions					10,06
Atmospheric Deposition	(kg N/yr)	81.665.300	(kg N ₂ O-N/kg N) ⁽²⁾	0,010	1,28
Nitrogen Leaching and Run-off	N from fertilizers and animal wastes that is lost through leaching and run off (kg N/yr)	223.500.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,025	8,78
Other (please specify)					0,12
Sewage sludge used as fertilizer	(kg N/yr)	6.100.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,013	0,12
Industrial waste used as fertilizer	(kg N/yr)		(kg N ₂ O-N/kg N) ⁽²⁾	0,000	
				0,000	

Additional information

Fraction ^(a)	Description	Value
Frac _{BURN}	Fraction of crop residue burned	0,00
Frac _{FUEL}	Fraction of livestock N excretion in excrements burned for fuel	0,00
Frac _{GASF}	Fraction of synthetic fertilizer N applied to soils that volatilizes as NH ₃ and NO _x	0,02
Frac _{GASM}	Fraction of livestock N excretion that volatilizes as NH ₃ and NO _x	0,28
Frac _{GRAZ}	Fraction of livestock N excreted and deposited onto soil during grazing	
Frac _{LEACH}	Fraction of N input to soils that is lost through leaching and runoff	
Frac _{NCRBF}	Fraction of N in non-N-fixing crop	
Frac _{NCRO}	Fraction of N in N-fixing crop	
Frac _R	Fraction of crop residue removed from the field as crop	

^(a) Use the fractions as specified in the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.92 - 4.113).

⁽¹⁾ See footnote 4 to Summary 1.A. of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category should indicate the amount [Gg] of these emissions or removals and relevant additional information (activity data, implied emissions factors) in the documentation box.

⁽²⁾ To convert from N₂O-N to N₂O emissions, multiply by 44/28.

Documentation box:

TABLE 4.E SECTORAL BACKGROUND DATA FOR AGRICULTURE
Prescribed Burning of Savannas
(Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION					IMPLIED EMISSION FACTORS		EMISSIONS	
	Area of savanna burned (k ha/yr)	Average aboveground biomass density (t dm/ha)	Fraction of savanna burned	Biomass burned (Gg dm)	Nitrogen fraction in biomass	(kg/t dm)		(Gg)	
						CH ₄	N ₂ O	CH ₄	N ₂ O
(specify ecological zone) <input type="checkbox"/>								0,00	0,00
						0,00	0,00		

Additional information

	Living	Dead
Fraction of aboveground biomass		
Fraction oxidized		
Carbon fraction		

Documentation box:

TABLE 4.F SECTORAL BACKGROUND DATA FOR AGRICULTURE
Field Burning of Agricultural Residues
 (Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		EMISSIONS	
	Crop production (t)	Residue/ Crop ratio	Dry matter fraction	Fraction burned in fields	Biomass burned (Gg dm)	Nitrogen fraction in biomass of residues	CH ₄	N ₂ O	CH ₄	N ₂ O
							(kg/t dm)	(kg/t dm)	(Gg)	(Gg)
1. Cereals									0,00	0,00
Wheat						0,00	0,00			
Barley						0,00	0,00			
Maize						0,00	0,00			
Oats						0,00	0,00			
Rye						0,00	0,00			
Rice						0,00	0,00			
Other (please specify) <input type="checkbox"/>									0,00	0,00
						0,00	0,00			
2. Pulse ⁽¹⁾									0,00	0,00
Dry bean						0,00	0,00			
Peas						0,00	0,00			
Soybeans						0,00	0,00			
Other (please specify) <input type="checkbox"/>									0,00	0,00
						0,00	0,00			
3 Tuber and Root									0,00	0,00
Potatoes						0,00	0,00			
Other (please specify) <input type="checkbox"/>									0,00	0,00
						0,00	0,00			
4 Sugar Cane						0,00	0,00			
5 Other (please specify) <input type="checkbox"/>									0,00	0,00
						0,00	0,00			

⁽¹⁾ To be used in Table 4.D of this common reporting format.

Documentation Box:

TABLE 5 SECTORAL REPORT FOR LAND-USE CHANGE AND FORESTRY
(Sheet 1 of 1)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions/ removals	CH ₄	N ₂ O	NO _x	CO
	(Gg)						
Total Land-Use Change and Forestry	0,00	-918,00	-918,00	0,00	0,00	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-918,00	-918,00				
1. Tropical Forests			0,00				
2. Temperate Forests		-918,00	-918,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
Harvested Wood ⁽¹⁾			0,00				
			0,00				
B. Forest and Grassland Conversion⁽²⁾	0,00			0,00	0,00	0,00	0,00
1. Tropical Forests							
2. Temperate Forests							
3. Boreal Forests							
4. Grasslands/Tundra							
5. Other (please specify) <input type="checkbox"/>	0,00			0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00				
1. Tropical Forests			0,00				
2. Temperate Forests			0,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
D. CO₂ Emissions and Removals from Soil	0,00	0,00	0,00				
Cultivation of Mineral Soils			0,00				
Cultivation of Organic Soils			0,00				
Liming of Agricultural Soils			0,00				
Forest Soils			0,00				
Other (please specify) ⁽³⁾ <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
E. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00				

⁽¹⁾ Following the IPCC Guidelines, the harvested wood should be reported under Changes in Forest and Other Woody Biomass Stocks (Volume 3. Reference Manual, p.5.17).

⁽²⁾ Include only the emissions of CO₂ from Forest and Grassland Conversion. Associated removals should be reported under section D.

⁽³⁾ Include emissions from soils not reported under sections A, B and C.

Note: See footnote 4 to Summary 1.A of this common reporting format.

TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark
1991
April 11, 2001

**Changes in Forest and Other Woody Biomass Stocks
(Sheet 1 of 1)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES			ACTIVITY DATA		IMPLIED EMISSION FACTORS	ESTIMATES
			Area of forest/biomass stocks (kha)	Average annual growth rate (t dm/ha)	Implied carbon uptake factor (t C/ha)	Carbon uptake increment (Gg C)
Tropical	Plantations	<i>Acacia spp.</i>			0,00	
		<i>Eucalyptus spp.</i>			0,00	
		<i>Tectona grandis</i>			0,00	
		<i>Pinus spp</i>			0,00	
		<i>Pinus caribaea</i>			0,00	
		Mixed Hardwoods			0,00	
		Mixed Fast-Growing Hardwoods			0,00	
		Mixed Softwoods			0,00	
	Other Forests	Moist			0,00	
		Seasonal			0,00	
		Dry			0,00	
	Other (specify)				0,00	
Temperate	Plantations			0,00		
	Commercial	Evergreen			0,00	
		Deciduous			0,00	
	Other (specify)			0,00		
Boreal				0,00		
			Number of trees (1000s of trees)	Annual growth rate (kt dm/1000 trees)	Carbon uptake factor (t C/tree)	Carbon uptake increment (Gg C)
Non-Forest Trees (specify type)						0,00
Total annual growth increment (Gg C)						0,00
Gg CO ₂						0,00
			Amount of biomass removed (kt dm)	Carbon emission factor (t C/t dm)	Carbon release (Gg C)	
Total biomass removed in Commercial Harvest				0,00		
Traditional Fuelwood Consumed				0,00		
Total Other Wood Use				0,00		
Total Biomass Consumption from Stocks ⁽¹⁾ (Gg C)						0,00
Other Changes in Carbon Stocks ⁽²⁾ (Gg C)						
Gg CO ₂						0,00
Net annual carbon uptake (+) or release (-) (Gg C)						0,00
Net CO ₂ emissions (-) or removals (+) (Gg CO ₂)						0,00

⁽¹⁾ Make sure that the quantity of biomass burned off-site is subtracted from this total.

⁽²⁾ The net annual carbon uptake/release is determined by comparing the annual biomass growth versus annual harvest, including the decay of forest products and slash left during harvest. The IPCC Guidelines recommend default assumption that all carbon removed in wood and other biomass from forests is oxidized in the year of removal. The emissions from decay could be included under Other Changes in Carbon Stocks.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.B SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Forest and Grassland Conversion
 (Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS					EMISSIONS					
		On and off site burning				Decay of above-ground biomass ⁽¹⁾		Burning			Decay	Burning			Decay			
		Area converted annually (kha)	Annual net loss of biomass (kt dm)	Quantity of biomass burned		Average area converted (kha)	Average annual net loss of biomass (t dm/ha)	On site				CO ₂	CO ₂	On site			CO ₂	
				On site (kt dm)	Off site (kt dm)			CO ₂	CH ₄	N ₂ O	CO ₂			CH ₄	N ₂ O			
Vegetation types								(t/ha)			(Gg)							
Tropical	Wet/Very Moist							0,00	0,00	0,00	0,00	0,00						
	Moist, short dry season							0,00	0,00	0,00	0,00	0,00						
	Moist, long dry season							0,00	0,00	0,00	0,00	0,00						
	Dry							0,00	0,00	0,00	0,00	0,00						
	Montane Moist							0,00	0,00	0,00	0,00	0,00						
	Montane Dry							0,00	0,00	0,00	0,00	0,00						
Tropical Savanna/Grasslands								0,00	0,00	0,00	0,00	0,00						
Temperate	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Broadleaf							0,00	0,00	0,00	0,00	0,00						
	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
Grasslands								0,00	0,00	0,00	0,00	0,00						
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Forest-tundra							0,00	0,00	0,00	0,00	0,00						
Grasslands/Tundra								0,00	0,00	0,00	0,00	0,00						
Other (please specify) <input type="checkbox"/>								0,00	0,00	0,00	0,00	0,00						
Total								0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Activity data are for default 10-year average. Specify the average decay time which is appropriate for the local conditions, if other than 10 years.

Emissions/Removals	On site	Off site
Immediate carbon release from burning	0,00	0,00
Total On site and Off site (Gg C)	0,00	
Delayed emissions from decay (Gg C)	0,00	
Total annual carbon release (Gg C)	0,00	
Total annual CO ₂ emissions (Gg CO ₂)	0,00	

Additional information

Fractions	On site	Off site
Fraction of biomass burned (average)		
Fraction which oxidizes during burning (average)		
Carbon fraction of aboveground biomass (average)		
Fraction left to decay (average)		
Nitrogen-carbon ratio		

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.C SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Abandonment of Managed Lands
(Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		ESTIMATES	
		Total area abandoned and regrowing ⁽¹⁾		Annual rate of aboveground biomass growth		Carbon fraction of aboveground biomass		Rate of aboveground biomass carbon uptake		Annual carbon uptake in aboveground biomass	
		first 20 years (kha)	>20 years (kha)	first 20 years (t dm/ha)	>20 years (t dm/ha)	first 20 years	>20 years	first 20 years (t C/ha/yr)	>20 years (t C/ha/yr)	first 20 years (Gg C/yr)	>20 years (Gg C/yr)
Original natural ecosystems											
Tropical	Wet/Very Moist							0,00	0,00		
	Moist, short dry season							0,00	0,00		
	Moist, long dry season							0,00	0,00		
	Dry							0,00	0,00		
	Montane Moist							0,00	0,00		
	Montane Dry							0,00	0,00		
Tropical Savanna/Grasslands								0,00	0,00		
Temperate	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Broadleaf							0,00	0,00		
Grasslands								0,00	0,00		
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Forest-tundra							0,00	0,00		
Grasslands/Tundra								0,00	0,00		
Other (please specify)								0,00	0,00		
								0,00	0,00		
Total annual carbon uptake (Gg C)										0,00	
Total annual CO ₂ removal (Gg CO ₂)										0,00	

⁽¹⁾ If lands are regenerating to grassland, then the default assumption is that no significant changes in above-ground biomass occur.

Note: Sectoral background data tables on Land-use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.D SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
CO₂ Emissions and Removals from Soil
 (Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS	ESTIMATES
	Land area (Mha)	Average annual rate of soil carbon uptake/removal (Mg C/ha/yr)	Net change in soil carbon in mineral soils (Tg C over 20 yr)
Cultivation of Mineral Soils ⁽¹⁾			0,00
High Activity Soils		0,00	
Low Activity Soils		0,00	
Sandy		0,00	
Volcanic		0,00	
Wetland (Aquic)		0,00	
Other (please specify)			0,00
		0,00	
	Land area (ha)	Annual loss rate (Mg C/ha/yr)	Carbon emissions from organic soils (Mg C/yr)
Cultivation of Organic Soils			0,00
Cool Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Warm Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Tropical			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
	Total annual amount of lime (Mg)	Carbon conversion factor	Carbon emissions from liming (Mg C)
Liming of Agricultural Soils			0,00
Limestone Ca(CO ₃)		0,00	
Dolomite CaMg(CO ₃) ₂		0,00	
Total annual net carbon emissions from agriculturally impacted soils (Gg C)			0,00
Total annual net CO ₂ emissions from agriculturally impacted soils (Gg CO ₂)			0,00

Additional information

Year	Climate ^(a)	land-use/ management system ^(a)	Soil type					
			High activity soils	Low activity soils	Sandy	Volcanic	Wetland (Aquic)	Organic soil
percent distribution (%)								
20 years prior	(e.g. tropical, dry)	(e.g. savanna)						
		(e.g. irrigated cropping)						
inventory year								

^(a) These should represent the major types of land management systems per climate regions presented in the country as well as ecosystem types which were either converted to agriculture (e.g., forest, savanna, grassland) or have been derived from previous agricultural land-use (e.g., abandoned lands, reforested lands). Systems should also reflect differences in soil carbon stocks that can be related to differences in management (IPCC Guidelines (Volume 2. Workbook, Table 5-9, p. 5.26, and Appendix (pp. 5-31 - 5.38)).

⁽¹⁾ The information to be reported under Cultivation of Mineral Soils aggregates data per soil type over all land-use/management systems. This refers to land area data and to the emission estimates and implied emissions factors accordingly.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation Box:

TABLE 6 SECTORAL REPORT FOR WASTE
(Sheet 1 of 1)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Waste	0,00	63,70	0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	0,00	63,70		0,00	0,00	0,00	
1. Managed Waste Disposal on Land	0,00	63,70					
2. Unmanaged Waste Disposal Sites	0,00	0,00					
3. Other (please specify) <input type="checkbox"/>	0,00	0,00		0,00	0,00	0,00	
B. Wastewater Handling		0,00	0,00	0,00	0,00	0,00	
1. Industrial Wastewater		0,00	0,00				
2. Domestic and Commercial Wastewater		0,00	0,00				
3. Other (please specify) <input type="checkbox"/>		0,00	0,00	0,00	0,00	0,00	
C. Waste Incineration	0,00	0,00	0,00				
D. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biological or inorganic waste sources.

TABLE 6.A SECTORAL BACKGROUND DATA FOR WASTE
Solid Waste Disposal
(Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION				IMPLIED EMISSION FACTOR		EMISSIONS ⁽¹⁾	
	Annual MSW at the SWDS (Gg)	MCF	DOC degraded (Gg)	CH ₄ recovery ⁽²⁾ (Gg)	CH ₄ (t/t MSW)	CO ₂ (t/t MSW)	CH ₄ (Gg)	CO ₂ ⁽³⁾ (Gg)
1 Managed Waste Disposal on Land	3.032,30				0,02	0,00	63,70	
2 Unmanaged Waste Disposal Sites					0,00	0,00	0,00	0,00
- deep (>5 m)	0,00				0,00	0,00		
- shallow (<5 m)					0,00	0,00		
3 Other (please specify)					0,00	0,00	0,00	0,00

Additional information

Description	Value
Total population (1000s) ^(a)	
Urban population (1000s) ^(a)	
Waste generation rate (kg/capita/day)	
Fraction of MSW disposed to SWDS	
Fraction of DOC in MSW	
Fraction of wastes incinerated	
Fraction of wastes recycled	
CH ₄ oxidation factor (b)	
CH ₄ fraction in landfill gas	
Number of SWDS recovering CH ₄	
CH ₄ generation rate constant (k) ^(c)	
Time lag considered (yr) ^(c)	
Composition of landfilled waste (%)	
Paper and paperboard	
Food and garden waste	
Plastics	
Glass	
Textiles	
Other (specify)	
other - inert	
other - organic	

TABLE 6.C SECTORAL BACKGROUND DATA FOR WASTE
Waste Incineration
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA Amount of incinerated wastes (Gg)	IMPLIED EMISSION FACTOR			EMISSIONS		
		CO ₂ (kg/t waste)	CH ₄ (kg/t waste)	N ₂ O (kg/t waste)	CO ₂ ⁽³⁾ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Waste Incineration (please specify)	0,00				0,00	0,00	0,00
(biogenic) ⁽³⁾		0,00	0,00	0,00			
(plastics and other non-biogenic waste) ⁽³⁾		0,00	0,00	0,00			
		0,00	0,00	0,00			

MSW - Municipal Solid Waste, SWDS - Solid Waste Disposal Site, MCF - Methane Correction Factor, DOC - Degradable Organic Carbon (IPCC Guidelines (Volume 3. Reference Manual, section 6.2.4)). MSW includes household waste, yard/garden waste, commercial/market waste and organic industrial solid waste. MSW should not include inorganic industrial waste such as construction or demolition materials.

⁽¹⁾ Actual emissions (after recovery).

⁽²⁾ CH₄ recovered and flared or utilized.

⁽³⁾ Under Waste Disposal, CO₂ emissions should be reported only when the disposed wastes are combusted at the disposal site which might constitute a management practice. CO₂ emissions from non-biogenic wastes are included in the totals, while the CO₂ emissions from biogenic wastes are not included in the totals.

Documentation box:

All relevant information used in calculation should be provided in the additional information box and in the documentation box.
 Parties that use country specific models should note this with a brief rationale in the documentation box and fill the relevant cells only.

^(a) Specify whether total or urban population is used and the rationale for doing so.

^(b) See IPCC Guidelines (Volume 3. Reference Manual, p. 6.9).

^(c) For Parties using Tier 2 methods.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)

(Sheet 1 of 3)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)				(Gg)				
Total National Emissions and Removals	63,667,88	-918,00	280,97	35,20	0,00	0,00	0,00	0,00	0,01	0,00	312,53	716,28	176,54	241,28
1. Energy	62,367,40		25,63	2,85							312,53	716,28	124,30	241,28
A. Fuel Combustion														
Reference Approach ⁽²⁾	0,00													
Sectoral Approach ⁽²⁾	61,872,81		11,86	2,84							312,53	673,91	112,66	241,28
1. Energy Industries	35,142,39		1,29	1,15							135,29	9,39	1,39	188,45
2. Manufacturing Industries and Construction	6,369,24		0,76	0,41							22,43	14,59	4,20	23,97
3. Transport	10,873,45		2,88	0,56							113,42	495,87	89,36	14,38
4. Other Sectors	9,201,05		6,92	0,71							39,73	152,98	17,48	14,32
5. Other	286,69		0,02	0,01							1,66	1,08	0,22	0,16
B. Fugitive Emissions from Fuels	494,59		13,77	0,01							0,00	42,37	11,64	0,00
1. Solid Fuels	0,00		3,87	0,00							0,00	42,37	0,00	0,00
2. Oil and Natural Gas	494,59		9,89	0,01							0,00	0,00	11,64	0,00
2. Industrial Processes	1,178,08		0,00	0,00	0,00	0,00	0,00	0,00	0,01	0,00	0,00	0,00	0,00	0,00
A. Mineral Products	1,178,08		0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00		0,00	0,00				0,00		0,00	0,00	0,00	0,00	0,00
D. Other Production ⁽³⁾	0,00										0,00	0,00	0,00	0,00
E. Production of Halocarbons and SF ₆						0,00	0,00	0,00		0,00				
F. Consumption of Halocarbons and SF ₆					0,00	0,00	0,00	0,00	0,01	0,00				
G. Other	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach. Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ Other Production includes Pulp and Paper and Food and Drink Production.

Note: The numbering of footnotes to all tables containing more than one sheet continue to the next sheet. Common footnotes are given only once at the first point of reference.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	emissions	removals			P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)						(Gg)				
3. Solvent and Other Product Use	122,40			0,00										41,87
4. Agriculture	0,00	0,00	191,63	32,35							0,00	0,00	1,07	0,00
A. Enteric Fermentation			148,64											
B. Manure Management			42,99	1,51										0,00
C. Rice Cultivation			0,00											0,00
D. Agricultural Soils	⁽⁴⁾	⁽⁴⁾	0,00	30,84										1,07
E. Prescribed Burning of Savannas			0,00	0,00							0,00	0,00		0,00
F. Field Burning of Agricultural Residues			0,00	0,00							0,00	0,00		0,00
G. Other			0,00	0,00							0,00	0,00		0,00
5. Land-Use Change and Forestry	⁽⁵⁾ 0,00	⁽⁵⁾ -918,00	0,00	0,00							0,00	0,00	9,31	0,00
A. Changes in Forest and Other Woody Biomass Stocks	⁽⁵⁾ 0,00	⁽⁵⁾ -918,00												
B. Forest and Grassland Conversion	0,00		0,00	0,00							0,00	0,00	9,31	
C. Abandonment of Managed Lands	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00												
D. CO ₂ Emissions and Removals from Soil	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00												
E. Other	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00	0,00	0,00							0,00	0,00		
6. Waste	0,00		63,70	0,00							0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	⁽⁶⁾ 0,00		63,70									0,00	0,00	
B. Wastewater Handling			0,00	0,00							0,00	0,00	0,00	
C. Waste Incineration	⁽⁶⁾ 0,00		0,00	0,00							0,00	0,00	0,00	0,00
D. Other	0,00		0,00	0,00							0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽⁴⁾ According to the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.2, 4.87), CO₂ emissions from agricultural soils are to be included under Land-Use Change and Forestry (LUCF). At the same time, the Summary Report 7A (Volume 1. Reporting Instructions, Tables.27) allows for reporting CO₂ emissions or removals from agricultural soils, either in the Agriculture sector, under D. Agricultural Soils or in the Land-Use Change and Forestry sector under D. Emissions and Removals from Soil. Parties may choose either way to report emissions or removals from this source in the common reporting format, but the way they have chosen to report should be clearly indicated, by inserting explanatory comments to the corresponding cells of Summary 1.A and Summary 1.B. Double-counting of these emissions or removals should be avoided. Parties should include these emissions or removals consistently in Table8(a) (Recalculation - Recalculated data) and Table10 (Emission trends).

⁽⁵⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽⁶⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biogenic or inorganic waste streams.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs		PFCs		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)					(Gg)			
Memo Items: ⁽⁷⁾														
International Bunkers	4,432,49		0,10	0,24							82,58	8,18	2,39	46,38
Aviation	1,660,77		0,03	0,06							6,75	1,73	0,36	0,11
Marine	2,771,72		0,06	0,17							75,83	6,45	2,03	46,27
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	4,610,14													

⁽⁷⁾ Memo Items are not included in the national totals.

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
	P	A	P	A	P	A	P	A	P	A				
Total National Emissions and Removals	63.667,88	-918,00	280,97	35,20	0,00	0,00	0,00	0,00	0,01	0,00	312,53	716,28	176,54	241,28
1. Energy	62.367,40		25,63	2,85							312,53	716,28	124,30	241,28
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	61.872,81	11,86	2,84							312,53	673,91	112,66	241,28
B. Fugitive Emissions from Fuels		494,59	13,77	0,01							0,00	42,37	11,64	0,00
2. Industrial Processes	1.178,08		0,00	0,00	0,00	0,00	0,00	0,00	0,01	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	122,40			0,00							0,00	0,00	41,87	0,00
4. Agriculture⁽³⁾	0,00	0,00	191,63	32,35							0,00	0,00	1,07	0,00
5. Land-Use Change and Forestry⁽⁴⁾	0,00⁽⁴⁾	-918,00	0,00	0,00							0,00	0,00	9,31	0,00
6. Waste	0,00		63,70	0,00							0,00	0,00	0,00	0,00
7. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:														
International Bunkers	4.432,49		0,10	0,24							82,58	8,18	2,39	46,38
Aviation	1.660,77		0,03	0,06							6,75	1,73	0,36	0,11
Marine	2.771,72		0,06	0,17							75,83	6,45	2,03	46,27
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	4.610,14													

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in document box of Table 1.A(c). Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ See footnote 4 to Summary 1.A.

⁽⁴⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

SUMMARY 2 SUMMARY REPORT FOR CO₂ EQUIVALENT EMISSIONS
(Sheet 1 of 1)

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	Total
	CO ₂ equivalent (Gg)						
Total (Net Emissions)⁽¹⁾	62.749,88	5.900,30	10.913,08	0,00	0,00	60,95	79.624,21
1. Energy	62.367,40	538,31	883,10				63.788,80
A. Fuel Combustion (Sectoral Approach)	61.872,81	249,15	880,40				63.002,36
1. Energy Industries	35.142,39	27,01	356,48				35.525,87
2. Manufacturing Industries and Construction	6.369,24	15,98	126,89				6.512,12
3. Transport	10.873,45	60,41	174,45				11.108,31
4. Other Sectors	9.201,05	145,42	218,93				9.565,40
5. Other	286,69	0,33	3,65				290,67
B. Fugitive Emissions from Fuels	494,59	289,16	2,69				786,44
1. Solid Fuels	0,00	81,37	0,00				81,37
2. Oil and Natural Gas	494,59	207,79	2,69				705,07
2. Industrial Processes	1.178,08	0,00	0,00	0,00	0,00	60,95	1.239,03
A. Mineral Products	1.178,08	0,00	0,00				1.178,08
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00		0,00	31,07	31,07
D. Other Production	0,00						0,00
E. Production of Halocarbons and SF ₆				0,00	0,00	0,00	0,00
F. Consumption of Halocarbons and SF ₆				0,00	0,00	29,88	29,88
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	122,40		0,00				122,40
4. Agriculture	0,00	4.024,29	10.029,99				14.054,28
A. Enteric Fermentation		3.121,53					3.121,53
B. Manure Management		902,76	469,10				1.371,86
C. Rice Cultivation		0,00					0,00
D. Agricultural Soils ⁽²⁾		0,00	9.560,89				9.560,89
E. Prescribed Burning of Savannas		0,00	0,00				0,00
F. Field Burning of Agricultural Residues		0,00	0,00				0,00
G. Other		0,00	0,00				0,00
5. Land-Use Change and Forestry⁽¹⁾	-918,00	0,00	0,00				-918,00
6. Waste	0,00	1.337,70	0,00				1.337,70
A. Solid Waste Disposal on Land	0,00	1.337,70					1.337,70
B. Wastewater Handling		0,00	0,00				0,00
C. Waste Incineration	0,00	0,00	0,00				0,00
D. Other	0,00	0,00	0,00				0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:							
International Bunkers	4.432,49	2,05	74,11				4.508,64
Aviation	1.660,77	0,73	20,06				1.681,56
Marine	2.771,72	1,32	54,04				2.827,08
Multilateral Operations	0,00	0,00	0,00				0,00
CO₂ Emissions from Biomass	4.610,14						4.610,14

⁽¹⁾ For CO₂ emissions from Land-Use Change and Forestry the net emissions are to be reported. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions / removals	CH ₄	N ₂ O	Total emissions
	CO ₂ equivalent (Gg)					
Land-Use Change and Forestry						
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-918,00	-918,00			-918,00
B. Forest and Grassland Conversion	0,00		0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00			0,00
D. CO ₂ Emissions and Removals from Soil	0,00	0,00	0,00			0,00
E. Other	0,00	0,00	0,00	0,00	0,00	0,00
Total CO₂ Equivalent Emissions from Land-Use Change and Forestry	0,00	-918,00	-918,00	0,00	0,00	-918,00

Total CO₂ Equivalent Emissions without Land-Use Change and Forestry^(a) 80.542,21

Total CO₂ Equivalent Emissions with Land-Use Change and Forestry^(a) 79.624,21

^(a) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 1 of 2)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
1. Energy												
A. Fuel Combustion												
1. Energy Industries												
2. Manufacturing Industries and Construction												
3. Transport												
4. Other Sectors												
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
2. Oil and Natural Gas												
2. Industrial Processes												
A. Mineral Products												
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF ₆												
F. Consumption of Halocarbons and SF ₆												
G. Other												

⁽¹⁾ Use the following notation keys to specify the method applied: D (IPCC default), RA (Reference Approach), T1 (IPCC Tier 1), T1a, T1b, T1c (IPCC Tier 1a, Tier 1b and Tier 1c, respectively), T2 (IPCC Tier 2), T3 (IPCC Tier 3), C (CORINAIR), CS (Country Specific), M (Model). If using more than one method, enumerate the relevant methods. Explanations of any modifications to the default IPCC methods, as well as information on the proper use of methods per source category where more than one method is indicated, and explanations on the country specific methods, should be provided in the documentation box of the relevant Sectoral background data table.

⁽²⁾ Use the following notation keys to specify the emission factor used: D (IPCC default), C (CORINAIR), CS (Country Specific), PS (Plant Specific), M (Model). Where a mix of emission factors has been used, use different notations in one and the same cells with further explanation in the documentation box of the relevant Sectoral background data table.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 2 of 2)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation												
B. Manure Management												
C. Rice Cultivation												
D. Agricultural Soils												
E. Prescribed Burning of Savannas												
F. Field Burning of Agricultural Residues												
G. Other												
5. Land-Use Change and Forestry												
A. Changes in Forest and Other Woody Biomass Stocks												
B. Forest and Grassland Conversion												
C. Abandonment of Managed Lands												
D. CO ₂ Emissions and Removals from Soil												
E. Other												
6. Waste												
A. Solid Waste Disposal on Land												
B. Wastewater Handling												
C. Waste Incineration												
D. Other												
7. Other (please specify) <input type="checkbox"/>												

TABLE 7 OVERVIEW TABLE⁽¹⁾ FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 1 of 3)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
Total National Emissions and Removals																					
1 Energy																					
A. Fuel Combustion Activities																					
Reference Approach																					
Sectoral Approach																					
1. Energy Industries																					
2. Manufacturing Industries and Construction																					
3. Transport																					
4. Other Sectors																					
5. Other																					
B. Fugitive Emissions from Fuels																					
1. Solid Fuels																					
2. Oil and Natural Gas																					
2 Industrial Processes																					
A. Mineral Products																					
B. Chemical Industry																					
C. Metal Production																					
D. Other Production																					
E. Production of Halocarbons and SF ₆																					

⁽¹⁾ This table is intended to be used by Parties to summarize their own assessment of completeness (e.g. partial, full estimate, not estimated) and quality (high, medium, low) of major source/sink inventory estimates. The latter could be understood as a quality assessment of the uncertainty of the estimates. This table might change once the IPCC completes its work on managing uncertainties of GHG inventories. The title of the table was kept for consistency with the current table in the IPCC Guidelines.

Note: To fill in the table use the notation key as given in the IPCC Guidelines (Volume 1. Reporting Instructions, Tables. 37).

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 2 of 3)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
2 Industrial Processes (continued)																					
F. Consumption of Halocarbons and SF ₆																					
Potential ⁽²⁾																					
Actual ⁽³⁾																					
G. Other																					
3 Solvent and Other Product Use																					
4 Agriculture																					
A. Enteric Fermentation																					
B. Manure Management																					
C. Rice Cultivation																					
D. Agricultural Soils																					
E. Prescribed Burning of Savannas																					
F. Field Burning of Agricultural Residues																					
G. Other																					
5 Land-Use Change and Forestry																					
A. Changes in Forest and Other Woody Biomass Stocks																					
B. Forest and Grassland Conversion																					

⁽²⁾ Potential emissions based on Tier 1 approach of the IPCC Guidelines.

⁽³⁾ Actual emissions based on Tier 2 approach of the IPCC Guidelines.

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
 (Sheet 3 of 3)

Denmark
 1991
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
5 Land-Use Change and Forestry (continued)																					
C. Abandonment of Managed Lands																					
D. CO ₂ Emissions and Removals from Soil																					
E. Other																					
6 Waste																					
A. Solid Waste Disposal on Land																					
B. Wastewater Handling																					
C. Waste Incineration																					
D. Other																					
7 Other (please specify)																					
Memo Items:																					
International Bunkers																					
Aviation																					
Marine																					
Multilateral Operations																					
CO ₂ Emissions from Biomass																					

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated
(Sheet 1 of 2)

year:

Denmark
1991
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO2			CH4			N2O		
		Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
		CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
Total National Emissions and Removals		62,596,20	62,749,88	0,25	5,895,33	5,900,30	0,08	10,726,00	10,913,08	1,74
1. Energy		62,207,62	62,367,40	0,26	533,40	538,31	0,92	697,50	883,10	26,61
1.A.	Fuel Combustion Activities	61.713,03	61.872,81	0,26	245,28	249,15	1,58	694,40	880,40	26,79
1.A.1.	Energy Industries	35.142,39	35.142,39	0,00	27,09	27,01	-0,31	356,50	356,48	-0,01
1.A.2.	Manufacturing Industries and Construction	6.113,78	6.369,24	4,18	13,65	15,98	17,09	58,90	126,89	115,43
1.A.3.	Transport	11.244,97	10.873,45	-3,30	59,85	60,41	0,93	179,80	174,45	-2,98
1.A.4.	Other Sectors	8.925,06	9.201,05	3,09	144,27	145,42	0,80	99,20	218,93	120,70
1.A.5.	Other	286,83	286,69	-0,05	0,42	0,33	-21,82	3,10	3,65	17,83
1.B.	Fugitive Emissions from Fuels	494,59	494,59	0,00	288,12	289,16	0,36	3,10	2,69	-13,08
1.B.1.	Solid fuel	0,00	0,00	0,00	81,27	81,37	0,13	0,00	0,00	0,00
1.B.2.	Oil and Natural Gas	494,59	494,59	0,00	206,85	207,79	0,45	3,10	2,69	-13,08
2. Industrial Processes		1,178,08	1,178,08	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.A.	Mineral Products	1.178,08	1.178,08	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.B.	Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.C.	Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.D.	Other Production	0,00	0,00	0,00						
2.G.	Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use		130,50	122,40	-6,21				0,00	0,00	0,00
4. Agriculture		0,00	0,00	0,00	4,024,23	4,024,29	0,00	10,025,40	10,029,99	0,05
4.A.	Enteric Fermentation				3.121,44	3.121,53	0,00			
4.B.	Manure Management				902,79	902,76	0,00	468,10	469,10	0,21
4.C.	Rice Cultivation				0,00	0,00	0,00			
4.D.	Agricultural Soils (2)			0,00	0,00	0,00	0,00	9.557,30	9.560,89	0,04
4.E.	Prescribed Burning of Savannas				0,00	0,00	0,00	0,00	0,00	0,00
4.F.	Field Burning of Agricultural Residues				0,00	0,00	0,00	0,00	0,00	0,00
4.G.	Other				0,00	0,00	0,00	0,00	0,00	0,00
5. Land-Use Change and Forestry (net)		-920,00	-918,00	-0,22	0,00	0,00	0,00	0,00	0,00	0,00
5.A.	Changes in Forest and Other Woody Biomass Stocks	-920,00	-918,00	-0,22						
5.B.	Forest and Grassland Conversion			0,00			0,00			0,00
5.C.	Abandonment of Managed Lands			0,00						
5.D.	CO2 Emissions and Removals from Soil			0,00						
5.E.	Other			0,00			0,00			0,00

⁽¹⁾ Estimate the percentage change due to recalculation with respect to the previous submission (Percentage change = 100% x [(LS-PS)/PS], where LS = Latest submission and PS = Previous submission. All cases of recalculation of the estimate of the source/sink category, should be addressed and explained in Table 8(b) of this common reporting format.

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Denmark
 1991
 April 11, 2001

Specify the sector and source/sink category ⁽¹⁾ where changes in estimates have occurred:	GHG	RECALCULATION DUE TO			
		CHANGES IN:			Addition/removal/ replacement of source/sink categories
		Methods ⁽²⁾	Emission factors ⁽²⁾	Activity data ⁽²⁾	

⁽¹⁾ Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table (see Table 8(a)).

⁽²⁾ Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in Table 8(a). Include relevant changes in the assumptions and coefficients under the "Methods" column.

Documentation box: Use the documentation box to report the justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory.

TABLE 9 COMPLETENESS
(Sheet 1 of 2)

Denmark
1991
April 11, 2001

Sources and sinks not reported (NE) ⁽¹⁾				
GHG	Sector ⁽²⁾	Source/sink category ⁽²⁾	Explanation	
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				
Sources and sinks reported elsewhere (IE) ⁽³⁾				
GHG	Source/sink category	Allocation as per IPCC Guidelines	Allocation used by the Party	Explanation
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				


⁽¹⁾ Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.

⁽²⁾ Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).

⁽³⁾ Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.

TABLE 9 COMPLETENESS
(Sheet 2 of 2)

Denmark
 1991
 April 11, 2001

Additional GHG emissions reported ⁽⁴⁾						
GHG 	Source category	Emissions (Gg)	Estimated GWP value (100-year horizon)	Emissions CO ₂ equivalent (Gg)	Reference to the data source of GWP value	Explanation

⁽⁴⁾ Parties are encouraged to provide information on emissions of greenhouse gases whose GWP values have not yet been agreed upon by the COP. Please include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

TABLE 11 CHECK LIST OF REPORTED INVENTORY INFORMATION ⁽¹⁾									
Party: Denmark			Year: 1991						
Contact info:	Focal point for national GHG inventories:	Jytte Boll Illerup, National Environmental Research Institute							
	Address:	P.O. Box 358, Department of Policy Analysis, DK-4000 Roskilde							
	Telephone:	0045 46301289	Fax:	0045 46301212	E-mail:	jbi@dmu.dk			
	Main institution preparing the inventory:	National Environmental Research Institute, Ministry of Environment and Energy							
General info:	Date of submission:	11-apr-01							
	Base years:	1990	PFCs, HFCs, SF6:	1995					
	Year covered in the submission:	1990-1999							
	Gases covered:	CO2, CH4, N2O, NOx, CO, NMVOC, SO2, HFCs, PFCs, SF6							
Omissions in geographic coverage:	Denmark								
Tables:	Sectoral report tables:	<input checked="" type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	Sectoral background data tables:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Summary 1 (IPCC Summary tables):		IPCC Table 7A:		<input checked="" type="checkbox"/>	IPCC Table 7B:		<input checked="" type="checkbox"/>	
	Summary 2 (CO ₂ equivalent emissions):				<input checked="" type="checkbox"/>				
	Summary 3 (Methods/Emission factors):				<input type="checkbox"/>				
	Uncertainty:		IPCC Table 8A:			National information:		<input type="checkbox"/>	
	Recalculation tables:				<input checked="" type="checkbox"/>				
	Completeness table:				<input type="checkbox"/>				
Trend table:				<input checked="" type="checkbox"/>					
CO ₂	Comparison of CO ₂ from fuel combustion:	<input type="checkbox"/>	Worksheet 1-1	Percentage of difference	-100,00			Explanation of differences	<input type="checkbox"/>
Recalculation:	CO ₂	<input type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	CH ₄	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	N ₂ O	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	HFCs, PFCs, SF ₆	<input type="checkbox"/>		<input checked="" type="checkbox"/>					
	Explanations:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Recalculation tables for all recalculated years:				<input type="checkbox"/>				
Full CRF for the recalculated base year:				<input type="checkbox"/>					
HFCs, PFCs, SF ₆ :	Disaggregation by species:	<input checked="" type="checkbox"/>	HFCs	PFCs	SF6				
	Production of Halocarbons/SF ₆ :	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
	Consumption of Halocarbons/SF ₆ :		Actual	Potential	Actual	Potential	Actual	Potential	
	Potential/Actual emission ratio:	<input type="checkbox"/>	0,00	<input type="checkbox"/>	0,00	<input type="checkbox"/>	<input type="checkbox"/>	0,00	<input type="checkbox"/>
Reference to National Inventory Report and/or national inventory web site:	http://www.dmu.dk/1_english/1_viden/2_Miljoe-tilstand/3_lufv/4_adaei/default.asp								

CRF - Common Reporting Format.
LUCF - Land-Use Change and Forestry.

⁽¹⁾ For each omission, give an explanation for the reasons by inserting a comment to the corresponding cell.

Appendix 1.1

Annual emission inventories 1990

CRF tables for Denmark

|

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 1 of 2)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Energy	51,915,51	23,42	2,43	267,40	680,65	122,15	182,39
A. Fuel Combustion Activities (Sectoral Approach)	51,675,51	10,95	2,43	267,40	647,40	110,58	182,39
1. Energy Industries	26,215,70	1,07	0,87	95,80	8,00	1,16	133,32
a. Public Electricity and Heat Production	24,823,59	0,85	0,84	91,70	7,57	1,01	125,63
b. Petroleum Refining	1,392,10	0,22	0,03	4,11	0,44	0,15	7,69
c. Manufacture of Solid Fuels and Other Energy Industries	0,00	0,00	0,00				
2. Manufacturing Industries and Construction	6,040,24	0,73	0,40	21,83	14,63	4,22	22,29
a. Iron and Steel	0,00	0,00	0,00				
b. Non-Ferrous Metals	0,00	0,00	0,00				
c. Chemicals	0,00	0,00	0,00				
d. Pulp, Paper and Print	0,00	0,00	0,00				
e. Food Processing, Beverages and Tobacco	0,00	0,00	0,00				
f. Other (please specify) <input type="checkbox"/>	6,040,24	0,73	0,40	21,83	14,63	4,22	22,29
Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.				21,83	14,63	4,22	22,29
3. Transport	10,355,99	2,70	0,46	110,16	482,82	88,37	12,87
a. Civil Aviation	184,28	0,01	0,01	0,89	1,07	0,18	0,01
b. Road Transportation	9,337,32	2,62	0,40	97,42	472,02	82,95	5,92
c. Railways	298,13	0,02	0,01	2,79	0,54	0,20	0,38
d. Navigation	536,26	0,06	0,04	9,07	9,19	5,05	6,55
e. Other Transportation (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 2 of 2)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
4. Other Sectors	8,944,57	6,44	0,70	39,13	141,52	16,77	13,90
a. Commercial/Institutional	1,489,66	0,26	0,04	1,25	3,77	0,28	1,73
b. Residential	5,034,49	5,95	0,17	4,83	116,65	11,79	6,58
c. Agriculture/Forestry/Fisheries	2,420,42	0,23	0,50	33,05	21,10	4,71	5,59
5. Other (please specify) ⁽¹⁾	119,01	0,00	0,00	0,48	0,43	0,06	0,02
a. Stationary	0,00	0,00	0,00	0,00	0,00	0,00	0,00
b. Mobile	119,01	0,00	0,00	0,48	0,43	0,06	0,02
Emissions from military combustion of fuels.							
	119,01	0,00	0,00	0,48	0,43	0,06	0,02
B. Fugitive Emissions from Fuels	240,00	12,47	0,00	0,00	33,25	11,57	0,00
1. Solid Fuels	0,00	3,30	0,00	0,00	33,25	0,00	0,00
a. Coal Mining	0,00	0,00					
b. Solid Fuel Transformation	0,00	0,00					
c. Other (please specify)	0,00	3,30	0,00	0,00	33,25	0,00	0,00
Storage of solid fuel.							
					33,25		
2. Oil and Natural Gas	240,00	9,17	0,00	0,00	0,00	11,57	0,00
a. Oil	0,00	0,04				7,89	
b. Natural Gas	0,00	8,45				3,31	
c. Venting and Flaring	240,00	0,68	0,00	0,00	0,00	0,37	0,00
Venting	0,00	0,00				0,37	
Flaring	240,00	0,68	0,00				
d. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items: ⁽²⁾							
International Bunkers	4,889,59	0,11	0,26	91,93	9,05	2,66	54,59
Aviation	1,794,52	0,04	0,07	7,30	1,85	0,39	0,11
Marine	3,095,07	0,07	0,19	84,63	7,20	2,26	54,47
Multilateral Operations	0,00	0,00	0,00				
CO₂ Emissions from Biomass	4,312,34						

⁽¹⁾ Include military fuel use under this category.

⁽²⁾ Please do not include in energy totals.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 1 of 4)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	(1)	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A. Fuel Combustion	696.763,62	NCV				51.675,51	10,95	2,43
Liquid Fuels	322.410,64	NCV	71,78	11,41	4,42	23.141,33	3,68	1,43
Solid Fuels	255.485,51	NCV	94,98	2,83	3,00	24.266,69	0,72	0,77
Gaseous Fuels	74.472,13	NCV	56,87	5,90	1,00	4.235,50	0,44	0,07
Biomass	43.955,70	NCV	98,11	137,99	3,64 ⁽³⁾	4.312,34	6,07	0,16
Other Fuels	439,65	NCV	72,76	105,65	0,50	31,99	0,05	0,00
I.A.1. Energy Industries	328.209,77	NCV				26.215,70	1,07	0,87
Liquid Fuels	43.329,84	NCV	52,33	2,18	0,98	2.267,59	0,09	0,04
Solid Fuels	236.439,91	NCV	94,98	1,85	3,00	22.457,35	0,44	0,71
Gaseous Fuels	26.210,03	NCV	56,88	8,44	1,00	1.490,75	0,22	0,03
Biomass	22.230,00	NCV	95,63	14,44	4,00 ⁽³⁾	2.125,77	0,32	0,09
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Public Electricity and Heat Production	304.229,77	NCV				24.823,59	0,85	0,84
Liquid Fuels	27.989,84	NCV	48,84	1,23	0,93	1.367,10	0,03	0,03
Solid Fuels	236.439,91	NCV	94,98	1,85	3,00	22.457,35	0,44	0,71
Gaseous Fuels	17.570,03	NCV	56,87	3,51	1,00	999,14	0,06	0,02
Biomass	22.230,00	NCV	95,63	14,44	4,00 ⁽³⁾	2.125,77	0,32	0,09
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Petroleum Refining	23.980,00	NCV				1.392,10	0,22	0,03
Liquid Fuels	15.340,00	NCV	58,70	3,91	1,09	900,49	0,06	0,02
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	8.640,00	NCV	56,90	18,46	1,00	491,62	0,16	0,01
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Manufacture of Solid Fuels and Other Energy Industries	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

(1)

(2) Accurate estimation of CH₄ and N₂O emissions depends on combustion conditions, technology, and emission control policy, as well as fuel characteristics. Therefore, caution should be used when comparing the implied emission factors.

(3) Carbon dioxide emissions from biomass are reported under Memo Items. The content of the cells is not included in the totals.

Note: For the coverage of fuel categories, please refer to the IPCC Guidelines (Volume 1. Reporting Instructions - Common Reporting Framework, section 1.2, p. 1.19). If some derived gases (e.g. gas work gas, coke oven gas, blast gas, oxygen steel furnace gas, etc.) are considered, Parties should provide information on the allocation of these derived gases under the above fuel categories (liquid, solid, gaseous, biomass, other fuels) in the documentation box at the end of sheet 4 of this table.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 2 of 4)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.2 Manufacturing Industries and Construction	85.830,03	NCV				6.040,24	0,73	0,40
Liquid Fuels	43.745,63	NCV	76,87	5,69	7,13	3.362,61	0,25	0,31
Solid Fuels	15.677,80	NCV	95,00	15,00	3,00	1.489,39	0,24	0,05
Gaseous Fuels	20.882,90	NCV	56,90	4,00	1,00	1.188,24	0,08	0,02
Biomass	5.523,70	NCV	99,00	30,14	3,80 ⁽³⁾	546,87	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Iron and Steel	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Non-Ferrous Metals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Chemicals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
d. Pulp, Paper and Print	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
e. Food Processing, Beverages and Tobacco	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
f. Other (please specify)	85.830,03	NCV				6.040,24	0,73	0,40
Liquid Fuels	43.745,63	NCV	76,87	5,69	7,13	3.362,61	0,25	0,31
Solid Fuels	15.677,80	NCV	95,00	15,00	3,00	1.489,39	0,24	0,05
Gaseous Fuels	20.882,90	NCV	56,90	4,00	1,00	1.188,24	0,08	0,02
Biomass	5.523,70	NCV	99,00	30,14	3,80 ⁽³⁾	546,87	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 3 of 4)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.3 Transport	140.736,16	NCV				10.355,99	2,70	0,46
Gasoline	69.721,84	NCV	72,96	32,67	2,46	5.087,25	2,28	0,17
Diesel	70.574,68	NCV	74,20	5,35	4,02	5.236,75	0,38	0,28
Natural Gas	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾	0,00	0,00	0,00
Other Fuels	439,65	NCV	72,76	105,65	0,50	31,99	0,05	0,00
a. Civil Aviation	2.557,85	NCV				184,28	0,01	0,01
Aviation Gasoline	113,59	NCV	73,00	21,90	2,00	8,29	0,00	0,00
Jet Kerosene	2.444,26	NCV	72,00	1,65	3,62	175,99	0,00	0,01
b. Road Transportation	127.089,22	NCV				9.337,32	2,62	0,40
Gasoline	67.163,99	NCV	73,00	33,82	2,42	4.902,97	2,27	0,16
Diesel Oil	59.912,31	NCV	74,00	5,77	3,94	4.433,51	0,35	0,24
Natural Gas	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels (please specify)	12,92	NCV				0,84	0,00	0,00
LPG		NCV	0,00	0,00	0,00			
	12,92	NCV	65,00	24,84	0,00	0,84	0,00	0,00
c. Railways	4.029,03	NCV				298,13	0,02	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Liquid Fuels	4.029,03	NCV	74,00	4,90	2,04	298,13	0,02	0,01
Other Fuels (please specify)	0,00	NCV				0,00	0,00	0,00
	0,00	NCV	0,00	0,00	0,00			
d. Navigation	7.060,06	NCV				536,26	0,06	0,04
Coal	0,00	NCV	0,00	0,00	0,00			
Residual Oil	3.559,81	NCV	78,00	1,76	4,89	277,66	0,01	0,02
Gas/Diesel Oil	3.073,53	NCV	74,00	1,94	7,12	227,44	0,01	0,02
Other Fuels (please specify)	426,72	NCV				31,15	0,05	0,00
Kerosene, Gasoline, LPG		NCV	0,00	0,00	0,00			
	426,72	NCV	73,00	108,10	0,52	31,15	0,05	0,00
e. Other Transportation	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 4 of 4)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.4 Other Sectors	141,987,66	NCV				8,944,57	6,44	0,70
Liquid Fuels	95,038,66	NCV	74,37	7,11	6,44	7,068,12	0,68	0,61
Solid Fuels	3,367,80	NCV	95,00	15,00	3,00	319,94	0,05	0,01
Gaseous Fuels	27,379,20	NCV	56,85	4,92	1,00	1,556,51	0,13	0,03
Biomass	16,202,00	NCV	101,20	344,28	3,10 ⁽³⁾	1,639,71	5,58	0,05
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Commercial/Institutional	22,591,00	NCV				1,489,66	0,26	0,04
Liquid Fuels	13,524,00	NCV	74,31	6,63	2,00	1,004,93	0,09	0,03
Solid Fuels	90,00	NCV	95,00	15,00	3,00	8,55	0,00	0,00
Gaseous Fuels	8,376,00	NCV	56,85	5,00	1,00	476,18	0,04	0,01
Biomass	601,00	NCV	80,99	215,97	2,07 ⁽³⁾	48,67	0,13	0,00
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Residential	85,061,09	NCV				5,034,49	5,95	0,17
Liquid Fuels	54,065,89	NCV	74,14	8,71	1,99	4,008,31	0,47	0,11
Solid Fuels	760,00	NCV	95,00	15,00	3,00	72,20	0,01	0,00
Gaseous Fuels	16,780,60	NCV	56,85	5,00	1,00	953,98	0,08	0,02
Biomass	13,454,60	NCV	101,98	399,82	3,00 ⁽³⁾	1,372,10	5,38	0,04
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Agriculture/Forestry/Fisheries	34,335,56	NCV				2,420,42	0,23	0,50
Liquid Fuels	27,448,76	NCV	74,86	4,20	17,38	2,054,88	0,12	0,48
Solid Fuels	2,517,80	NCV	95,00	15,00	3,00	239,19	0,04	0,01
Gaseous Fuels	2,222,60	NCV	56,85	4,00	1,00	126,35	0,01	0,00
Biomass	2,146,40	NCV	102,00	32,00	4,00 ⁽³⁾	218,93	0,07	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00			
I.A.5 Other (Not elsewhere specified) ⁽⁴⁾	0,00	NCV				119,01	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00	119,01	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

⁽⁴⁾ Include military fuel use under this category.

Documentation Box:

I.A.2f note: Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.

TABLE 1.A(b) SECTORAL BACKGROUND DATA FOR ENERGY
CO₂ from Fuel Combustion Activities - Reference Approach (IPCC Worksheet 1-1)
(Sheet 1 of 1)

Denmark
1990
April 11, 2001

FUEL TYPES			Unit	Production	Imports	Exports	International bunkers	Stock change	Apparent consumption	Conversion factor ⁽¹⁾ (TJ/Unit)	⁽¹⁾	Apparent consumption (TJ)	Carbon emission factor (t C/TJ)	Carbon content (Gg C)	Carbon stored (Gg C)	Net carbon emissions (Gg C)	Fraction of carbon oxidized	Actual CO ₂ emissions (Gg CO ₂)	
Liquid Fossil	Primary Fuels	Crude Oil							0,00		NCV	0,00		0,00		0,00		0,00	
		Orimulsion							0,00		NCV	0,00		0,00		0,00		0,00	
		Natural Gas Liquids							0,00		NCV	0,00		0,00		0,00		0,00	
	Secondary Fuels	Gasoline								0,00		NCV	0,00		0,00		0,00		0,00
		Jet Kerosene								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Other Kerosene								0,00		NCV	0,00		0,00		0,00		0,00
		Shale Oil								0,00		NCV	0,00		0,00		0,00		0,00
		Gas / Diesel Oil								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Residual Fuel Oil								0,00		NCV	0,00		0,00		0,00		0,00
		LPG								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Ethane								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Naphtha								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Bitumen								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Lubricants								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Petroleum Coke								0,00		NCV	0,00		0,00		0,00		0,00
		Refinery Feedstocks								0,00		NCV	0,00		0,00		0,00		0,00
		Other Oil								0,00		NCV	0,00		0,00		0,00		0,00
Liquid Fossil Totals												0,00		0,00	0,00	0,00		0,00	
Solid Fossil	Primary Fuels	Anthracite ⁽²⁾							0,00		NCV	0,00		0,00		0,00		0,00	
		Coking Coal							0,00		NCV	0,00		0,00	0,00	0,00		0,00	
		Other Bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Sub-bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Lignite							0,00		NCV	0,00		0,00		0,00		0,00	
		Oil Shale							0,00		NCV	0,00		0,00		0,00		0,00	
	Peat							0,00		NCV	0,00		0,00		0,00		0,00		
	Secondary Fuels	BKB & Patent Fuel							0,00		NCV	0,00		0,00		0,00		0,00	
		Coke Oven/Gas Coke							0,00		NCV	0,00		0,00		0,00		0,00	
	Solid Fuel Totals												0,00		0,00	0,00	0,00		0,00
Gaseous Fossil	Natural Gas (Dry)							0,00		NCV	0,00		0,00	0,00	0,00	0,00		0,00	
Total												0,00		0,00	0,00	0,00		0,00	
Biomass total												0,00		0,00	0,00	0,00		0,00	
	Solid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Liquid Biomass								0,00		NCV	0,00		0,00		0,00		0,00	
	Gas Biomass								0,00		NCV	0,00		0,00		0,00		0,00	

⁽¹⁾ To convert quantities expressed in natural units to energy units, use net calorific values (NCV). If gross calorific values (GCV) are used in this table, please indicate this by replacing "NCV" with "GCV" in this column.

⁽²⁾ If Anthracite is not separately available, include with Other Bituminous Coal.

TABLE 1.A(c) COMPARISON OF CO₂ EMISSIONS FROM FUEL COMBUSTION
(Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

FUEL TYPES	Reference approach		National approach ⁽¹⁾		Difference ⁽²⁾	
	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (%)	CO ₂ emissions (%)
Liquid Fuels (excluding international bunkers)	0,00	0,00	322,41	23.141,33	-100,00	-100,00
Solid Fuels (excluding international bunkers)	0,00	0,00	255,49	24.266,69	-100,00	-100,00
Gaseous Fuels	0,00	0,00	74,47	4.235,50	-100,00	-100,00
Other ⁽³⁾			0,44	31,99	-100,00	-100,00
Total ⁽³⁾	0,00	0,00	652,81	51.675,51	-100,00	-100,00

⁽¹⁾ "National approach" is used to indicate the approach (if different from the Reference approach) followed by the Party to estimate its CO₂ emissions from fuel combustion reported in the national GHG inventory.

⁽²⁾ Difference of the Reference approach over the National approach (i.e. difference = 100% x ((RA-NA)/NA), where NA = National approach and RA = Reference approach).

⁽³⁾ Emissions from biomass are not included.

Note: In addition to estimating CO₂ emissions from fuel combustion by sector, Parties should also estimate these emissions using the IPCC Reference approach, as found in the IPCC Guidelines, Worksheet 1-1(Volume 2. Workbook). The Reference approach is to assist in verifying the sectoral data. Parties should also complete the above tables to compare the alternative estimates, and if the emission estimates lie more than 2 percent apart, should explain the source of this difference in the documentation box provided.

Documentation Box:

TABLE 1.A(d) SECTORAL BACKGROUND DATA FOR ENERGY
Feedstocks and Non-Energy Use of Fuels
(Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

FUEL TYPE ⁽¹⁾	ACTIVITY DATA AND RELATED INFORMATION		IMPLIED EMISSION FACTOR	ESTIMATE
	Fuel quantity (TJ)	Fraction of carbon stored	Carbon emission factor (t C/TJ)	of carbon stored in non energy use of fuels (Gg C)
Naphtha ⁽²⁾			0,00	
Lubricants			0,00	
Bitumen			0,00	
Coal Oils and Tars (from Coking Coal)			0,00	
Natural Gas ⁽²⁾			0,00	
Gas/Diesel Oil ⁽²⁾			0,00	
LPG ⁽²⁾			0,00	
Butane ⁽²⁾			0,00	
Ethane ⁽²⁾			0,00	
Other (please specify) <input type="text"/>				
			0,00	

Additional information ^(a)

CO ₂ not emitted (Gg CO ₂)	Subtracted from energy sector (specify source category)
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	

⁽¹⁾ Where fuels are used in different industries, please enter in different rows.

⁽²⁾ Enter these fuels when they are used as feedstocks.

^(a) The fuel lines continue from the table to the left.

Note: The table is consistent with the IPCC Guidelines. Parties that take into account the emissions associated with the use and disposal of these feedstocks could continue to use their methodology, and provide explanation notes in the documentation box below.

Documentation box: A fraction of energy carriers is stored in such products as plastics or asphalt. The non-stored fraction of the carbon in the energy carrier or product is oxidized, resulting in carbon dioxide emissions, either during the use of the energy carriers in the industrial production (e.g. fertilizer production), or during the use of the products (e.g. solvents, lubricants), or in both (e.g. monomers). To report associated emissions use the above table, filling an extra "Additional information" table, as shown below.	
Associated CO ₂ emissions (Gg)	Allocated under <input type="text"/> ^(a) e.g. Industrial Processes, Waste Incineration, etc. (Specify source category) ^(a)

TABLE 1.B.1 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Solid Fuels
(Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTOR		EMISSIONS	
	Amount of fuel produced ⁽¹⁾	CH ₄	CO ₂	CH ₄	CO ₂
	(Mt)	(kg/t)	(kg/t)	(Gg)	(Gg)
1. B. 1. a. Coal Mining and Handling	0,00			0,00	0,00
i. Underground Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
ii. Surface Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00
Mining Activities		0,00	0,00		
Post-Mining Activities		0,00	0,00		
1. B. 1. b. Solid Fuel Transformation	0,00	0,00	0,00		
1. B. 1. c. Other (please specify) ⁽³⁾ <input type="button" value=""/>				3,30	0,00
Storage of solid fuel.		0,00	0,00		
	9,81	0,34	0,00	3,30	

⁽¹⁾ Use the documentation box to specify whether the fuel amount is based on the run-of-mine (ROM) production or on the saleable production.

⁽²⁾ Emissions both for Mining Activities and Post-Mining Activities are calculated with the activity data in lines Underground Mines and Surface Mines respectively.

⁽³⁾ Please click on the button to enter any other solid fuel related activities resulting in fugitive emissions, such as emissions from abandoned mines and waste piles.

Note: There are no clear references to the coverage of 1.B.1.b. and 1.B.1.c. in the IPCC Guidelines. Make sure that the emissions entered here are not reported elsewhere. If they are reported under another source category, indicate this (IE) and make a reference in Table 9 (completeness) and/or in the documentation box.

Documentation box:

Additional information ^(a)

Description	Value
Amount of CH ₄ drained (recovered) and utilized or flared (Gg)	
Number of active underground mines	
Number of mines with drainage (recovery) systems	

^(a) For underground mines.

TABLE 1.B.2 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Oil and Natural Gas
(Sheet 1 of 1)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA			IMPLIED EMISSION FACTORS			EMISSIONS		
	Description ⁽¹⁾	Unit	Value	CO ₂ (kg/unit) ⁽²⁾	CH ₄ (kg/unit) ⁽²⁾	N ₂ O (kg/unit) ⁽²⁾	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
1. B. 2. a. Oil ⁽³⁾							0,00	0,04	
i. Exploration	(e.g. number of wells drilled)		0,00	0,00	0,00				
ii. Production ⁽⁴⁾	(e.g. PJ of oil produced)		0,00	0,00	0,00				
iii. Transport	(e.g. PJ oil loaded in tankers)		0,00	0,00	0,00				
iv. Refining / Storage	(e.g. PJ oil refined)	Mg	7.263.000	0,00	0,01			0,04	
v. Distribution of oil products	(e.g. PJ oil refined)	Mg product	1.507.726	0,00	0,00				
vi. Other		Mg Crude	0	0,00	0,00				
1. B. 2. b. Natural Gas							0,00	8,45	
Exploration				0,00	0,00				
i. Production ⁽⁴⁾ / Processing	(e.g. PJ gas produced)	1000 m3	0	0,00	0,00				
ii. Transmission	(e.g. PJ gas consumed)	1000 m3	3.800.000	0,00	2,22			8,45	
Distribution	(e.g. PJ gas consumed)			0,00	0,00				
iii. Other Leakage	(e.g. PJ gas consumed)			0,00	0,00				
at industrial plants and power stations				0,00	0,00				
in residential and commercial sectors				0,00	0,00				
1. B. 2. c. Venting ⁽⁵⁾							0,00	0,00	
i. Oil	(e.g. PJ oil produced)			0,00	0,00				
ii. Gas	(e.g. PJ gas produced)			0,00	0,00				
iii. Combined				0,00	0,00				
Flaring							240,00	0,68	0,00
i. Oil	(e.g. PJ gas consumption)	GJ	4.218.006	56,90	0,16	0,00	240,00	0,68	0,00
ii. Gas	(e.g. PJ gas consumption)	GJ	0	0,00	0,00	0,00			
iii. Combined				0,00	0,00	0,00			
1.B.2.d. Other (please specify) ⁽⁶⁾				0,00	0,00	0,00	0,00	0,00	0,00

Additional information

Description	Value	Unit
Pipelines length (km)		
Number of oil wells		
Number of gas wells		
Gas throughput ^(a)		
Oil throughput ^(a)		
Other relevant information (specify)		

^(a) In the context of oil and gas production, throughput is a measure of the total production, such as barrels per day of oil, or cubic meters of gas per year. Specify the units of the reported value in the unit column. Take into account that these values should be consistent with the activity data reported under the production rows of the main table.

⁽¹⁾ Specify the activity data used and fill in the activity data description column, as given in the examples in brackets. Specify the unit of the activity data in the unit column. Use the document box to specify whether the fuel amount is based on the raw material production or on the saleable production. Note cases where more than one variable is used as activity data.

⁽²⁾ The unit of the implied emission factor will depend on the units of the activity data used, and is therefore not specified in this column. The unit of the implied emission factor for each activity will be kg/unit of activity data.

⁽³⁾ Use the category also to cover emissions from combined oil and gas production fields. Natural gas processing and distribution from these fields should be included under 1.B.2.b.ii and 1.B.2.b.iii, respectively.

⁽⁴⁾ If using default emission factors these categories will include emissions from production other than venting and flaring.

⁽⁵⁾ If using default emission factors, emissions from Venting and Flaring from all oil and gas production should be accounted for here. Parties using the IPCC software could report those emissions together, indicating so in the documentation box.

⁽⁶⁾ For example, fugitive CO₂ emissions from production of geothermal power could be reported here.

Documentation box:

TABLE 1.C SECTORAL BACKGROUND DATA FOR ENERGY
International Bunkers and Multilateral Operations
 (Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS			EMISSIONS		
	Consumption (TJ)	CO ₂ (t/TJ)	CH ₄ (kg/TJ)	N ₂ O (kg/TJ)	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Marine Bunkers	40.276,93				3.095,07	0,07	0,19
Gasoline	0,00	0,00	0,00	0,00			
Gas/Diesel Oil	11.632,67	74,00	1,69	4,68	860,82	0,02	0,05
Residual Fuel Oil	28.644,25	78,00	1,76	4,89	2.234,25	0,05	0,14
Lubricants	0,00	0,00	0,00	0,00			
Coal	0,00	0,00	0,00	0,00			
Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
		0,00	0,00	0,00			
Aviation Bunkers	24.923,34				1.794,52	0,04	0,07
Jet Kerosene	24.887,07	72,00	1,48	2,78	1.791,87	0,04	0,07
Gasoline	36,27	73,00	21,89	2,01	2,65	0,00	0,00
Multilateral Operations ⁽¹⁾							

Additional information

Fuel consumption	Allocation ^(a) (percent)	
	Domestic	International
Marine	14,91	85,09
Aviation	9,31	90,69

^(a) For calculating the allocation of fuel consumption, use the sums of fuel consumption by domestic navigation and aviation (Table 1.A(a)) and by international bunkers (Table 1.C).

⁽¹⁾ Parties may choose to report or not report the activity data and emission factors for multilateral operation consistent with the principle of confidentiality stated in the UNFCCC reporting guidelines on inventories. In any case, Parties should report the emissions from multilateral operations, where available, under the Memo Items section of the Summary tables and in the Sectoral report table for energy.

Note: In accordance with the IPCC Guidelines, international aviation and marine bunker fuel emissions from fuel sold to ships or aircraft engaged in international transport should be excluded from national totals and reported separately for informational purposes only.

Documentation box: Please explain how the consumption of international marine and aviation bunkers fuels was estimated and separated from the domestic consumption.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 1 of 2)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
Total Industrial Processes	1,005,50	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,81	0,00	0,00	0,33
A. Mineral Products	1,005,50	0,00	0,00							0,00	0,00	0,00	0,00
1. Cement Production	882,89												
2. Lime Production	122,61												
3. Limestone and Dolomite Use	0,00												
4. Soda Ash Production and Use	0,00												
5. Asphalt Roofing	0,00												
6. Road Paving with Asphalt	0,00												
7. Other (please specify)	0,00	0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,81	0,00	0,00	0,33
1. Ammonia Production	0,00	0,00											
2. Nitric Acid Production			0,00							0,81			
3. Adipic Acid Production			0,00										
4. Carbide Production	0,00	0,00											
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,33
C. Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Iron and Steel Production	0,00	0,00											
2. Ferroalloys Production	0,00	0,00											
3. Aluminium Production	0,00	0,00					0,00						
4. SF ₆ Used in Aluminium and Magnesium Foundries									0,00				
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

methods exist for both tiers.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 2 of 2)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
D. Other Production	0,00									0,00	0,00	0,00	0,00
1. Pulp and Paper													
2. Food and Drink ⁽²⁾	0,00												
E. Production of Halocarbons and SF₆					0,00		0,00		0,00				
1. By-product Emissions					0,00		0,00		0,00				
Production of HCFC-22					0,00								
Other					0,00		0,00		0,00				
2. Fugitive Emissions					0,00		0,00		0,00				
3. Other (please specify)					0,00		0,00		0,00				
F. Consumption of Halocarbons and SF₆				0,00	0,00	0,00	0,00	0,00	0,00				
1. Refrigeration and Air Conditioning Equipment					0,00		0,00		0,00				
2. Foam Blowing					0,00		0,00		0,00				
3. Fire Extinguishers					0,00		0,00		0,00				
4. Aerosols/ Metered Dose Inhalers					0,00		0,00		0,00				
5. Solvents					0,00		0,00		0,00				
6. Semiconductor Manufacture					0,00		0,00		0,00				
7. Electrical Equipment								0,00	0,00				
8. Other (please specify)				0,00	0,00	0,00	0,00	0,00	0,00				
Emissions of SF ₆ from (1) window plate production and (2) research laboratories								0,00	0,00				
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	0,00												

⁽²⁾ CO₂ from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO₂ emissions of non-biogenic origin should be reported.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
 (Sheet 1 of 2)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
A. Mineral Products						1,005,50		0,00		0,00	
1. Cement Production	<i>(e.g. cement or clinker production)</i>	1.619,98	0,55			882,89					
2. Lime Production		418,05	0,29			122,61					
3. Limestone and Dolomite Use		0,00	0,00								
4. Soda Ash						0,00					
Soda Ash Production		0,00	0,00								
Soda Ash Use			0,00								
5. Asphalt Roofing		0,00	0,00								
6. Road Paving with Asphalt		0,00	0,00								
7. Other <i>(please specify)</i>						0,00		0,00		0,00	
Glass Production			0,00								
		0,00	0,00	0,00	0,00						
B. Chemical Industry						0,00		0,00		0,00	
1. Ammonia Production ⁽³⁾		0,00	0,00	0,00	0,00						
2. Nitric Acid Production		400,00			0,00						
3. Adipic Acid Production		0,00			0,00						
4. Carbide Production			0,00	0,00		0,00		0,00			
Silicon Carbide		0,00	0,00	0,00							
Calcium Carbide			0,00	0,00							
5. Other <i>(please specify)</i>						0,00		0,00		0,00	
Carbon Black				0,00							
Ethylene			0,00	0,00	0,00						
Dichloroethylene				0,00							
Styrene				0,00							
Methanol				0,00							
		100,00	0,00	0,00	0,00						

⁽¹⁾ Where the IPCC Guidelines provide options for activity data, e.g. cement or clinker for estimating the emissions from Cement Production, specify the activity data used (as shown in the example in brackets) in order to make the choice of emission factor more transparent and to facilitate comparisons of implied emission factors.

⁽²⁾ Enter cases in which the final emissions are reduced with the quantities of emission recovery, oxidation, destruction, transformation. Adjusted emissions are reported and the quantitative information on recovery, oxidation, destruction, and transformation should be given in the additional columns provided.

⁽³⁾ To avoid double counting make offsetting deductions from fuel consumption (e.g. natural gas) in Ammonia Production, first for feedstock use of the fuel, and then to a sequestering use of the feedstock.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
(Sheet 2 of 2)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption Quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
C. Metal Production⁽⁴⁾						0,00		0,00		0,00	
1. Iron and Steel Production		0,00	0,00			0,00		0,00			
Steel		0,00	0,00								
Pig Iron		0,00	0,00	0,00							
Sinter		0,00	0,00	0,00							
Coke		0,00	0,00	0,00							
Other (please specify) <input type="checkbox"/>						0,00		0,00			
		0,00	0,00	0,00	0,00						
2. Ferroalloys Production		0,00	0,00	0,00							
3. Aluminium Production		0,00	0,00	0,00							
4. SF ₆ Used in Aluminium and Magnesium Foundries											
5. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		3,90	0,00	0,00	0,00						
D. Other Production						0,00					
1. Pulp and Paper											
2. Food and Drink			0,00								
G. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00	0,00					

⁽⁴⁾ More specific information (e.g. data on virgin and recycled steel production) could be provided in the documentation box.

Note: In case of confidentiality of the activity data information, the entries should provide aggregate figures but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 1 of 2)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs ⁽¹⁾	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	e-C ₃ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs ⁽¹⁾	SF ₆
	(t) ⁽²⁾																						
Total Actual Emissions of Halocarbons (by chemical) and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		1,80
C. Metal Production																0,00	0,00						1,30
Aluminium Production																0,00	0,00						
SF ₆ Used in Aluminium Foundries																							0,00
SF ₆ Used in Magnesium Foundries																							1,30
E. Production of Halocarbons and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
1. By-product Emissions	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production of HCFC-22	0,00																						
Other																							
2. Fugitive Emissions																							
3. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
F(a). Consumption of Halocarbons and SF₆ (actual emissions - Tier 2)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,50
1. Refrigeration and Air Conditioning Equipment																							
2. Foam Blowing																							
3. Fire Extinguishers																							
4. Aerosols/Metered Dose Inhalers																							
5. Solvents																							
6. Semiconductor Manufacture																							
7. Electrical Equipment																							
8. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,50
Emissions of SF ₆ from (1) window plate production and (2) research laboratories																							
																							0,50
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00

⁽¹⁾ Although shaded, the columns with HFCs and PFCs totals on sheet 1 are kept for consistency with sheet 2 of the table.

⁽²⁾ Note that the units used in this table differ from those used in the rest of the Sectoral report tables, i.e. [t] instead of [Gg].

Note: Where information is confidential the entries should provide aggregate figures but there should be a note indicating this in the relevant documentation boxes of the Sectoral background data tables or as a comment to the corresponding cell. Gases with GWP not yet agreed upon by the COP, should be reported in Table 9 (Completeness), sheet 2.

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 2 of 2)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ea	Total HFCs	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs	SF ₆
	(t) ⁽²⁾																						
F(p). Total Potential Emissions of Halocarbons (by chemical) and SF₆ ⁽³⁾	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production ⁽⁴⁾																							
Import:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Export:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Destroyed amount																							
GWP values used	11700	650	150	1300	2800	1000	1300	140	300	3800	2900	6300	560		6500	9200	7000	7000	8700	7500	7400		23900
Total Actual Emissions ⁽⁶⁾ (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production															0,00	0,00							0,00
E. Production of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F(a). Consumption of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	11,95
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Ratio of Potential/Actual Emissions from Consumption of Halocarbons and SF₆																							
Actual emissions - F(a) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	11,95
Potential emissions - F(p) (7) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential/Actual emissions ratio	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽³⁾ manner corresponding to the subsectors for actual emissions defined on sheet 1 of this table, these should be reported in an annex to sheet 2, using the format of sheet 1, sector F(a). Use Summary 3 of this common reporting format to indicate whether Tier 1a or Tier 1b was used.

⁽⁴⁾ Production refers to production of new chemicals. Recycled substances could be included here, but it should be ensured that double counting of emissions is avoided. Relevant explanations should be provided as a comment to the corresponding cell.

⁽⁵⁾ Relevant just for Tier 1b.

⁽⁶⁾ Sums of the actual emissions of each chemical of halocarbons and SF₆ from the source categories given in sheet 1 of the table multiplied by the corresponding GWP values.

⁽⁷⁾ Potential emissions of each chemical of halocarbons and SF₆ taken from row F(p) multiplied by the corresponding GWP values.

Note: As stated in the revised UNFCCC guidelines, Parties should report actual emissions of HFCs, PFCs and SF₆, where data are available, providing disaggregated data by chemical and source category in units of mass and in CO₂ equivalents. Parties reporting actual emissions should also report potential emissions for the sources where the concept of potential emissions applies, for reasons of transparency and comparability.

TABLE 2(II). C, E SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Metal Production; Production of Halocarbons and SF₆
(Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾ (kg/t)	EMISSIONS ⁽²⁾	
	Description ⁽¹⁾	(t)		(t)	⁽³⁾
C. PFCs and SF₆ from Metal Production					
PFCs from Aluminium Production					
CF ₄			0,00		
C ₂ F ₆			0,00		
SF ₆				1,30	
Aluminium Foundries	(SF ₆ consumption)		0,00		
Magnesium Foundries			0,00	1,30	
E. Production of Halocarbons and SF₆					
1. By-product Emissions					
Production of HCFC-22					
HFC-23			0,00		
Other (specify chemical) <input type="checkbox"/>			0,00		
2. Fugitive Emissions					
HFCs (specify chemical) <input type="checkbox"/>			0,00		
PFCs (specify chemical) <input type="checkbox"/>			0,00		
SF ₆			0,00		
3. Other (please specify) <input type="checkbox"/>			0,00		

⁽¹⁾ Specify the activity data used as shown in the examples within brackets. Where applying Tier 1b (for C), Tier 2 (for E) and country specific methods, specify any other relevant activity data used in the documentation box below.

⁽²⁾ Emissions and implied emission factors are after recovery.









⁽³⁾ Enter cases in which the final emissions are reported after subtracting the quantities of emission recovery, oxidation, destruction, transformation. Enter these quantities in the specified column and use the documentation box for further explanations.

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 1 of 2)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
1 Refrigeration									
Air Conditioning Equipment									
Domestic Refrigeration (<i>Specify chemical</i>) ⁽²⁾ 									
(e.g. HFC-32)									
(e.g. HFC-125)									
(e.g. HFC-134a)									
(e.g. HFC-152a)									
(e.g. HFC-143a)									
Commercial Refrigeration 									
Transport Refrigeration 									
Industrial Refrigeration 									
Stationary Air-Conditioning 									
Mobile Air-Conditioning 									
2 Foam Blowing									
Hard Foam 									
Soft Foam 									

⁽¹⁾ Parties should use the documentation box to provide information on the amount of the chemical recovered (recovery efficiency) and other relevant information used in the emission estimation.

⁽²⁾ Please click on the button to specify the chemical consumed, as given in the example. If needed, new rows could be added for reporting the disaggregated chemicals from a source by clicking on the corresponding button.

Note: Table 2.(II).F provides for reporting of the activity data and emission factors used to calculate actual emissions from consumption of halocarbons and SF₆ using the "bottom-up approach" (based on the total stock of equipment and estimated emission rates from this equipment). Some Parties may prefer to estimate their actual emissions following the alternative "top-down approach" (based on annual sales of equipment and/or gas). These Parties should provide the activity data used in the current format and any other relevant information in the documentation box at the end of Table2(II)Fs2. Data these Parties should provide includes (1) the amount of fluid used to fill new products, (2) the amount of fluid used to service existing products, (3) the amount of fluid originally used to fill retiring products (the total nameplate capacity of retiring products), (4) the product lifetime, and (5) the growth rate of product sales, if this has been used to calculate the amount of fluid originally used to fill retiring products. Alternatively, Parties may provide alternative formats with equivalent information. These formats may be considered for future versions of the common reporting format after the trial period.

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 2 of 2)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
3 Fire Extinguishers <input type="checkbox"/>									
4 Aerosols									
Metered Dose Inhalers <input type="checkbox"/>									
Other <input type="checkbox"/>									
5 Solvents <input type="checkbox"/>									
6 Semiconductors <input type="checkbox"/>									
7 Electric Equipment <input type="checkbox"/>									
8 Other (please specify) <input type="checkbox"/>									

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note indicating this and explanations in the documentation box.

Documentation box:

TABLE 3 SECTORAL REPORT FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark

1990

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	N ₂ O	NM VOC
	(Gg)		
Total Solvent and Other Product Use	123,58	0,00	42,30
A. Paint Application	79,18		25,40
B. Degreasing and Dry Cleaning	0,00		
C. Chemical Products, Manufacture and Processing			2,65
D. Other (please specify)	44,41	0,00	14,25
<i>(Use of N₂O for Anaesthesia)</i>	0,00		
<i>(N₂O from Fire Extinguishers)</i>	0,00		
<i>(N₂O from Aerosol Cans)</i>	0,00		
<i>(Other Use of N₂O)</i>	0,00		
	44,41		14,25

Please account for the quantity of carbon released in the form of NMVOC in both the NMVOC and the CO₂ columns.

Note: The IPCC Guidelines do not provide methodologies for the calculation of emissions of N₂O from Solvent and Other Product Use. If reporting such data, Parties should provide additional information (activity data and emission factors) used to make these estimates in the documentation box to Table 3.A-D.

TABLE 3.A-D SECTORAL BACKGROUND DATA FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS	
	Description	(kt)	CO ₂ (t/t)	N ₂ O (t/t)
A. Paint Application		0,00	0,00	0,00
B. Degreasing and Dry Cleaning		0,00	0,00	0,00
C. Chemical Products, Manufacture and Processing				
D. Other (please specify)⁽¹⁾				
<i>(Use of N₂O for Anaesthesia)</i>		0,00	0,00	0,00
<i>(N₂O from Fire Extinguishers)</i>		0,00	0,00	0,00
<i>(N₂O from Aerosol Cans)</i>		0,00	0,00	0,00
<i>(Other Use of N₂O)</i>		0,00	0,00	0,00

⁽¹⁾ Some probable sources are provided in brackets. Complement the list with other relevant sources. Make sure that the order is the same as in Table 3.

Note: The table follows the format of the IPCC Sectoral Report for Solvent and Other Product Use, although some of the source categories are not relevant to the direct GHG emissions.

Documentation box:

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 1 of 2)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK	CH ₄	N ₂ O	NO _x	CO	NMVOC
CATEGORIES	(Gg)				
Total Agriculture	192,86	33,09	0,00	0,00	1,08
A. Enteric Fermentation	150,10				
1. Cattle	133,90				
Dairy Cattle	78,32				
Non-Dairy Cattle	55,58				
2. Buffalo					
3. Sheep	1,27				
4. Goats					
5. Camels and Llamas					
6. Horses	0,69				
7. Mules and Asses					
8. Swine	14,25				
9. Poultry					
10. Other (please specify)	0,00				
B. Manure Management	42,75	1,49			0,00
1. Cattle	18,52				
Dairy Cattle	16,14				
Non-Dairy Cattle	2,38				
2. Buffalo					
3. Sheep	0,07				
4. Goats					
5. Camels and Llamas					
6. Horses	0,04				
7. Mules and Asses					
8. Swine	23,47				
9. Poultry	0,65				

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 2 of 2)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O	NO _x	CO	NMVOC
	(Gg)				
B. Manure Management (continued)					
10. Anaerobic Lagoons					
11. Liquid Systems		0,21			
12. Solid Storage and Dry Lot		1,28			
13. Other (please specify) <input type="checkbox"/>		0,00			0,00
C. Rice Cultivation	0,00				0,00
1. Irrigated	0,00				
2. Rainfed	0,00				
3. Deep Water	0,00				
4. Other (please specify) <input type="checkbox"/>	0,00				0,00
D. Agricultural Soils ⁽¹⁾	0,00	31,60			1,08
1. Direct Soil Emissions		20,03			1,08
2. Animal Production		1,27			
3. Indirect Emissions		10,30			
4. Other (please specify) <input type="checkbox"/>	0,00	0,00			0,00
E. Prescribed Burning of Savannas	0,00	0,00			
F. Field Burning of Agricultural Residues	0,00	0,00	0,00	0,00	0,00
1. Cereals	0,00	0,00			
2. Pulse	0,00	0,00			
3. Tuber and Root	0,00	0,00			
4. Sugar Cane	0,00	0,00			
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00
G. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ See footnote 4 to Summary 1.A of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category of the sector Agriculture should indicate the amount [Gg] of these emissions or removals in the documentation box to Table 4.D. Additional information (activity data, implied emissions factors) should also be provided using the relevant documentation box to Table 4.D. This table is not modified for reporting the CO₂ emissions and removals for the sake of consistency with the IPCC tables (i.e. IPCC Sectoral Report for Agriculture).

Note: The IPCC Guidelines do not provide methodologies for the calculation of CH₄ emissions, CH₄ and N₂O removals from agricultural soils, or CO₂ emissions from savanna burning or agricultural residues burning. If you have reported such data, you should provide additional information (activity data and emission factors) used to make these estimates using the relevant documentation boxes of the Sectoral background data tables.

TABLE 4.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

Denmark

1990

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA ⁽¹⁾ AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS
	Population size ⁽²⁾ (1000 head)	Average daily feed intake (MJ/day)	CH ₄ conversion (%)	CH ₄ (kg CH ₄ /head/yr)
1. Cattle	0			0,00
Dairy Cattle ⁽³⁾	753			104,00
Non-Dairy Cattle	1.486			37,40
2. Buffalo	0			0,00
3. Sheep	159			8,00
4. Goats	0			0,00
5. Camels and Llamas	0			0,00
6. Horses	38			18,00
7. Mules and Asses	0			0,00
8. Swine	9.497			1,50
9. Poultry	0			0,00
10. Other (please specify) <input type="checkbox"/>				0,00

Additional information (for Tier 2) ^(a)

Disaggregated list of animals ^(b)	Dairy Cattle	Non-Dairy Cattle	Other (specify)	Indicators:	
				Weight (kg)	Feeding situation ^(c)

^(a) Compare to Tables A-1 and A-2 of the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.31-4.34). These data are relevant if Parties do not have data on average feed intake.

^(b) Disaggregate to the split actually used. Add columns to the table if necessary.

^(c) Specify feeding situation as pasture, stall fed, confined, open range, etc.

⁽¹⁾ In the documentation boxes to all Sectoral background data tables for Agriculture, Parties should provide information on whether the activity data is one year or a 3-year average.

⁽²⁾ Parties are encouraged to provide detailed livestock population data by animal type and region in a separate table below the documentation box. This consistent set of animal population statistics should be used to estimate CH₄ emissions from enteric fermentation, CH₄ and N₂O from manure management, N₂O direct emissions from soil and N₂O emissions associated with manure production, as well as emissions from the use of manure as fuel, and sewage-related emissions reported in the waste sector.

⁽³⁾ Including data on dairy heifers, if available.

Documentation box:

TABLE 4.B(a) SECTORAL BACKGROUND DATA FOR AGRICULTURE
CH₄ Emissions from Manure Management
 (Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS CH ₄ (kg CH ₄ /head/yr)	
	Population size (1) (1000 head)	Allocation by climate region (2)			Typical animal mass (kg)	VS ⁽³⁾ daily excretion (kg dm/head/yr)		CH ₄ producing potential (Bo) ⁽³⁾ (CH ₄ m ³ /kg VS)
		Cool	Temperate	Warm				
		(%)						
1. Cattle	0						0,00	
Dairy Cattle ⁽⁴⁾	753						21,43	
Non-Dairy Cattle	1.486						1,60	
2. Buffalo	0						0,00	
3. Sheep	235						0,31	
4. Goats	0						0,00	
5. Camels and Llamas	0						0,00	
6. Horses	38						1,10	
7. Mules and Asses	0						0,00	
8. Swine	14.935						1,57	
9. Poultry	31.129						0,02	

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ Climate regions are defined in terms of annual average temperature as follows: Cool=less than 15°C; Temperate=15°C to 25°C inclusive; and Warm=greater than 25°C (see Table 4.2 of the IPCC Guidelines (Volume 3, Reference Manual, p. 4.8)).

⁽³⁾ VS=Volatile Solids; Bo=maximum methane producing capacity for manure IPCC Guidelines (Volume 3, Reference Manual, p.4.23 and p. 4.15.

⁽⁴⁾ Including data on dairy heifers, if available.

Documentation Box:

Additional information (for Tier 2)

Animal category ^(a)	Indicator	Climate region	Animal waste management system					
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range paddock	Other
Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Non-Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Swine	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						

^(a) Copy the above table as many times as necessary.

^(b) MCF = Methane Conversion Factor (IPCC Guidelines, (Volume 3, Reference Manual, p. 4.9)). In the case of use of other climate region categorization, please replace the entries in the cells with the climate regions for which the MCFs are specified.

TABLE 4.B(b) SECTORAL BACKGROUND DATA FOR AGRICULTURE
N₂O Emissions from Manure Management
(Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION								IMPLIED EMISSION FACTORS	
	Population size (⁽¹⁾ (1000s)	Nitrogen excretion (kg N/head/yr)	Nitrogen excretion per animal waste management system (kg N/yr)						Emission factor per animal waste management system (kg N ₂ O-N/kg N)	
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range and paddock	Other		
Non-Dairy Cattle	753								Anaerobic lagoon	0,000
Dairy Cattle	1.486								Liquid system	0,000
Sheep	235								Solid storage and dry lot	0,000
Swine	14.935								Other	0,000
Poultry	31.129									
Other (please specify) <input type="checkbox"/>										
Total per AWMS⁽²⁾			0,0	0,0	0,0	0,0	0,0	0,0		

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ AWMS - Animal Waste Management System.

Documentation box:

TABLE 4.C SECTORAL BACKGROUND DATA FOR AGRICULTURE

Rice Cultivation

(Sheet 1 of 1)

Denmark

1990

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR ⁽¹⁾	EMISSIONS
	Harvested area ⁽²⁾ (10 ⁻⁹ m ² /yr)	Organic amendments added ⁽³⁾ :		CH ₄ (g/m ²)	CH ₄ (Gg)
		type	(t/ha)		
1. Irrigated					0,00
Continuously Flooded				0,00	
Intermittently Flooded	Single Aeration			0,00	
	Multiple Aeration			0,00	
2. Rainfed					0,00
Flood Prone				0,00	
Drought Prone				0,00	
3. Deep Water					0,00
Water Depth 50-100 cm				0,00	
Water Depth > 100 cm				0,00	
4. Other (please specify)					0,00
				0,00	
Upland Rice ⁽⁴⁾					
Total ⁽⁴⁾	0,00				

⁽¹⁾ The implied emission factor takes account of all relevant corrections for continuously flooded fields without organic amendment plus the correction for the organic amendments, if used, as well as of the effect of different soil characteristics, if taken into account, on methane emissions.

⁽²⁾ Harvested area is the cultivated area multiplied by the number of cropping seasons per year.

⁽³⁾ Specify dry weight or wet weight for organic amendments.

⁽⁴⁾

Documentation box:

When disaggregating by more than one region within a country, provide additional information in the documentation box.

Where available, provide activity data and scaling factors by soil type and rice cultivar.

TABLE 4.D SECTORAL BACKGROUND DATA FOR AGRICULTURE

Agricultural Soils⁽¹⁾
(Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION		IMPLIED EMISSION FACTORS		EMISSIONS (Gg N ₂ O)
	Description	Value	Unit		
Direct Soil Emissions	N input to soils (kg N/yr)				20,03
Synthetic Fertilizers	Use of synthetic fertilizers (kg N/yr)	400.400.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,012	7,71
Animal Wastes Applied to Soils	Nitrogen input from manure applied to soils (kg N/yr)	246.300.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,009	3,47
N-fixing Crops	Dry pulses and soybeans produced (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	0,70
Crop Residue	Dry production of other crops (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	8,01
Cultivation of Histosols	Area of cultivated organic soils (ha)	18.440	(kg N ₂ O-N/ha) ⁽²⁾	5,000	0,14
Animal Production	N excretion on pasture range and paddock (kg N/yr)	43.400.000	(kg N₂O-N/kg N)⁽²⁾	0,019	1,27
Indirect Emissions					10,30
Atmospheric Deposition	(kg N/yr)	80.748.900	(kg N ₂ O-N/kg N) ⁽²⁾	0,010	1,27
Nitrogen Leaching and Run-off	N from fertilizers and animal wastes that is lost through leaching and run off (kg N/yr)	230.000.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,025	9,04
Other (please specify)					0,00
Sewage sludge used as fertilizer	(kg N/yr)		(kg N ₂ O-N/kg N) ⁽²⁾	0,000	
Industrial waste used as fertilizer	(kg N/yr)		(kg N ₂ O-N/kg N) ⁽²⁾	0,000	
				0,000	

Additional information

Fraction ^(a)	Description	Value
Frac _{BURN}	Fraction of crop residue burned	0,00
Frac _{FUEL}	Fraction of livestock N excretion in excrements burned for fuel	0,00
Frac _{GASF}	Fraction of synthetic fertilizer N applied to soils that volatilizes as NH ₃ and NO _x	0,02
Frac _{GASM}	Fraction of livestock N excretion that volatilizes as NH ₃ and NO _x	0,28
Frac _{GRAZ}	Fraction of livestock N excreted and deposited onto soil during grazing	
Frac _{LEACH}	Fraction of N input to soils that is lost through leaching and runoff	
Frac _{NCRBF}	Fraction of N in non-N-fixing crop	
Frac _{NCRO}	Fraction of N in N-fixing crop	
Frac _R	Fraction of crop residue removed from the field as crop	

^(a) Use the fractions as specified in the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.92 - 4.113).

⁽¹⁾ See footnote 4 to Summary 1.A. of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category should indicate the amount [Gg] of these emissions or removals and relevant additional information (activity data, implied emissions factors) in the documentation box.

⁽²⁾ To convert from N₂O-N to N₂O emissions, multiply by 44/28.

Documentation box:

TABLE 4.E SECTORAL BACKGROUND DATA FOR AGRICULTURE
Prescribed Burning of Savannas
(Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION					IMPLIED EMISSION FACTORS		EMISSIONS	
	Area of savanna burned (k ha/yr)	Average aboveground biomass density (t dm/ha)	Fraction of savanna burned	Biomass burned (Gg dm)	Nitrogen fraction in biomass	(kg/t dm)		(Gg)	
						CH ₄	N ₂ O	CH ₄	N ₂ O
(specify ecological zone) <input type="checkbox"/>								0,00	0,00
						0,00	0,00		

Additional information

	Living	Dead
Fraction of aboveground biomass		
Fraction oxidized		
Carbon fraction		

Documentation box:

TABLE 4.F SECTORAL BACKGROUND DATA FOR AGRICULTURE
Field Burning of Agricultural Residues
 (Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		EMISSIONS	
	Crop production (t)	Residue/ Crop ratio	Dry matter fraction	Fraction burned in fields	Biomass burned (Gg dm)	Nitrogen fraction in biomass of residues	CH ₄	N ₂ O	CH ₄	N ₂ O
							(kg/t dm)	(kg/t dm)	(Gg)	(Gg)
1. Cereals									0,00	0,00
Wheat							0,00	0,00		
Barley							0,00	0,00		
Maize							0,00	0,00		
Oats							0,00	0,00		
Rye							0,00	0,00		
Rice							0,00	0,00		
Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		
2. Pulse ⁽¹⁾									0,00	0,00
Dry bean							0,00	0,00		
Peas							0,00	0,00		
Soybeans							0,00	0,00		
Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		
3 Tuber and Root									0,00	0,00
Potatoes							0,00	0,00		
Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		
4 Sugar Cane							0,00	0,00		
5 Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		

⁽¹⁾ To be used in Table 4.D of this common reporting format.

Documentation Box:

TABLE 5 SECTORAL REPORT FOR LAND-USE CHANGE AND FORESTRY
(Sheet 1 of 1)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions/ removals	CH ₄	N ₂ O	NO _x	CO
	(Gg)						
Total Land-Use Change and Forestry	0,00	-916,00	-916,00	0,00	0,00	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-916,00	-916,00				
1. Tropical Forests			0,00				
2. Temperate Forests		-916,00	-916,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
Harvested Wood ⁽¹⁾			0,00				
			0,00				
B. Forest and Grassland Conversion⁽²⁾	0,00			0,00	0,00	0,00	0,00
1. Tropical Forests							
2. Temperate Forests							
3. Boreal Forests							
4. Grasslands/Tundra							
5. Other (please specify) <input type="checkbox"/>	0,00			0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00				
1. Tropical Forests			0,00				
2. Temperate Forests			0,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
D. CO₂ Emissions and Removals from Soil	0,00	0,00	0,00				
Cultivation of Mineral Soils			0,00				
Cultivation of Organic Soils			0,00				
Liming of Agricultural Soils			0,00				
Forest Soils			0,00				
Other (please specify) ⁽³⁾ <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
E. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00				

⁽¹⁾ Following the IPCC Guidelines, the harvested wood should be reported under Changes in Forest and Other Woody Biomass Stocks (Volume 3. Reference Manual, p.5.17).

⁽²⁾ Include only the emissions of CO₂ from Forest and Grassland Conversion. Associated removals should be reported under section D.

⁽³⁾ Include emissions from soils not reported under sections A, B and C.

Note: See footnote 4 to Summary 1.A of this common reporting format.

TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark
1990
April 11, 2001

**Changes in Forest and Other Woody Biomass Stocks
(Sheet 1 of 1)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES			ACTIVITY DATA		IMPLIED EMISSION FACTORS	ESTIMATES
			Area of forest/biomass stocks (kha)	Average annual growth rate (t dm/ha)	Implied carbon uptake factor (t C/ha)	Carbon uptake increment (Gg C)
Tropical	Plantations	<i>Acacia spp.</i>			0,00	
		<i>Eucalyptus spp.</i>			0,00	
		<i>Tectona grandis</i>			0,00	
		<i>Pinus spp</i>			0,00	
		<i>Pinus caribaea</i>			0,00	
		Mixed Hardwoods			0,00	
		Mixed Fast-Growing Hardwoods			0,00	
		Mixed Softwoods			0,00	
	Other Forests	Moist			0,00	
		Seasonal			0,00	
		Dry			0,00	
	Other (specify) <input type="checkbox"/>				0,00	
	Temperate	Plantations				0,00
					0,00	
Commercial		Evergreen			0,00	
		Deciduous			0,00	
Other (specify) <input type="checkbox"/>				0,00		
Boreal				0,00		
			Number of trees (1000s of trees)	Annual growth rate (kt dm/1000 trees)	Carbon uptake factor (t C/tree)	Carbon uptake increment (Gg C)
Non-Forest Trees (specify type) <input type="checkbox"/>						0,00
Total annual growth increment (Gg C)						0,00
Gg CO ₂						0,00
			Amount of biomass removed (kt dm)	Carbon emission factor (t C/t dm)	Carbon release (Gg C)	
Total biomass removed in Commercial Harvest				0,00		
Traditional Fuelwood Consumed				0,00		
Total Other Wood Use				0,00		
Total Biomass Consumption from Stocks ⁽¹⁾ (Gg C)					0,00	
Other Changes in Carbon Stocks ⁽²⁾ (Gg C)						
Gg CO ₂						0,00
Net annual carbon uptake (+) or release (-) (Gg C)						0,00
Net CO ₂ emissions (-) or removals (+) (Gg CO ₂)						0,00

⁽¹⁾ Make sure that the quantity of biomass burned off-site is subtracted from this total.

⁽²⁾ The net annual carbon uptake/release is determined by comparing the annual biomass growth versus annual harvest, including the decay of forest products and slash left during harvest. The IPCC Guidelines recommend default assumption that all carbon removed in wood and other biomass from forests is oxidized in the year of removal. The emissions from decay could be included under Other Changes in Carbon Stocks.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.B SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Forest and Grassland Conversion
 (Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS					EMISSIONS					
		On and off site burning				Decay of above-ground biomass ⁽¹⁾		Burning			Decay	Burning				Decay		
		Area converted annually (kha)	Annual net loss of biomass (kt dm)	Quantity of biomass burned		Average area converted (kha)	Average annual net loss of biomass (t dm/ha)	Average quantity of biomass left to decay (kt dm)	On site			Off site CO ₂	On site				Off site CO ₂	
				On site (kt dm)	Off site (kt dm)				CO ₂	CH ₄	N ₂ O		CO ₂	CH ₄	N ₂ O	CO ₂		
								(t/ha)					(Gg)					
Vegetation types	Tropical	Wet/Very Moist						0,00	0,00	0,00	0,00	0,00						
		Moist, short dry season						0,00	0,00	0,00	0,00	0,00						
		Moist, long dry season						0,00	0,00	0,00	0,00	0,00						
		Dry						0,00	0,00	0,00	0,00	0,00						
		Montane Moist						0,00	0,00	0,00	0,00	0,00						
		Montane Dry						0,00	0,00	0,00	0,00	0,00						
	Tropical Savanna/Grasslands							0,00	0,00	0,00	0,00	0,00						
Temperate		Coniferous						0,00	0,00	0,00	0,00	0,00						
		Broadleaf						0,00	0,00	0,00	0,00	0,00						
		Mixed Broadleaf/Coniferous						0,00	0,00	0,00	0,00	0,00						
	Grasslands							0,00	0,00	0,00	0,00	0,00						
Boreal		Mixed Broadleaf/Coniferous						0,00	0,00	0,00	0,00	0,00						
		Coniferous						0,00	0,00	0,00	0,00	0,00						
		Forest-tundra						0,00	0,00	0,00	0,00	0,00						
	Grasslands/Tundra							0,00	0,00	0,00	0,00	0,00						
	Other (please specify)							0,00	0,00	0,00	0,00	0,00						
								0,00	0,00	0,00	0,00	0,00						
Total													0,00	0,00	0,00	0,00	0,00	

⁽¹⁾ Activity data are for default 10-year average. Specify the average decay time which is appropriate for the local conditions, if other than 10 years.

Emissions/Removals	On site	Off site
Immediate carbon release from burning	0,00	0,00
Total On site and Off site (Gg C)	0,00	
Delayed emissions from decay (Gg C)	0,00	
Total annual carbon release (Gg C)	0,00	
Total annual CO ₂ emissions (Gg CO ₂)	0,00	

Additional information

Fractions	On site	Off site
Fraction of biomass burned (average)		
Fraction which oxidizes during burning (average)		
Carbon fraction of aboveground biomass (average)		
Fraction left to decay (average)		
Nitrogen-carbon ratio		

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.C SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Abandonment of Managed Lands
(Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		ESTIMATES	
		Total area abandoned and regrowing ⁽¹⁾		Annual rate of aboveground biomass growth		Carbon fraction of aboveground biomass		Rate of aboveground biomass carbon uptake		Annual carbon uptake in aboveground biomass	
		first 20 years (kha)	>20 years (kha)	first 20 years (t dm/ha)	>20 years (t dm/ha)	first 20 years	>20 years	first 20 years (t C/ha/yr)	>20 years (t C/ha/yr)	first 20 years (Gg C/yr)	>20 years (Gg C/yr)
Original natural ecosystems											
Tropical	Wet/Very Moist							0,00	0,00		
	Moist, short dry season							0,00	0,00		
	Moist, long dry season							0,00	0,00		
	Dry							0,00	0,00		
	Montane Moist							0,00	0,00		
	Montane Dry							0,00	0,00		
Tropical Savanna/Grasslands								0,00	0,00		
Temperate	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Broadleaf							0,00	0,00		
Grasslands								0,00	0,00		
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Forest-tundra							0,00	0,00		
Grasslands/Tundra								0,00	0,00		
Other (please specify)								0,00	0,00		
								0,00	0,00		
Total annual carbon uptake (Gg C)										0,00	
Total annual CO ₂ removal (Gg CO ₂)										0,00	

⁽¹⁾ If lands are regenerating to grassland, then the default assumption is that no significant changes in above-ground biomass occur.

Note: Sectoral background data tables on Land-use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.D SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
CO₂ Emissions and Removals from Soil
 (Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS	ESTIMATES
	Land area (Mha)	Average annual rate of soil carbon uptake/removal (Mg C/ha/yr)	Net change in soil carbon in mineral soils (Tg C over 20 yr)
Cultivation of Mineral Soils ⁽¹⁾			0,00
High Activity Soils		0,00	
Low Activity Soils		0,00	
Sandy		0,00	
Volcanic		0,00	
Wetland (Aquic)		0,00	
Other (please specify)			0,00
		0,00	
	Land area (ha)	Annual loss rate (Mg C/ha/yr)	Carbon emissions from organic soils (Mg C/yr)
Cultivation of Organic Soils			0,00
<i>Cool Temperate</i>			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
<i>Warm Temperate</i>			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
<i>Tropical</i>			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
	Total annual amount of lime (Mg)	Carbon conversion factor	Carbon emissions from liming (Mg C)
Liming of Agricultural Soils			0,00
Limestone Ca(CO ₃)		0,00	
Dolomite CaMg(CO ₃) ₂		0,00	
Total annual net carbon emissions from agriculturally impacted soils (Gg C)			0,00
Total annual net CO ₂ emissions from agriculturally impacted soils (Gg CO ₂)			0,00

Additional information

Year	Climate ^(a)	land-use/ management system ^(a)	Soil type					
			High activity soils	Low activity soils	Sandy	Volcanic	Wetland (Aquic)	Organic soil
percent distribution (%)								
20 years prior	(e.g. tropical, dry)	(e.g. savanna)						
		(e.g. irrigated cropping)						
inventory year								

^(a) These should represent the major types of land management systems per climate regions presented in the country as well as ecosystem types which were either converted to agriculture (e.g., forest, savanna, grassland) or have been derived from previous agricultural land-use (e.g., abandoned lands, reforested lands). Systems should also reflect differences in soil carbon stocks that can be related to differences in management (IPCC Guidelines (Volume 2. Workbook, Table 5-9, p. 5.26, and Appendix (pp. 5-31 - 5.38)).

⁽¹⁾ The information to be reported under Cultivation of Mineral Soils aggregates data per soil type over all land-use/management systems. This refers to land area data and to the emission estimates and implied emissions factors accordingly.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation Box:

TABLE 6 SECTORAL REPORT FOR WASTE
(Sheet 1 of 1)

Denmark

1990

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Waste	0,00	62,40	0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	0,00	62,40		0,00	0,00	0,00	
1. Managed Waste Disposal on Land	0,00	62,40					
2. Unmanaged Waste Disposal Sites	0,00	0,00					
3. Other (<i>please specify</i>)	0,00	0,00		0,00	0,00	0,00	
B. Wastewater Handling		0,00	0,00	0,00	0,00	0,00	
1. Industrial Wastewater		0,00	0,00				
2. Domestic and Commercial Wastewater		0,00	0,00				
3. Other (<i>please specify</i>)		0,00	0,00	0,00	0,00	0,00	
C. Waste Incineration	0,00	0,00	0,00				
D. Other (<i>please specify</i>)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biological or inorganic waste sources.

TABLE 6.A SECTORAL BACKGROUND DATA FOR WASTE
Solid Waste Disposal
(Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION				IMPLIED EMISSION FACTOR		EMISSIONS ⁽¹⁾	
	Annual MSW at the SWDS (Gg)	MCF	DOC degraded (Gg)	CH ₄ recovery ⁽²⁾ (Gg)	CH ₄ (t/t MSW)	CO ₂ (t/t MSW)	CH ₄ (Gg)	CO ₂ ⁽³⁾ (Gg)
1 Managed Waste Disposal on Land	3.175,10				0,02	0,00	62,40	
2 Unmanaged Waste Disposal Sites					0,00	0,00	0,00	0,00
- deep (>5 m)	0,00				0,00	0,00		
- shallow (<5 m)					0,00	0,00		
3 Other (please specify)					0,00	0,00	0,00	0,00

TABLE 6.C SECTORAL BACKGROUND DATA FOR WASTE
Waste Incineration
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA Amount of incinerated wastes (Gg)	IMPLIED EMISSION FACTOR			EMISSIONS		
		CO ₂ (kg/t waste)	CH ₄ (kg/t waste)	N ₂ O (kg/t waste)	CO ₂ ⁽³⁾ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Waste Incineration (please specify)	0,00				0,00	0,00	0,00
(biogenic) ⁽³⁾		0,00	0,00	0,00			
(plastics and other non-biogenic waste) ⁽³⁾		0,00	0,00	0,00			
		0,00	0,00	0,00			

MSW - Municipal Solid Waste, SWDS - Solid Waste Disposal Site, MCF - Methane Correction Factor, DOC - Degradable Organic Carbon (IPCC Guidelines (Volume 3. Reference Manual, section 6.2.4)). MSW includes household waste, yard/garden waste, commercial/market waste and organic industrial solid waste. MSW should not include inorganic industrial waste such as construction or demolition materials.

⁽¹⁾ Actual emissions (after recovery).

⁽²⁾ CH₄ recovered and flared or utilized.

⁽³⁾ Under Waste Disposal, CO₂ emissions should be reported only when the disposed wastes are combusted at the disposal site which might constitute a management practice. CO₂ emissions from non-biogenic wastes are included in the totals, while the CO₂ emissions from biogenic wastes are not included in the totals.

Documentation box:

All relevant information used in calculation should be provided in the additional information box and in the documentation box.
 Parties that use country specific models should note this with a brief rationale in the documentation box and fill the relevant cells only.

Additional information

Description	Value
Total population (1000s) ^(a)	
Urban population (1000s) ^(a)	
Waste generation rate (kg/capita/day)	
Fraction of MSW disposed to SWDS	
Fraction of DOC in MSW	
Fraction of wastes incinerated	
Fraction of wastes recycled	
CH ₄ oxidation factor (b)	
CH ₄ fraction in landfill gas	
Number of SWDS recovering CH ₄	
CH ₄ generation rate constant (k) ^(c)	
Time lag considered (yr) ^(c)	
Composition of landfilled waste (%)	
Paper and paperboard	
Food and garden waste	
Plastics	
Glass	
Textiles	
Other (specify)	
other - inert	
other - organic	

^(a) Specify whether total or urban population is used and the rationale for doing so.

^(b) See IPCC Guidelines (Volume 3. Reference Manual, p. 6.9).

^(c) For Parties using Tier 2 methods.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)

(Sheet 1 of 3)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)				(Gg)				
Total National Emissions and Removals	53,044,59	-916,00	278,67	35,53	0,00	0,00	0,00	0,00	0,00	0,00	268,21	680,65	174,85	182,72
1. Energy	51,915,51		23,42	2,43							267,40	680,65	122,15	182,39
A. Fuel Combustion														
Reference Approach ⁽²⁾	0,00													
Sectoral Approach ⁽²⁾	51,675,51		10,95	2,43							267,40	647,40	110,58	182,39
1. Energy Industries	26,215,70		1,07	0,87							95,80	8,00	1,16	133,32
2. Manufacturing Industries and Construction	6,040,24		0,73	0,40							21,83	14,63	4,22	22,29
3. Transport	10,355,99		2,70	0,46							110,16	482,82	88,37	12,87
4. Other Sectors	8,944,57		6,44	0,70							39,13	141,52	16,77	13,90
5. Other	119,01		0,00	0,00							0,48	0,43	0,06	0,02
B. Fugitive Emissions from Fuels	240,00		12,47	0,00							0,00	33,25	11,57	0,00
1. Solid Fuels	0,00		3,30	0,00							0,00	33,25	0,00	0,00
2. Oil and Natural Gas	240,00		9,17	0,00							0,00	0,00	11,57	0,00
2. Industrial Processes	1,005,50		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,81	0,00	0,00	0,33
A. Mineral Products	1,005,50		0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,81	0,00	0,00	0,33
C. Metal Production	0,00		0,00	0,00				0,00		0,00	0,00	0,00	0,00	0,00
D. Other Production ⁽³⁾	0,00										0,00	0,00	0,00	0,00
E. Production of Halocarbons and SF ₆						0,00		0,00		0,00				
F. Consumption of Halocarbons and SF ₆					0,00	0,00	0,00	0,00	0,00	0,00				
G. Other	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach. Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ Other Production includes Pulp and Paper and Food and Drink Production.

Note: The numbering of footnotes to all tables containing more than one sheet continue to the next sheet. Common footnotes are given only once at the first point of reference.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	emissions	removals			P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)						(Gg)				
3. Solvent and Other Product Use	123,58			0,00									42,30	
4. Agriculture	0,00	0,00	192,86	33,09							0,00	0,00	1,08	0,00
A. Enteric Fermentation			150,10											
B. Manure Management			42,75	1,49									0,00	
C. Rice Cultivation			0,00										0,00	
D. Agricultural Soils	⁽⁴⁾	⁽⁴⁾	0,00	31,60									1,08	
E. Prescribed Burning of Savannas			0,00	0,00						0,00	0,00		0,00	
F. Field Burning of Agricultural Residues			0,00	0,00						0,00	0,00		0,00	
G. Other			0,00	0,00						0,00	0,00		0,00	
5. Land-Use Change and Forestry	⁽⁵⁾ 0,00	⁽⁵⁾ -916,00	0,00	0,00						0,00	0,00	9,31	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	⁽⁵⁾ 0,00	⁽⁵⁾ -916,00												
B. Forest and Grassland Conversion	0,00		0,00	0,00						0,00	0,00	9,31		
C. Abandonment of Managed Lands	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00												
D. CO ₂ Emissions and Removals from Soil	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00												
E. Other	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00	0,00	0,00						0,00	0,00			
6. Waste	0,00		62,40	0,00						0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	⁽⁶⁾ 0,00		62,40									0,00	0,00	
B. Wastewater Handling			0,00	0,00						0,00	0,00	0,00		
C. Waste Incineration	⁽⁶⁾ 0,00		0,00	0,00						0,00	0,00	0,00	0,00	
D. Other	0,00		0,00	0,00						0,00	0,00	0,00	0,00	
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽⁴⁾ According to the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.2, 4.87), CO₂ emissions from agricultural soils are to be included under Land-Use Change and Forestry (LUCF). At the same time, the Summary Report 7A (Volume 1. Reporting Instructions, Tables.27) allows for reporting CO₂ emissions or removals from agricultural soils, either in the Agriculture sector, under D. Agricultural Soils or in the Land-Use Change and Forestry sector under D. Emissions and Removals from Soil. Parties may choose either way to report emissions or removals from this source in the common reporting format, but the way they have chosen to report should be clearly indicated, by inserting explanatory comments to the corresponding cells of Summary 1.A and Summary 1.B. Double-counting of these emissions or removals should be avoided. Parties should include these emissions or removals consistently in Table8(a) (Recalculation - Recalculated data) and Table10 (Emission trends).

⁽⁵⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽⁶⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biogenic or inorganic waste streams.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs		PFCs		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)					(Gg)			
Memo Items: ⁽⁷⁾														
International Bunkers	4,889,59		0,11	0,26							91,93	9,05	2,66	54,59
Aviation	1,794,52		0,04	0,07							7,30	1,85	0,39	0,11
Marine	3,095,07		0,07	0,19							84,63	7,20	2,26	54,47
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	4,312,34													

⁽⁷⁾ Memo Items are not included in the national totals.

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
	P	A	P	A	P	A	P	A	P	A				
Total National Emissions and Removals	53.044,59	-916,00	278,67	35,53	0,00	0,00	0,00	0,00	0,00	0,00	268,21	680,65	174,85	182,72
1. Energy	51.915,51		23,42	2,43							267,40	680,65	122,15	182,39
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	51.675,51	10,95	2,43							267,40	647,40	110,58	182,39
B. Fugitive Emissions from Fuels		240,00	12,47	0,00							0,00	33,25	11,57	0,00
2. Industrial Processes	1.005,50		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,81	0,00	0,00	0,33
3. Solvent and Other Product Use	123,58			0,00							0,00	0,00	42,30	0,00
4. Agriculture⁽³⁾	0,00	0,00	192,86	33,09							0,00	0,00	1,08	0,00
5. Land-Use Change and Forestry⁽⁴⁾	0,00⁽⁴⁾	-916,00⁽⁴⁾	0,00	0,00							0,00	0,00	9,31	0,00
6. Waste	0,00		62,40	0,00							0,00	0,00	0,00	0,00
7. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:														
International Bunkers	4.889,59		0,11	0,26							91,93	9,05	2,66	54,59
Aviation	1.794,52		0,04	0,07							7,30	1,85	0,39	0,11
Marine	3.095,07		0,07	0,19							84,63	7,20	2,26	54,47
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	4.312,34													

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in document box of Table 1.A(c). Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ See footnote 4 to Summary 1.A.

⁽⁴⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

SUMMARY 2 SUMMARY REPORT FOR CO₂ EQUIVALENT EMISSIONS
(Sheet 1 of 1)

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	Total
	CO ₂ equivalent (Gg)						
Total (Net Emissions)⁽¹⁾	52,128,59	5,852,17	11,012,89	0,00	0,00	43,02	69,036,67
1. Energy	51,915,51	491,81	753,60				53,160,92
A. Fuel Combustion (Sectoral Approach)	51,675,51	230,03	752,29				52,657,83
1. Energy Industries	26,215,70	22,55	268,79				26,507,03
2. Manufacturing Industries and Construction	6,040,24	15,42	124,24				6,179,90
3. Transport	10,355,99	56,74	141,09				10,553,82
4. Other Sectors	8,944,57	135,22	216,92				9,296,71
5. Other	119,01	0,10	1,25				120,37
B. Fugitive Emissions from Fuels	240,00	261,77	1,31				503,09
1. Solid Fuels	0,00	69,22	0,00				69,22
2. Oil and Natural Gas	240,00	192,56	1,31				433,87
2. Industrial Processes	1,005,50	0,00	0,00	0,00	0,00	43,02	1,048,52
A. Mineral Products	1,005,50	0,00	0,00				1,005,50
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00		0,00	31,07	31,07
D. Other Production	0,00						0,00
E. Production of Halocarbons and SF ₆				0,00	0,00	0,00	0,00
F. Consumption of Halocarbons and SF ₆				0,00	0,00	11,95	11,95
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	123,58		0,00				123,58
4. Agriculture	0,00	4,049,96	10,259,29				14,309,25
A. Enteric Fermentation		3,152,14					3,152,14
B. Manure Management		897,82	461,97				1,359,79
C. Rice Cultivation		0,00					0,00
D. Agricultural Soils ⁽²⁾		0,00	9,797,32				9,797,32
E. Prescribed Burning of Savannas		0,00	0,00				0,00
F. Field Burning of Agricultural Residues		0,00	0,00				0,00
G. Other		0,00	0,00				0,00
5. Land-Use Change and Forestry⁽¹⁾	-916,00	0,00	0,00				-916,00
6. Waste	0,00	1,310,40	0,00				1,310,40
A. Solid Waste Disposal on Land	0,00	1,310,40					1,310,40
B. Wastewater Handling		0,00	0,00				0,00
C. Waste Incineration	0,00	0,00	0,00				0,00
D. Other	0,00	0,00	0,00				0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:							
International Bunkers	4,889,59	2,26	81,81				4,973,66
Aviation	1,794,52	0,79	21,50				1,816,81
Marine	3,095,07	1,47	60,31				3,156,85
Multilateral Operations	0,00	0,00	0,00				0,00
CO₂ Emissions from Biomass	4,312,34						4,312,34

⁽¹⁾ For CO₂ emissions from Land-Use Change and Forestry the net emissions are to be reported. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions / removals	CH ₄	N ₂ O	Total emissions
	CO ₂ equivalent (Gg)					
Land-Use Change and Forestry						
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-916,00	-916,00			-916,00
B. Forest and Grassland Conversion	0,00		0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00			0,00
D. CO ₂ Emissions and Removals from Soil	0,00	0,00	0,00			0,00
E. Other	0,00	0,00	0,00	0,00	0,00	0,00
Total CO₂ Equivalent Emissions from Land-Use Change and Forestry	0,00	-916,00	-916,00	0,00	0,00	-916,00

Total CO₂ Equivalent Emissions without Land-Use Change and Forestry^(a) 69.952,67

Total CO₂ Equivalent Emissions with Land-Use Change and Forestry^(a) 69.036,67

^(a) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
(Sheet 1 of 2)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
1. Energy												
A. Fuel Combustion												
1. Energy Industries												
2. Manufacturing Industries and Construction												
3. Transport												
4. Other Sectors												
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
2. Oil and Natural Gas												
2. Industrial Processes												
A. Mineral Products												
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF ₆												
F. Consumption of Halocarbons and SF ₆												
G. Other												

⁽¹⁾ Use the following notation keys to specify the method applied: D (IPCC default), RA (Reference Approach), T1 (IPCC Tier 1), T1a, T1b, T1c (IPCC Tier 1a, Tier 1b and Tier 1c, respectively), T2 (IPCC Tier 2), T3 (IPCC Tier 3), C (CORINAIR), CS (Country Specific), M (Model). If using more than one method, enumerate the relevant methods. Explanations of any modifications to the default IPCC methods, as well as information on the proper use of methods per source category where more than one method is indicated, and explanations on the country specific methods, should be provided in the documentation box of the relevant Sectoral background data table.

⁽²⁾ Use the following notation keys to specify the emission factor used: D (IPCC default), C (CORINAIR), CS (Country Specific), PS (Plant Specific), M (Model). Where a mix of emission factors has been used, use different notations in one and the same cells with further explanation in the documentation box of the relevant Sectoral background data table.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 2 of 2)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation												
B. Manure Management												
C. Rice Cultivation												
D. Agricultural Soils												
E. Prescribed Burning of Savannas												
F. Field Burning of Agricultural Residues												
G. Other												
5. Land-Use Change and Forestry												
A. Changes in Forest and Other Woody Biomass Stocks												
B. Forest and Grassland Conversion												
C. Abandonment of Managed Lands												
D. CO ₂ Emissions and Removals from Soil												
E. Other												
6. Waste												
A. Solid Waste Disposal on Land												
B. Wastewater Handling												
C. Waste Incineration												
D. Other												
7. Other (please specify) <input type="checkbox"/>												

TABLE 7 OVERVIEW TABLE⁽¹⁾ FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 1 of 3)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
Total National Emissions and Removals																					
1 Energy																					
A. Fuel Combustion Activities																					
Reference Approach																					
Sectoral Approach																					
1. Energy Industries																					
2. Manufacturing Industries and Construction																					
3. Transport																					
4. Other Sectors																					
5. Other																					
B. Fugitive Emissions from Fuels																					
1. Solid Fuels																					
2. Oil and Natural Gas																					
2 Industrial Processes																					
A. Mineral Products																					
B. Chemical Industry																					
C. Metal Production																					
D. Other Production																					
E. Production of Halocarbons and SF ₆																					

⁽¹⁾ This table is intended to be used by Parties to summarize their own assessment of completeness (e.g. partial, full estimate, not estimated) and quality (high, medium, low) of major source/sink inventory estimates. The latter could be understood as a quality assessment of the uncertainty of the estimates. This table might change once the IPCC completes its work on managing uncertainties of GHG inventories. The title of the table was kept for consistency with the current table in the IPCC Guidelines.

Note: To fill in the table use the notation key as given in the IPCC Guidelines (Volume 1. Reporting Instructions, Tables. 37).

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 2 of 3)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
2 Industrial Processes (continued)																					
F. Consumption of Halocarbons and SF ₆																					
Potential ⁽²⁾																					
Actual ⁽³⁾																					
G. Other																					
3 Solvent and Other Product Use																					
4 Agriculture																					
A. Enteric Fermentation																					
B. Manure Management																					
C. Rice Cultivation																					
D. Agricultural Soils																					
E. Prescribed Burning of Savannas																					
F. Field Burning of Agricultural Residues																					
G. Other																					
5 Land-Use Change and Forestry																					
A. Changes in Forest and Other Woody Biomass Stocks																					
B. Forest and Grassland Conversion																					

⁽²⁾ Potential emissions based on Tier 1 approach of the IPCC Guidelines.

⁽³⁾ Actual emissions based on Tier 2 approach of the IPCC Guidelines.

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
 (Sheet 3 of 3)

Denmark
 1990
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
5 Land-Use Change and Forestry (continued)																					
C. Abandonment of Managed Lands																					
D. CO ₂ Emissions and Removals from Soil																					
E. Other																					
6 Waste																					
A. Solid Waste Disposal on Land																					
B. Wastewater Handling																					
C. Waste Incineration																					
D. Other																					
7 Other (please specify)																					
Memo Items:																					
International Bunkers																					
Aviation																					
Marine																					
Multilateral Operations																					
CO ₂ Emissions from Biomass																					

TABLE 8(a) RECALCULATION - RECALCULATED DATA

 Recalculated
(Sheet 1 of 2)

 year:

 Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		CO2			CH4			N2O		
		Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
		CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
Total National Emissions and Removals		51.977,65	52.128,59	0,29	5.848,29	5.852,17	0,07	10.825,20	11.012,89	1,73
1. Energy		51.756,32	51.915,51	0,31	488,04	491,81	0,77	567,30	753,60	32,84
1.A.	Fuel Combustion Activities	51.516,32	51.675,51	0,31	227,01	230,03	1,33	567,30	752,29	32,61
1.A.1.	Energy Industries	26.215,70	26.215,70	0,00	22,47	22,55	0,35	269,70	268,79	-0,34
1.A.2.	Manufacturing Industries and Construction	5.776,42	6.040,24	4,57	13,02	15,42	18,43	55,80	124,24	122,66
1.A.3.	Transport	10.741,35	10.355,99	-3,59	57,12	56,74	-0,66	145,70	141,09	-3,16
1.A.4.	Other Sectors	8.663,82	8.944,57	3,24	134,19	135,22	0,77	96,10	216,92	125,73
1.A.5.	Other	119,03	119,01	-0,01	0,21	0,10	-50,53	0,00	1,25	0,00
1.B.	Fugitive Emissions from Fuels	240,00	240,00	0,00	261,03	261,77	0,29	0,00	1,31	0,00
1.B.1.	Solid fuel	0,00	0,00	0,00	69,30	69,22	-0,12	0,00	0,00	0,00
1.B.2.	Oil and Natural Gas	240,00	240,00	0,00	191,73	192,56	0,43	0,00	1,31	0,00
2. Industrial Processes		1.005,50	1.005,50	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.A.	Mineral Products	1.005,50	1.005,50	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.B.	Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.C.	Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.D.	Other Production	0,00	0,00	0,00						
2.G.	Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use		131,83	123,58	-6,26				0,00	0,00	0,00
4. Agriculture		0,00	0,00	0,00	4.049,85	4.049,96	0,00	10.257,90	10.259,29	0,01
4.A.	Enteric Fermentation				3.152,10	3.152,14	0,00			
4.B.	Manure Management				897,75	897,82	0,01	461,90	461,97	0,01
4.C.	Rice Cultivation				0,00	0,00	0,00			
4.D.	Agricultural Soils (2)			0,00	0,00	0,00	0,00	9.796,00	9.797,32	0,01
4.E.	Prescribed Burning of Savannas				0,00	0,00	0,00	0,00	0,00	0,00
4.F.	Field Burning of Agricultural Residues				0,00	0,00	0,00	0,00	0,00	0,00
4.G.	Other				0,00	0,00	0,00	0,00	0,00	0,00
5. Land-Use Change and Forestry (net)		-916,00	-916,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
5.A.	Changes in Forest and Other Woody Biomass Stocks	-916,00	-916,00	0,00						
5.B.	Forest and Grassland Conversion			0,00			0,00			0,00
5.C.	Abandonment of Managed Lands			0,00						
5.D.	CO2 Emissions and Removals from Soil			0,00						
5.E.	Other			0,00			0,00			0,00

⁽¹⁾ Estimate the percentage change due to recalculation with respect to the previous submission (Percentage change = 100% x [(LS-PS)/PS], where LS = Latest submission and PS = Previous submission. All cases of recalculation of the estimate of the source/sink category, should be addressed and explained in Table 8(b) of this common reporting format.

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated
(Sheet 2 of 2)

year: 2001

Denmark
1990
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO2			CH4			N2O		
	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
6. Waste	0,00	0,00	0,00	1.310,40	1.310,40	0,00	0,00	0,00	0,00
6.A. Solid Waste Disposal on Land	0,00	0,00	0,00	1.310,40	1.310,40	0,00			
6.B. Wastewater Handling				0,00	0,00	0,00	0,00	0,00	0,00
6.C. Waste Incineration	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
6.D. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00			0,00			0,00
Memo Items:									
International Bunkers	4.986,24	4.889,59	-1,94	3,15	2,26	-28,22	77,50	81,81	5,56
Multilateral Operations	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
CO2 Emissions from Biomass	4.198,34	4.312,34	2,72						

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFCs			PFCs			SF6		
	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)	CO2 equivalent (Gg)		(%)
Total Actual Emissions	0,00	0,00	-100,00	0,00	0,00	0,00	0,00	43,02	0,00
2.C.3. Aluminium Production				0,00	0,00	0,00	0,00	31,07	0,00
2.E. Production of Halocarbons and SF6	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2.F. Consumption of Halocarbons and SF6	0,00	0,00	-100,00	0,00	0,00	0,00	0,00	11,95	0,00
Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential Emissions from Consumption of HFCs/PFCs and SF6		0,00		0,00	0,00		0,00	40,63	

	Previous submission	Latest submission	Difference(1)
	CO2 equivalent (Gg)		(%)
Total CO2 Equivalent Emissions with Land-Use Change and Forestry (3)	68.651,35	69.036,67	0,56
Total CO2 Equivalent Emissions without Land-Use Change and Forestry (3)	69.567,35	69.952,67	0,55

⁽³⁾ The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Denmark
 1990
 April 11, 2001

Specify the sector and source/sink category ⁽¹⁾ where changes in estimates have occurred:	GHG	RECALCULATION DUE TO			
		CHANGES IN:			Addition/removal/ replacement of source/sink categories
		Methods ⁽²⁾	Emission factors ⁽²⁾	Activity data ⁽²⁾	

⁽¹⁾ Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table (see Table 8(a)).

⁽²⁾ Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in Table 8(a). Include relevant changes in the assumptions and coefficients under the "Methods" column.

Documentation box: Use the documentation box to report the justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory.

TABLE 9 COMPLETENESS
(Sheet 1 of 2)

Denmark
1990
April 11, 2001

Sources and sinks not reported (NE) ⁽¹⁾				
GHG	Sector ⁽²⁾	Source/sink category ⁽²⁾	Explanation	
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				
Sources and sinks reported elsewhere (IE) ⁽³⁾				
GHG	Source/sink category	Allocation as per IPCC Guidelines	Allocation used by the Party	Explanation
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				


⁽¹⁾ Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.

⁽²⁾ Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).

⁽³⁾ Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.

TABLE 9 COMPLETENESS
(Sheet 2 of 2)

Denmark
 1990
 April 11, 2001

Additional GHG emissions reported ⁽⁴⁾						
GHG 	Source category	Emissions (Gg)	Estimated GWP value (100-year horizon)	Emissions CO ₂ equivalent (Gg)	Reference to the data source of GWP value	Explanation

⁽⁴⁾ Parties are encouraged to provide information on emissions of greenhouse gases whose GWP values have not yet been agreed upon by the COP. Please include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

TABLE 11 CHECK LIST OF REPORTED INVENTORY INFORMATION ⁽¹⁾									
Party: Denmark			Year: 1990						
Contact info:	Focal point for national GHG inventories:	Jytte Boll Illerup, National Environmental Research Institute							
	Address:	P.O. Box 358, Department of Policy Analysis, DK-4000 Roskilde							
	Telephone:	0045 46301289	Fax:	0045 46301212	E-mail:	jbi@dmu.dk			
	Main institution preparing the inventory:	National Environmental Research Institute, Ministry of Environment and Energy							
General info:	Date of submission:	11-apr-01							
	Base years:	1990	PFCs, HFCs, SF6:	1995					
	Year covered in the submission:	1990-1999							
	Gases covered:	CO2, CH4, N2O, NOx, CO, NMVOC, SO2, HFCs, PFCs, SF6							
Omissions in geographic coverage:	Denmark								
Tables:	Sectoral report tables:	<input checked="" type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	Sectoral background data tables:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Summary 1 (IPCC Summary tables):		IPCC Table 7A:		<input checked="" type="checkbox"/>	IPCC Table 7B:		<input checked="" type="checkbox"/>	
	Summary 2 (CO ₂ equivalent emissions):				<input checked="" type="checkbox"/>				
	Summary 3 (Methods/Emission factors):				<input checked="" type="checkbox"/>				
	Uncertainty:		IPCC Table 8A:		<input checked="" type="checkbox"/>	National information:		<input checked="" type="checkbox"/>	
	Recalculation tables:				<input checked="" type="checkbox"/>				
	Completeness table:				<input checked="" type="checkbox"/>				
Trend table:				<input checked="" type="checkbox"/>					
CO ₂	Comparison of CO ₂ from fuel combustion:	<input type="checkbox"/>	Worksheet 1-1	Percentage of difference	-100,00			Explanation of differences	<input type="checkbox"/>
Recalculation:	CO ₂	<input type="checkbox"/>	Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste	
	CH ₄	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	N ₂ O	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	HFCs, PFCs, SF ₆	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Explanations:	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Recalculation tables for all recalculated years:				<input type="checkbox"/>				
	Full CRF for the recalculated base year:				<input type="checkbox"/>				
HFCs, PFCs, SF ₆ :	Disaggregation by species:	<input checked="" type="checkbox"/>	HFCs	PFCs	SF6				
	Production of Halocarbons/SF ₆ :	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
	Consumption of Halocarbons/SF ₆ :		Actual	Potential	Actual	Potential	Actual	Potential	
	Potential/Actual emission ratio:	<input type="checkbox"/>	0,00	<input type="checkbox"/>	0,00	<input type="checkbox"/>	<input type="checkbox"/>	0,00	
	Reference to National Inventory Report and/or national inventory web site:	http://www.dmu.dk/1_english/1_viden/2_Miljoe-tilstand/3_lufv/4_adaei/default.asp							

CRF - Common Reporting Format.
LUCF - Land-Use Change and Forestry.

⁽¹⁾ For each omission, give an explanation for the reasons by inserting a comment to the corresponding cell.

Appendix 1.2

Total emissions for Denmark, Greenland and the Faroe Islands

Total emissions for Denmark, Greenland and the Faroe Islands (CO2 equivalent (Gg))

Denmark

1999

April 11, 2001

GREENHOUSE GAS EMISSIONS	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
	CO2 equivalent (Gg)									
Net CO2 emissions/removals	53.386,59	63.944,88	58.644,90	59.658,09	63.958,00	60.919,39	74.271,97	64.792,12	60.428,76	57.290,41
CH4	5.852,17	5.900,30	5.900,64	5.997,64	5.893,02	5.869,25	5.857,70	5.710,59	6.017,47	5.644,07
N2O	11.012,89	10.913,08	10.255,91	10.381,43	10.168,25	10.102,07	9.970,68	9.582,07	9.669,72	9.614,15
HFCs	0,00	0,00	3,22	30,20	57,59	125,99	278,30	343,57	503,11	621,17
PFCs	0,00	0,00	0,00	0,00	0,00	0,00	0,00	3,50	14,00	30,10
SF6	43,02	60,95	88,93	135,01	122,06	107,36	60,99	73,09	59,44	64,77
Total (with net CO2 emissions/removals)	70.294,67	80.819,21	74.893,61	76.202,37	80.198,91	77.124,07	90.439,64	80.504,94	76.692,49	73.264,66

Appendix 2.1

Emission inventory for 1990 adjusted for electricity

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 1 of 2)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Energy	58,215,51	23,42	2,43	267,40	680,65	122,15	182,39
A. Fuel Combustion Activities (Sectoral Approach)	57,975,51	10,95	2,43	267,40	647,40	110,58	182,39
1. Energy Industries	32,515,70	1,07	0,87	95,80	8,00	1,16	133,32
a. Public Electricity and Heat Production	31.123,59	0,85	0,84	91,70	7,57	1,01	125,63
b. Petroleum Refining	1.392,10	0,22	0,03	4,11	0,44	0,15	7,69
c. Manufacture of Solid Fuels and Other Energy Industries	0,00	0,00	0,00				
2. Manufacturing Industries and Construction	6,040,24	0,73	0,40	21,83	14,63	4,22	22,29
a. Iron and Steel	0,00	0,00	0,00				
b. Non-Ferrous Metals	0,00	0,00	0,00				
c. Chemicals	0,00	0,00	0,00				
d. Pulp, Paper and Print	0,00	0,00	0,00				
e. Food Processing, Beverages and Tobacco	0,00	0,00	0,00				
f. Other (<i>please specify</i>)	6.040,24	0,73	0,40	21,83	14,63	4,22	22,29
Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.							
				21,83	14,63	4,22	22,29
3. Transport	10,355,99	2,70	0,46	110,16	482,82	88,37	12,87
a. Civil Aviation	184,28	0,01	0,01	0,89	1,07	0,18	0,01
b. Road Transportation	9.337,32	2,62	0,40	97,42	472,02	82,95	5,92
c. Railways	298,13	0,02	0,01	2,79	0,54	0,20	0,38
d. Navigation	536,26	0,06	0,04	9,07	9,19	5,05	6,55
e. Other Transportation (<i>please specify</i>)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

TABLE 1 SECTORAL REPORT FOR ENERGY
(Sheet 2 of 2)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
4. Other Sectors	8,944,57	6,44	0,70	39,13	141,52	16,77	13,90
a. Commercial/Institutional	1,489,66	0,26	0,04	1,25	3,77	0,28	1,73
b. Residential	5,034,49	5,95	0,17	4,83	116,65	11,79	6,58
c. Agriculture/Forestry/Fisheries	2,420,42	0,23	0,50	33,05	21,10	4,71	5,59
5. Other (please specify) ⁽¹⁾	119,01	0,00	0,00	0,48	0,43	0,06	0,02
a. Stationary	0,00	0,00	0,00	0,00	0,00	0,00	0,00
b. Mobile	119,01	0,00	0,00	0,48	0,43	0,06	0,02
Emissions from military combustion of fuels.							
	119,01	0,00	0,00	0,48	0,43	0,06	0,02
B. Fugitive Emissions from Fuels	240,00	12,47	0,00	0,00	33,25	11,57	0,00
1. Solid Fuels	0,00	3,30	0,00	0,00	33,25	0,00	0,00
a. Coal Mining	0,00	0,00					
b. Solid Fuel Transformation	0,00	0,00					
c. Other (please specify)	0,00	3,30	0,00	0,00	33,25	0,00	0,00
Storage of solid fuel.							
					33,25		
2. Oil and Natural Gas	240,00	9,17	0,00	0,00	0,00	11,57	0,00
a. Oil	0,00	0,04				7,89	
b. Natural Gas	0,00	8,45				3,31	
c. Venting and Flaring	240,00	0,68	0,00	0,00	0,00	0,37	0,00
Venting	0,00	0,00				0,37	
Flaring	240,00	0,68	0,00				
d. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items: ⁽²⁾							
International Bunkers	4,889,59	0,11	0,26	91,93	9,05	2,66	54,59
Aviation	1,794,52	0,04	0,07	7,30	1,85	0,39	0,11
Marine	3,095,07	0,07	0,19	84,63	7,20	2,26	54,47
Multilateral Operations	0,00	0,00	0,00				
CO₂ Emissions from Biomass	4,312,34						

⁽¹⁾ Include military fuel use under this category.

⁽²⁾ Please do not include in energy totals.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 1 of 4)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	(¹)	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A. Fuel Combustion	696.763,62	NCV				51.675,51	10,95	2,43
Liquid Fuels	322.410,64	NCV	71,78	11,41	4,42	23.141,33	3,68	1,43
Solid Fuels	255.485,51	NCV	94,98	2,83	3,00	24.266,69	0,72	0,77
Gaseous Fuels	74.472,13	NCV	56,87	5,90	1,00	4.235,50	0,44	0,07
Biomass	43.955,70	NCV	98,11	137,99	3,64 ⁽³⁾	4.312,34	6,07	0,16
Other Fuels	439,65	NCV	72,76	105,65	0,50	31,99	0,05	0,00
I.A.1. Energy Industries	328.209,77	NCV				26.215,70	1,07	0,87
Liquid Fuels	43.329,84	NCV	52,33	2,18	0,98	2.267,59	0,09	0,04
Solid Fuels	236.439,91	NCV	94,98	1,85	3,00	22.457,35	0,44	0,71
Gaseous Fuels	26.210,03	NCV	56,88	8,44	1,00	1.490,75	0,22	0,03
Biomass	22.230,00	NCV	95,63	14,44	4,00 ⁽³⁾	2.125,77	0,32	0,09
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Public Electricity and Heat Production	304.229,77	NCV				24.823,59	0,85	0,84
Liquid Fuels	27.989,84	NCV	48,84	1,23	0,93	1.367,10	0,03	0,03
Solid Fuels	236.439,91	NCV	94,98	1,85	3,00	22.457,35	0,44	0,71
Gaseous Fuels	17.570,03	NCV	56,87	3,51	1,00	999,14	0,06	0,02
Biomass	22.230,00	NCV	95,63	14,44	4,00 ⁽³⁾	2.125,77	0,32	0,09
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
b. Petroleum Refining	23.980,00	NCV				1.392,10	0,22	0,03
Liquid Fuels	15.340,00	NCV	58,70	3,91	1,09	900,49	0,06	0,02
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	8.640,00	NCV	56,90	18,46	1,00	491,62	0,16	0,01
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Manufacture of Solid Fuels and Other Energy Industries	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

(1)

(2) Accurate estimation of CH₄ and N₂O emissions depends on combustion conditions, technology, and emission control policy, as well as fuel characteristics. Therefore, caution should be used when comparing the implied emission factors.

(3) Carbon dioxide emissions from biomass are reported under Memo Items. The content of the cells is not included in the totals.

Note: For the coverage of fuel categories, please refer to the IPCC Guidelines (Volume 1. Reporting Instructions - Common Reporting Framework, section 1.2, p. 1.19). If some derived gases (e.g. gas work gas, coke oven gas, blast gas, oxygen steel furnace gas, etc.) are considered, Parties should provide information on the allocation of these derived gases under the above fuel categories (liquid, solid, gaseous, biomass, other fuels) in the documentation box at the end of sheet 4 of this table.

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 2 of 4)

Denmark
 1990, Adj.eI.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.2 Manufacturing Industries and Construction	85.830,03	NCV				6.040,24	0,73	0,40
Liquid Fuels	43.745,63	NCV	76,87	5,69	7,13	3.362,61	0,25	0,31
Solid Fuels	15.677,80	NCV	95,00	15,00	3,00	1.489,39	0,24	0,05
Gaseous Fuels	20.882,90	NCV	56,90	4,00	1,00	1.188,24	0,08	0,02
Biomass	5.523,70	NCV	99,00	30,14	3,80 ⁽³⁾	546,87	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Iron and Steel	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Non-Ferrous Metals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Chemicals	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
d. Pulp, Paper and Print	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
e. Food Processing, Beverages and Tobacco	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			
f. Other (please specify)	85.830,03	NCV				6.040,24	0,73	0,40
Liquid Fuels	43.745,63	NCV	76,87	5,69	7,13	3.362,61	0,25	0,31
Solid Fuels	15.677,80	NCV	95,00	15,00	3,00	1.489,39	0,24	0,05
Gaseous Fuels	20.882,90	NCV	56,90	4,00	1,00	1.188,24	0,08	0,02
Biomass	5.523,70	NCV	99,00	30,14	3,80 ⁽³⁾	546,87	0,17	0,02
Other Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 3 of 4)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.3 Transport	140.736,16	NCV				10.355,99	2,70	0,46
Gasoline	69.721,84	NCV	72,96	32,67	2,46	5.087,25	2,28	0,17
Diesel	70.574,68	NCV	74,20	5,35	4,02	5.236,75	0,38	0,28
Natural Gas	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾	0,00	0,00	0,00
Other Fuels	439,65	NCV	72,76	105,65	0,50	31,99	0,05	0,00
a. Civil Aviation	2.557,85	NCV				184,28	0,01	0,01
Aviation Gasoline	113,59	NCV	73,00	21,90	2,00	8,29	0,00	0,00
Jet Kerosene	2.444,26	NCV	72,00	1,65	3,62	175,99	0,00	0,01
b. Road Transportation	127.089,22	NCV				9.337,32	2,62	0,40
Gasoline	67.163,99	NCV	73,00	33,82	2,42	4.902,97	2,27	0,16
Diesel Oil	59.912,31	NCV	74,00	5,77	3,94	4.433,51	0,35	0,24
Natural Gas	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels (please specify)	12,92	NCV				0,84	0,00	0,00
LPG		NCV	0,00	0,00	0,00			
	12,92	NCV	65,00	24,84	0,00	0,84	0,00	0,00
c. Railways	4.029,03	NCV				298,13	0,02	0,01
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Liquid Fuels	4.029,03	NCV	74,00	4,90	2,04	298,13	0,02	0,01
Other Fuels (please specify)	0,00	NCV				0,00	0,00	0,00
	0,00	NCV	0,00	0,00	0,00			
d. Navigation	7.060,06	NCV				536,26	0,06	0,04
Coal	0,00	NCV	0,00	0,00	0,00			
Residual Oil	3.559,81	NCV	78,00	1,76	4,89	277,66	0,01	0,02
Gas/Diesel Oil	3.073,53	NCV	74,00	1,94	7,12	227,44	0,01	0,02
Other Fuels (please specify)	426,72	NCV				31,15	0,05	0,00
Kerosene, Gasoline, LPG		NCV	0,00	0,00	0,00			
	426,72	NCV	73,00	108,10	0,52	31,15	0,05	0,00
e. Other Transportation	0,00	NCV				0,00	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00			
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			

TABLE 1.A(a) SECTORAL BACKGROUND DATA FOR ENERGY
Fuel Combustion Activities - Sectoral Approach
(Sheet 4 of 4)

Denmark
 1990, Adj.eI.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	AGGREGATE ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾			EMISSIONS		
	Consumption		CO ₂	CH ₄	N ₂ O	CO ₂	CH ₄	N ₂ O
	(TJ)	⁽¹⁾	(t/TJ)	(kg/TJ)	(kg/TJ)	(Gg)	(Gg)	(Gg)
I.A.4 Other Sectors	141,987,66	NCV				8,944,57	6,44	0,70
Liquid Fuels	95,038,66	NCV	74,37	7,11	6,44	7,068,12	0,68	0,61
Solid Fuels	3,367,80	NCV	95,00	15,00	3,00	319,94	0,05	0,01
Gaseous Fuels	27,379,20	NCV	56,85	4,92	1,00	1,556,51	0,13	0,03
Biomass	16,202,00	NCV	101,20	344,28	3,10 ⁽³⁾	1,639,71	5,58	0,05
Other Fuels	0,00	NCV	0,00	0,00	0,00	0,00	0,00	0,00
a. Commercial/Institutional	22,591,00	NCV				1,489,66	0,26	0,04
Liquid Fuels	13,524,00	NCV	74,31	6,63	2,00	1,004,93	0,09	0,03
Solid Fuels	90,00	NCV	95,00	15,00	3,00	8,55	0,00	0,00
Gaseous Fuels	8,376,00	NCV	56,85	5,00	1,00	476,18	0,04	0,01
Biomass	601,00	NCV	80,99	215,97	2,07 ⁽³⁾	48,67	0,13	0,00
Other Fuels	0,00	NCV	0,00	0,00	0,00			
b. Residential	85,061,09	NCV				5,034,49	5,95	0,17
Liquid Fuels	54,065,89	NCV	74,14	8,71	1,99	4,008,31	0,47	0,11
Solid Fuels	760,00	NCV	95,00	15,00	3,00	72,20	0,01	0,00
Gaseous Fuels	16,780,60	NCV	56,85	5,00	1,00	953,98	0,08	0,02
Biomass	13,454,60	NCV	101,98	399,82	3,00 ⁽³⁾	1,372,10	5,38	0,04
Other Fuels	0,00	NCV	0,00	0,00	0,00			
c. Agriculture/Forestry/Fisheries	34,335,56	NCV				2,420,42	0,23	0,50
Liquid Fuels	27,448,76	NCV	74,86	4,20	17,38	2,054,88	0,12	0,48
Solid Fuels	2,517,80	NCV	95,00	15,00	3,00	239,19	0,04	0,01
Gaseous Fuels	2,222,60	NCV	56,85	4,00	1,00	126,35	0,01	0,00
Biomass	2,146,40	NCV	102,00	32,00	4,00 ⁽³⁾	218,93	0,07	0,01
Other Fuels	0,00	NCV	0,00	0,00	0,00			
I.A.5 Other (Not elsewhere specified) ⁽⁴⁾	0,00	NCV				119,01	0,00	0,00
Liquid Fuels	0,00	NCV	0,00	0,00	0,00	119,01	0,00	0,00
Solid Fuels	0,00	NCV	0,00	0,00	0,00			
Gaseous Fuels	0,00	NCV	0,00	0,00	0,00			
Biomass	0,00	NCV	0,00	0,00	0,00 ⁽³⁾			
Other Fuels	0,00	NCV	0,00	0,00	0,00			

⁽⁴⁾ Include military fuel use under this category.

Documentation Box:

I.A.2f note: Emissions from combustion in (1) boilers, gas turbines and stationary engines and (2) industry mobile sources and machinery.

TABLE 1.A(b) SECTORAL BACKGROUND DATA FOR ENERGY
CO₂ from Fuel Combustion Activities - Reference Approach (IPCC Worksheet 1-1)
(Sheet 1 of 1)

Denmark
1990, Adj.e.l.ex.
April 11, 2001

FUEL TYPES			Unit	Production	Imports	Exports	International bunkers	Stock change	Apparent consumption	Conversion factor ⁽¹⁾ (TJ/Unit)	⁽¹⁾	Apparent consumption (TJ)	Carbon emission factor (t C/TJ)	Carbon content (Gg C)	Carbon stored (Gg C)	Net carbon emissions (Gg C)	Fraction of carbon oxidized	Actual CO ₂ emissions (Gg CO ₂)	
Liquid Fossil	Primary Fuels	Crude Oil							0,00		NCV	0,00		0,00		0,00		0,00	
		Orimulsion							0,00		NCV	0,00		0,00		0,00		0,00	
		Natural Gas Liquids							0,00		NCV	0,00		0,00		0,00		0,00	
	Secondary Fuels	Gasoline								0,00		NCV	0,00		0,00		0,00		0,00
		Jet Kerosene								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Other Kerosene								0,00		NCV	0,00		0,00		0,00		0,00
		Shale Oil								0,00		NCV	0,00		0,00		0,00		0,00
		Gas / Diesel Oil								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Residual Fuel Oil								0,00		NCV	0,00		0,00		0,00		0,00
		LPG								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Ethane								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Naphtha								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Bitumen								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Lubricants								0,00		NCV	0,00		0,00	0,00	0,00		0,00
		Petroleum Coke								0,00		NCV	0,00		0,00		0,00		0,00
		Refinery Feedstocks								0,00		NCV	0,00		0,00		0,00		0,00
		Other Oil								0,00		NCV	0,00		0,00		0,00		0,00
Liquid Fossil Totals												0,00		0,00	0,00	0,00		0,00	
Solid Fossil	Primary Fuels	Anthracite ⁽²⁾							0,00		NCV	0,00		0,00		0,00		0,00	
		Coking Coal							0,00		NCV	0,00		0,00	0,00	0,00		0,00	
		Other Bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Sub-bit. Coal							0,00		NCV	0,00		0,00		0,00		0,00	
		Lignite							0,00		NCV	0,00		0,00		0,00		0,00	
		Oil Shale							0,00		NCV	0,00		0,00		0,00		0,00	
	Peat							0,00		NCV	0,00		0,00		0,00		0,00		
	Secondary Fuels	BKB & Patent Fuel							0,00		NCV	0,00		0,00		0,00		0,00	
		Coke Oven/Gas Coke							0,00		NCV	0,00		0,00		0,00		0,00	
	Solid Fuel Totals												0,00		0,00	0,00	0,00		0,00
Gaseous Fossil	Natural Gas (Dry)							0,00		NCV	0,00		0,00	0,00	0,00	0,00		0,00	
Total												0,00		0,00	0,00	0,00		0,00	
Biomass total												0,00		0,00	0,00	0,00		0,00	
	Solid Biomass							0,00		NCV	0,00		0,00		0,00		0,00		
	Liquid Biomass							0,00		NCV	0,00		0,00		0,00		0,00		
	Gas Biomass							0,00		NCV	0,00		0,00		0,00		0,00		

⁽¹⁾ To convert quantities expressed in natural units to energy units, use net calorific values (NCV). If gross calorific values (GCV) are used in this table, please indicate this by replacing "NCV" with "GCV" in this column.

⁽²⁾ If Anthracite is not separately available, include with Other Bituminous Coal.

TABLE 1.A(c) COMPARISON OF CO₂ EMISSIONS FROM FUEL COMBUSTION
(Sheet 1 of 1)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

FUEL TYPES	Reference approach		National approach ⁽¹⁾		Difference ⁽²⁾	
	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (PJ)	CO ₂ emissions (Gg)	Energy consumption (%)	CO ₂ emissions (%)
Liquid Fuels (excluding international bunkers)	0,00	0,00	322,41	23.141,33	-100,00	-100,00
Solid Fuels (excluding international bunkers)	0,00	0,00	255,49	24.266,69	-100,00	-100,00
Gaseous Fuels	0,00	0,00	74,47	4.235,50	-100,00	-100,00
Other ⁽³⁾			0,44	31,99	-100,00	-100,00
Total ⁽³⁾	0,00	0,00	652,81	51.675,51	-100,00	-100,00

⁽¹⁾ "National approach" is used to indicate the approach (if different from the Reference approach) followed by the Party to estimate its CO₂ emissions from fuel combustion reported in the national GHG inventory.

⁽²⁾ Difference of the Reference approach over the National approach (i.e. difference = 100% x ((RA-NA)/NA), where NA = National approach and RA = Reference approach).

⁽³⁾ Emissions from biomass are not included.

Note: In addition to estimating CO₂ emissions from fuel combustion by sector, Parties should also estimate these emissions using the IPCC Reference approach, as found in the IPCC Guidelines, Worksheet 1-1(Volume 2. Workbook). The Reference approach is to assist in verifying the sectoral data. Parties should also complete the above tables to compare the alternative estimates, and if the emission estimates lie more than 2 percent apart, should explain the source of this difference in the documentation box provided.

Documentation Box:

TABLE 1.A(d) SECTORAL BACKGROUND DATA FOR ENERGY
Feedstocks and Non-Energy Use of Fuels
(Sheet 1 of 1)

Denmark
 1990, Adj.e.l.ex.
 April 11, 2001

FUEL TYPE ⁽¹⁾	ACTIVITY DATA AND RELATED INFORMATION		IMPLIED EMISSION FACTOR	ESTIMATE
	Fuel quantity (TJ)	Fraction of carbon stored	Carbon emission factor (t C/TJ)	of carbon stored in non energy use of fuels (Gg C)
Naphtha ⁽²⁾			0,00	
Lubricants			0,00	
Bitumen			0,00	
Coal Oils and Tars (from Coking Coal)			0,00	
Natural Gas ⁽²⁾			0,00	
Gas/Diesel Oil ⁽²⁾			0,00	
LPG ⁽²⁾			0,00	
Butane ⁽²⁾			0,00	
Ethane ⁽²⁾			0,00	
Other (please specify) <input type="text"/>				
			0,00	

Additional information ^(a)

CO ₂ not emitted (Gg CO ₂)	Subtracted from energy sector (specify source category)
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	
0,00	

⁽¹⁾ Where fuels are used in different industries, please enter in different rows.

⁽²⁾ Enter these fuels when they are used as feedstocks.

^(a) The fuel lines continue from the table to the left.

Note: The table is consistent with the IPCC Guidelines. Parties that take into account the emissions associated with the use and disposal of these feedstocks could continue to use their methodology, and provide explanation notes in the documentation box below.

Documentation box: A fraction of energy carriers is stored in such products as plastics or asphalt. The non-stored fraction of the carbon in the energy carrier or product is oxidized, resulting in carbon dioxide emissions, either during the use of the energy carriers in the industrial production (e.g. fertilizer production), or during the use of the products (e.g. solvents, lubricants), or in both (e.g. monomers). To report associated emissions use the above table, filling an extra "Additional information" table, as shown below.	
Associated CO ₂ emissions (Gg)	Allocated under <input type="text"/> ^(a) e.g. Industrial Processes, Waste Incineration, etc. (Specify source category) ^(a)

**TABLE 1.B.1 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Solid Fuels
(Sheet 1 of 1)**

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTOR		EMISSIONS	
	Amount of fuel produced ⁽¹⁾	CH ₄	CO ₂	CH ₄	CO ₂	
	(Mt)	(kg/t)	(kg/t)	(Gg)	(Gg)	
I. B. 1. a. Coal Mining and Handling	0,00			0,00	0,00	
i. Underground Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00	
Mining Activities		0,00	0,00			
Post-Mining Activities		0,00	0,00			
ii. Surface Mines ⁽²⁾	0,00	0,00	0,00	0,00	0,00	
Mining Activities		0,00	0,00			
Post-Mining Activities		0,00	0,00			
I. B. 1. b. Solid Fuel Transformation	0,00	0,00	0,00			
I. B. 1. c. Other (please specify)⁽³⁾				3,30	0,00	
Storage of solid fuel.		0,00	0,00			
	9,81	0,34	0,00	3,30		

Additional information^(a)

Description	Value
Amount of CH ₄ drained (recovered) and utilized or flared (Gg)	
Number of active underground mines	
Number of mines with drainage (recovery) systems	

^(a) For underground mines.

⁽¹⁾ Use the documentation box to specify whether the fuel amount is based on the run-of-mine (ROM) production or on the saleable production.

⁽²⁾ Emissions both for Mining Activities and Post-Mining Activities are calculated with the activity data in lines Underground Mines and Surface Mines respectively.

⁽³⁾ Please click on the button to enter any other solid fuel related activities resulting in fugitive emissions, such as emissions from abandoned mines and waste piles.

Note: There are no clear references to the coverage of I.B.1.b. and I.B.1.c. in the IPCC Guidelines. Make sure that the emissions entered here are not reported elsewhere. If they are reported under another source category, indicate this (IE) and make a reference in Table 9 (completeness) and/or in the documentation box.

Documentation box:

TABLE 1.B.2 SECTORAL BACKGROUND DATA FOR ENERGY
Fugitive Emissions from Oil and Natural Gas
(Sheet 1 of 1)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA			IMPLIED EMISSION FACTORS			EMISSIONS		
	Description ⁽¹⁾	Unit	Value	CO ₂ (kg/unit) ⁽²⁾	CH ₄ (kg/unit) ⁽²⁾	N ₂ O (kg/unit) ⁽²⁾	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
1. B. 2. a. Oil ⁽³⁾							0,00	0,04	
i. Exploration	(e.g. number of wells drilled)		0,00	0,00	0,00				
ii. Production ⁽⁴⁾	(e.g. PJ of oil produced)		0,00	0,00	0,00				
iii. Transport	(e.g. PJ oil loaded in tankers)		0,00	0,00	0,00				
iv. Refining / Storage	(e.g. PJ oil refined)	Mg	7.263.000	0,00	0,01			0,04	
v. Distribution of oil products	(e.g. PJ oil refined)	Mg product	1.507.726	0,00	0,00				
vi. Other		Mg Crude	0	0,00	0,00				
1. B. 2. b. Natural Gas							0,00	8,45	
Exploration				0,00	0,00				
i. Production ⁽⁴⁾ / Processing	(e.g. PJ gas produced)	1000 m3	0	0,00	0,00				
ii. Transmission	(e.g. PJ gas consumed)	1000 m3	3.800.000	0,00	2,22			8,45	
Distribution	(e.g. PJ gas consumed)			0,00	0,00				
iii. Other Leakage	(e.g. PJ gas consumed)			0,00	0,00				
at industrial plants and power stations				0,00	0,00				
in residential and commercial sectors				0,00	0,00				
1. B. 2. c. Venting ⁽⁵⁾							0,00	0,00	
i. Oil	(e.g. PJ oil produced)			0,00	0,00				
ii. Gas	(e.g. PJ gas produced)			0,00	0,00				
iii. Combined				0,00	0,00				
Flaring							240,00	0,68	0,00
i. Oil	(e.g. PJ gas consumption)	GJ	4.218.006	56,90	0,16	0,00	240,00	0,68	0,00
ii. Gas	(e.g. PJ gas consumption)	GJ	0	0,00	0,00	0,00			
iii. Combined				0,00	0,00	0,00			
1.B.2.d. Other (please specify) ⁽⁶⁾				0,00	0,00	0,00	0,00	0,00	0,00

Additional information

Description	Value	Unit
Pipelines length (km)		
Number of oil wells		
Number of gas wells		
Gas throughput ^(a)		
Oil throughput ^(a)		
Other relevant information (specify)		

^(a) In the context of oil and gas production, throughput is a measure of the total production, such as barrels per day of oil, or cubic meters of gas per year. Specify the units of the reported value in the unit column. Take into account that these values should be consistent with the activity data reported under the production rows of the main table.

⁽¹⁾ Specify the activity data used and fill in the activity data description column, as given in the examples in brackets. Specify the unit of the activity data in the unit column. Use the document box to specify whether the fuel amount is based on the raw material production or on the saleable production. Note cases where more than one variable is used as activity data.

⁽²⁾ The unit of the implied emission factor will depend on the units of the activity data used, and is therefore not specified in this column. The unit of the implied emission factor for each activity will be kg/unit of activity data.

⁽³⁾ Use the category also to cover emissions from combined oil and gas production fields. Natural gas processing and distribution from these fields should be included under 1.B.2.b.ii and 1.B.2.b.iii, respectively.

⁽⁴⁾ If using default emission factors these categories will include emissions from production other than venting and flaring.

⁽⁵⁾ If using default emission factors, emissions from Venting and Flaring from all oil and gas production should be accounted for here. Parties using the IPCC software could report those emissions together, indicating so in the documentation box.

⁽⁶⁾ For example, fugitive CO₂ emissions from production of geothermal power could be reported here.

Documentation box:

TABLE 1.C SECTORAL BACKGROUND DATA FOR ENERGY
International Bunkers and Multilateral Operations
(Sheet 1 of 1)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS			EMISSIONS		
	Consumption (TJ)	CO ₂ (t/TJ)	CH ₄ (kg/TJ)	N ₂ O (kg/TJ)	CO ₂ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Marine Bunkers	40.276,93				3.095,07	0,07	0,19
Gasoline	0,00	0,00	0,00	0,00			
Gas/Diesel Oil	11.632,67	74,00	1,69	4,68	860,82	0,02	0,05
Residual Fuel Oil	28.644,25	78,00	1,76	4,89	2.234,25	0,05	0,14
Lubricants	0,00	0,00	0,00	0,00			
Coal	0,00	0,00	0,00	0,00			
Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
		0,00	0,00	0,00			
Aviation Bunkers	24.923,34				1.794,52	0,04	0,07
Jet Kerosene	24.887,07	72,00	1,48	2,78	1.791,87	0,04	0,07
Gasoline	36,27	73,00	21,89	2,01	2,65	0,00	0,00
Multilateral Operations ⁽¹⁾							

Additional information

Fuel consumption	Allocation ^(a) (percent)	
	Domestic	International
Marine	14,91	85,09
Aviation	9,31	90,69

^(a) For calculating the allocation of fuel consumption, use the sums of fuel consumption by domestic navigation and aviation (Table 1.A(a)) and by international bunkers (Table 1.C).

⁽¹⁾ Parties may choose to report or not report the activity data and emission factors for multilateral operation consistent with the principle of confidentiality stated in the UNFCCC reporting guidelines on inventories. In any case, Parties should report the emissions from multilateral operations, where available, under the Memo Items section of the Summary tables and in the Sectoral report table for energy.

Note: In accordance with the IPCC Guidelines, international aviation and marine bunker fuel emissions from fuel sold to ships or aircraft engaged in international transport should be excluded from national totals and reported separately for informational purposes only.

Documentation box: Please explain how the consumption of international marine and aviation bunkers fuels was estimated and separated from the domestic consumption.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 1 of 2)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
Total Industrial Processes	1,005,50	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,81	0,00	0,00	0,33
A. Mineral Products	1,005,50	0,00	0,00							0,00	0,00	0,00	0,00
1. Cement Production	882,89												
2. Lime Production	122,61												
3. Limestone and Dolomite Use	0,00												
4. Soda Ash Production and Use	0,00												
5. Asphalt Roofing	0,00												
6. Road Paving with Asphalt	0,00												
7. Other (please specify)	0,00	0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,81	0,00	0,00	0,33
1. Ammonia Production	0,00	0,00											
2. Nitric Acid Production			0,00							0,81			
3. Adipic Acid Production			0,00										
4. Carbide Production	0,00	0,00											
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,33
C. Metal Production	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1. Iron and Steel Production	0,00	0,00											
2. Ferroalloys Production	0,00	0,00											
3. Aluminium Production	0,00	0,00					0,00						
4. SF ₆ Used in Aluminium and Magnesium Foundries									0,00				
5. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines. A = Actual emissions based on Tier 2 approach of the IPCC Guidelines. This only applies in sectors where methods exist for both tiers.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES
(Sheet 2 of 2)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
				P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)				(Gg)					
D. Other Production	0,00									0,00	0,00	0,00	0,00
1. Pulp and Paper													
2. Food and Drink ⁽²⁾	0,00												
E. Production of Halocarbons and SF₆					0,00		0,00		0,00				
1. By-product Emissions					0,00		0,00		0,00				
Production of HCFC-22					0,00								
Other					0,00		0,00		0,00				
2. Fugitive Emissions					0,00		0,00		0,00				
3. Other (please specify)					0,00		0,00		0,00				
F. Consumption of Halocarbons and SF₆				0,00	0,00	0,00	0,00	0,00	0,00				
1. Refrigeration and Air Conditioning Equipment					0,00		0,00		0,00				
2. Foam Blowing					0,00		0,00		0,00				
3. Fire Extinguishers					0,00		0,00		0,00				
4. Aerosols/ Metered Dose Inhalers					0,00		0,00		0,00				
5. Solvents					0,00		0,00		0,00				
6. Semiconductor Manufacture					0,00		0,00		0,00				
7. Electrical Equipment								0,00	0,00				
8. Other (please specify)				0,00	0,00	0,00	0,00	0,00	0,00				
Emissions of SF ₆ from (1) window plate production and (2) research laboratories								0,00	0,00				
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
	0,00												

⁽²⁾ CO₂ from Food and Drink Production (e.g. gasification of water) can be of biogenic or non-biogenic origin. Only information on CO₂ emissions of non-biogenic origin should be reported.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
 (Sheet 1 of 2)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
A. Mineral Products						1,005,50		0,00		0,00	
1. Cement Production	<i>(e.g. cement or clinker production)</i>	1.619,98	0,55			882,89					
2. Lime Production		418,05	0,29			122,61					
3. Limestone and Dolomite Use		0,00	0,00								
4. Soda Ash						0,00					
Soda Ash Production		0,00	0,00								
Soda Ash Use			0,00								
5. Asphalt Roofing		0,00	0,00								
6. Road Paving with Asphalt		0,00	0,00								
7. Other <i>(please specify)</i>						0,00		0,00		0,00	
Glass Production			0,00								
		0,00	0,00	0,00	0,00						
B. Chemical Industry						0,00		0,00		0,00	
1. Ammonia Production ⁽³⁾		0,00	0,00	0,00	0,00						
2. Nitric Acid Production		400,00			0,00						
3. Adipic Acid Production		0,00			0,00						
4. Carbide Production			0,00	0,00		0,00		0,00			
Silicon Carbide		0,00	0,00	0,00							
Calcium Carbide			0,00	0,00							
5. Other <i>(please specify)</i>						0,00		0,00		0,00	
Carbon Black				0,00							
Ethylene			0,00	0,00	0,00						
Dichloroethylene				0,00							
Styrene				0,00							
Methanol				0,00							
		100,00	0,00	0,00	0,00						

⁽¹⁾ Where the IPCC Guidelines provide options for activity data, e.g. cement or clinker for estimating the emissions from Cement Production, specify the activity data used (as shown in the example in brackets) in order to make the choice of emission factor more transparent and to facilitate comparisons of implied emission factors.

⁽²⁾ Enter cases in which the final emissions are reduced with the quantities of emission recovery, oxidation, destruction, transformation. Adjusted emissions are reported and the quantitative information on recovery, oxidation, destruction, and transformation should be given in the additional columns provided.

⁽³⁾ To avoid double counting make offsetting deductions from fuel consumption (e.g. natural gas) in Ammonia Production, first for feedstock use of the fuel, and then to a sequestering use of the feedstock.

TABLE 2(I).A-G SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Emissions of CO₂, CH₄ and N₂O
(Sheet 2 of 2)

Denmark
 1990, Adj.eI.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS			EMISSIONS ⁽²⁾					
	Production/Consumption Quantity		CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄		N ₂ O	
	Description ⁽¹⁾	(kt)	(t/t)	(t/t)	(t/t)	(Gg)	(²)	(Gg)	(²)	(Gg)	(²)
C. Metal Production⁽⁴⁾						0,00		0,00		0,00	
1. Iron and Steel Production		0,00	0,00			0,00		0,00			
Steel		0,00	0,00								
Pig Iron		0,00	0,00	0,00							
Sinter		0,00	0,00	0,00							
Coke		0,00	0,00	0,00							
Other (please specify) <input type="checkbox"/>						0,00		0,00			
		0,00	0,00	0,00	0,00						
2. Ferroalloys Production		0,00	0,00	0,00							
3. Aluminium Production		0,00	0,00	0,00							
4. SF ₆ Used in Aluminium and Magnesium Foundries											
5. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		3,90	0,00	0,00	0,00						
D. Other Production						0,00					
1. Pulp and Paper											
2. Food and Drink			0,00								
G. Other (please specify) <input type="checkbox"/>						0,00		0,00		0,00	
		0,00	0,00	0,00	0,00	0,00					

⁽⁴⁾ More specific information (e.g. data on virgin and recycled steel production) could be provided in the documentation box.

Note: In case of confidentiality of the activity data information, the entries should provide aggregate figures but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 1 of 2)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mcc	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ca	Total HFCs ⁽¹⁾	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	e-C ₃ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs ⁽¹⁾	SF ₆
	(t) ⁽²⁾																						
Total Actual Emissions of Halocarbons (by chemical) and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		1,80
C. Metal Production															0,00	0,00							1,30
Aluminium Production															0,00	0,00							
SF ₆ Used in Aluminium Foundries																							0,00
SF ₆ Used in Magnesium Foundries																							1,30
E. Production of Halocarbons and SF₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
1. By-product Emissions	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production of HCFC-22	0,00																						
Other																							
2. Fugitive Emissions																							
3. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
F(a). Consumption of Halocarbons and SF₆ (actual emissions - Tier 2)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,50
1. Refrigeration and Air Conditioning Equipment																							
2. Foam Blowing																							
3. Fire Extinguishers																							
4. Aerosols/Metered Dose Inhalers																							
5. Solvents																							
6. Semiconductor Manufacture																							
7. Electrical Equipment																							
8. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,50
Emissions of SF ₆ from (1) window plate production and (2) research laboratories																							
																							0,50
G. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00

⁽¹⁾ Although shaded, the columns with HFCs and PFCs totals on sheet 1 are kept for consistency with sheet 2 of the table.

⁽²⁾ Note that the units used in this table differ from those used in the rest of the Sectoral report tables, i.e. [t] instead of [Gg].

Note: Where information is confidential the entries should provide aggregate figures but there should be a note indicating this in the relevant documentation boxes of the Sectoral background data tables or as a comment to the corresponding cell. Gases with GWP not yet agreed upon by the COP, should be reported in Table 9 (Completeness), sheet 2.

TABLE 2(II) SECTORAL REPORT FOR INDUSTRIAL PROCESSES - EMISSIONS OF HFCs, PFCs AND SF₆
(Sheet 2 of 2)

Denmark
1990, Adj.cl.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFC-23	HFC-32	HFC-41	HFC-43-10mee	HFC-125	HFC-134	HFC-134a	HFC-152a	HFC-143	HFC-143a	HFC-227ea	HFC-236fa	HFC-245ea	Total HFCs	CF ₄	C ₂ F ₆	C ₃ F ₈	C ₄ F ₁₀	c-C ₄ F ₈	C ₅ F ₁₂	C ₆ F ₁₄	Total PFCs	SF ₆
	(t) ⁽²⁾																						
F(p). Total Potential Emissions of Halocarbons (by chemical) and SF₆ ⁽³⁾	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
Production ⁽⁴⁾																							
Import:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Export:	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00		0,00
In bulk																							
In products ⁽⁵⁾																							
Destroyed amount																							
GWP values used	11700	650	150	1300	2800	1000	1300	140	300	3800	2900	6300	560		6500	9200	7000	7000	8700	7500	7400		23900
Total Actual Emissions ⁽⁶⁾ (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production															0,00	0,00							0,00
E. Production of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
F(a). Consumption of Halocarbons and SF ₆	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	11,95
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Ratio of Potential/Actual Emissions from Consumption of Halocarbons and SF₆																							
Actual emissions - F(a) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	11,95
Potential emissions - F(p) (7) (Gg CO ₂ eq.)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Potential/Actual emissions ratio	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽³⁾ manner corresponding to the subsectors for actual emissions defined on sheet 1 of this table, these should be reported in an annex to sheet 2, using the format of sheet 1, sector F(a). Use Summary 3 of this common reporting format to indicate whether Tier 1a or Tier 1b was used.

⁽⁴⁾ Production refers to production of new chemicals. Recycled substances could be included here, but it should be ensured that double counting of emissions is avoided. Relevant explanations should be provided as a comment to the corresponding cell.

⁽⁵⁾ Relevant just for Tier 1b.

⁽⁶⁾ Sums of the actual emissions of each chemical of halocarbons and SF₆ from the source categories given in sheet 1 of the table multiplied by the corresponding GWP values.

⁽⁷⁾ Potential emissions of each chemical of halocarbons and SF₆ taken from row F(p) multiplied by the corresponding GWP values.

Note: As stated in the revised UNFCCC guidelines, Parties should report actual emissions of HFCs, PFCs and SF₆, where data are available, providing disaggregated data by chemical and source category in units of mass and in CO₂ equivalents. Parties reporting actual emissions should also report potential emissions for the sources where the concept of potential emissions applies, for reasons of transparency and comparability.

TABLE 2(II). C, E SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Metal Production; Production of Halocarbons and SF₆
(Sheet 1 of 1)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS ⁽²⁾	EMISSIONS ⁽²⁾	
	Description ⁽¹⁾	(t)	(kg/t)	(t)	⁽³⁾
C. PFCs and SF₆ from Metal Production					
PFCs from Aluminium Production					
CF ₄			0,00		
C ₂ F ₆			0,00		
SF ₆				1,30	
Aluminium Foundries	(SF ₆ consumption)		0,00		
Magnesium Foundries			0,00	1,30	
E. Production of Halocarbons and SF₆					
1. By-product Emissions					
Production of HCFC-22					
HFC-23			0,00		
Other (specify chemical)					
			0,00		
2. Fugitive Emissions					
HFCs (specify chemical)					
			0,00		
PFCs (specify chemical)					
			0,00		
SF ₆			0,00		
3. Other (please specify)					
			0,00		

⁽¹⁾ Specify the activity data used as shown in the examples within brackets. Where applying Tier 1b (for C), Tier 2 (for E) and country specific methods, specify any other relevant activity data used in the documentation box below.

⁽²⁾ Emissions and implied emission factors are after recovery.









⁽³⁾ Enter cases in which the final emissions are reported after subtracting the quantities of emission recovery, oxidation, destruction, transformation. Enter these quantities in the specified column and use the documentation box for further explanations.

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note in the documentation box indicating this.

Documentation box:

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 1 of 2)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
1 Refrigeration									
Air Conditioning Equipment									
Domestic Refrigeration (<i>Specify chemical</i>) ⁽²⁾ 									
(e.g. HFC-32)									
(e.g. HFC-125)									
(e.g. HFC-134a)									
(e.g. HFC-152a)									
(e.g. HFC-143a)									
Commercial Refrigeration 									
Transport Refrigeration 									
Industrial Refrigeration 									
Stationary Air-Conditioning 									
Mobile Air-Conditioning 									
2 Foam Blowing									
Hard Foam 									
Soft Foam 									

⁽¹⁾ Parties should use the documentation box to provide information on the amount of the chemical recovered (recovery efficiency) and other relevant information used in the emission estimation.

⁽²⁾ Please click on the button to specify the chemical consumed, as given in the example. If needed, new rows could be added for reporting the disaggregated chemicals from a source by clicking on the corresponding button.

Note: Table 2.(II).F provides for reporting of the activity data and emission factors used to calculate actual emissions from consumption of halocarbons and SF₆ using the "bottom-up approach" (based on the total stock of equipment and estimated emission rates from this equipment). Some Parties may prefer to estimate their actual emissions following the alternative "top-down approach" (based on annual sales of equipment and/or gas). These Parties should provide the activity data used in the current format and any other relevant information in the documentation box at the end of Table2(II)Fs2. Data these Parties should provide includes (1) the amount of fluid used to fill new products, (2) the amount of fluid used to service existing products, (3) the amount of fluid originally used to fill retiring products (the total nameplate capacity of retiring products), (4) the product lifetime, and (5) the growth rate of product sales, if this has been used to calculate the amount of fluid originally used to fill retiring products. Alternatively, Parties may provide alternative formats with equivalent information. These formats may be considered for future versions of the common reporting format after the trial period.

TABLE 2(II).F SECTORAL BACKGROUND DATA FOR INDUSTRIAL PROCESSES
Consumption of Halocarbons and SF₆
 (Sheet 2 of 2)

Denmark
 1990, Adj.e.l.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA <i>Amount of fluid</i>			IMPLIED EMISSION FACTORS			EMISSIONS		
	Filled in new manufactured products	In operating systems (average annual stocks)	Remained in products at decommissioning ⁽¹⁾	Product manufacturing factor	Product life factor	Disposal loss factor	From manufacturing	From stocks	From disposal
	(t)			(% per annum)			(t)		
3 Fire Extinguishers <input type="checkbox"/>									
4 Aerosols									
Metered Dose Inhalers <input type="checkbox"/>									
Other <input type="checkbox"/>									
5 Solvents <input type="checkbox"/>									
6 Semiconductors <input type="checkbox"/>									
7 Electric Equipment <input type="checkbox"/>									
8 Other (please specify) <input type="checkbox"/>									

Note: Where the activity data are confidential, the entries should provide aggregate figures, but there should be a note indicating this and explanations in the documentation box.

Documentation box:

TABLE 3 SECTORAL REPORT FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	N ₂ O	NM VOC
	(Gg)		
Total Solvent and Other Product Use	123,58	0,00	42,30
A. Paint Application	79,18		25,40
B. Degreasing and Dry Cleaning	0,00		
C. Chemical Products, Manufacture and Processing			2,65
D. Other (please specify)	44,41	0,00	14,25
<i>(Use of N₂O for Anaesthesia)</i>	0,00		
<i>(N₂O from Fire Extinguishers)</i>	0,00		
<i>(N₂O from Aerosol Cans)</i>	0,00		
<i>(Other Use of N₂O)</i>	0,00		
	44,41		14,25

Please account for the quantity of carbon released in the form of NMVOC in both the NMVOC and the CO₂ columns.

Note: The IPCC Guidelines do not provide methodologies for the calculation of emissions of N₂O from Solvent and Other Product Use. If reporting such data, Parties should provide additional information (activity data and emission factors) used to make these estimates in the documentation box to Table 3.A-D.

TABLE 3.A-D SECTORAL BACKGROUND DATA FOR SOLVENT AND OTHER PRODUCT USE
(Sheet 1 of 1)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA		IMPLIED EMISSION FACTORS	
	Description	(kt)	CO ₂ (t/t)	N ₂ O (t/t)
A. Paint Application		0,00	0,00	0,00
B. Degreasing and Dry Cleaning		0,00	0,00	0,00
C. Chemical Products, Manufacture and Processing				
D. Other (please specify)⁽¹⁾				
<i>(Use of N₂O for Anaesthesia)</i>		0,00	0,00	0,00
<i>(N₂O from Fire Extinguishers)</i>		0,00	0,00	0,00
<i>(N₂O from Aerosol Cans)</i>		0,00	0,00	0,00
<i>(Other Use of N₂O)</i>		0,00	0,00	0,00

⁽¹⁾ Some probable sources are provided in brackets. Complement the list with other relevant sources. Make sure that the order is the same as in Table 3.

Note: The table follows the format of the IPCC Sectoral Report for Solvent and Other Product Use, although some of the source categories are not relevant to the direct GHG emissions.

Documentation box:

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 1 of 2)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK	CH ₄	N ₂ O	NO _x	CO	NMVOC
CATEGORIES	(Gg)				
Total Agriculture	192,86	33,09	0,00	0,00	1,08
A. Enteric Fermentation	150,10				
1. Cattle	133,90				
Dairy Cattle	78,32				
Non-Dairy Cattle	55,58				
2. Buffalo					
3. Sheep	1,27				
4. Goats					
5. Camels and Llamas					
6. Horses	0,69				
7. Mules and Asses					
8. Swine	14,25				
9. Poultry					
10. Other (please specify)	0,00				
B. Manure Management	42,75	1,49			0,00
1. Cattle	18,52				
Dairy Cattle	16,14				
Non-Dairy Cattle	2,38				
2. Buffalo					
3. Sheep	0,07				
4. Goats					
5. Camels and Llamas					
6. Horses	0,04				
7. Mules and Asses					
8. Swine	23,47				
9. Poultry	0,65				

TABLE 4 SECTORAL REPORT FOR AGRICULTURE
(Sheet 2 of 2)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CH ₄	N ₂ O	NO _x	CO	NMVOC
	(Gg)				
B. Manure Management (continued)					
10. Anaerobic Lagoons					
11. Liquid Systems		0,21			
12. Solid Storage and Dry Lot		1,28			
13. Other (please specify) <input type="checkbox"/>		0,00			0,00
C. Rice Cultivation	0,00				0,00
1. Irrigated	0,00				
2. Rainfed	0,00				
3. Deep Water	0,00				
4. Other (please specify) <input type="checkbox"/>	0,00				0,00
D. Agricultural Soils ⁽¹⁾	0,00	31,60			1,08
1. Direct Soil Emissions		20,03			1,08
2. Animal Production		1,27			
3. Indirect Emissions		10,30			
4. Other (please specify) <input type="checkbox"/>	0,00	0,00			0,00
E. Prescribed Burning of Savannas	0,00	0,00			
F. Field Burning of Agricultural Residues	0,00	0,00	0,00	0,00	0,00
1. Cereals	0,00	0,00			
2. Pulse	0,00	0,00			
3. Tuber and Root	0,00	0,00			
4. Sugar Cane	0,00	0,00			
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00
G. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ See footnote 4 to Summary 1.A of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category of the sector Agriculture should indicate the amount [Gg] of these emissions or removals in the documentation box to Table 4.D. Additional information (activity data, implied emissions factors) should also be provided using the relevant documentation box to Table 4.D. This table is not modified for reporting the CO₂ emissions and removals for the sake of consistency with the IPCC tables (i.e. IPCC Sectoral Report for Agriculture).

Note: The IPCC Guidelines do not provide methodologies for the calculation of CH₄ emissions, CH₄ and N₂O removals from agricultural soils, or CO₂ emissions from savanna burning or agricultural residues burning. If you have reported such data, you should provide additional information (activity data and emission factors) used to make these estimates using the relevant documentation boxes of the Sectoral background data tables.

TABLE 4.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA ⁽¹⁾ AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS
	Population size ⁽²⁾ (1000 head)	Average daily feed intake (MJ/day)	CH ₄ conversion (%)	CH ₄ (kg CH ₄ /head/yr)
1. Cattle	0			0,00
Dairy Cattle ⁽³⁾	753			104,00
Non-Dairy Cattle	1.486			37,40
2. Buffalo	0			0,00
3. Sheep	159			8,00
4. Goats	0			0,00
5. Camels and Llamas	0			0,00
6. Horses	38			18,00
7. Mules and Asses	0			0,00
8. Swine	9.497			1,50
9. Poultry	0			0,00
10. Other (please specify) <input type="checkbox"/>				0,00

Additional information (for Tier 2) ^(a)

Disaggregated list of animals ^(b)	Dairy Cattle	Non-Dairy Cattle	Other (specify)	Indicators:	
				Weight (kg)	Feeding situation ^(c)

^(a) Compare to Tables A-1 and A-2 of the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.31-4.34). These data are relevant if Parties do not have data on average feed intake.

^(b) Disaggregate to the split actually used. Add columns to the table if necessary.

^(c) Specify feeding situation as pasture, stall fed, confined, open range, etc.

⁽¹⁾ In the documentation boxes to all Sectoral background data tables for Agriculture, Parties should provide information on whether the activity data is one year or a 3-year average.

⁽²⁾ Parties are encouraged to provide detailed livestock population data by animal type and region in a separate table below the documentation box. This consistent set of animal population statistics should be used to estimate CH₄ emissions from enteric fermentation, CH₄ and N₂O from manure management, N₂O direct emissions from soil and N₂O emissions associated with manure production, as well as emissions from the use of manure as fuel, and sewage-related emissions reported in the waste sector.

⁽³⁾ Including data on dairy heifers, if available.

Documentation box:

TABLE 4.B(a) SECTORAL BACKGROUND DATA FOR AGRICULTURE
CH₄ Emissions from Manure Management
 (Sheet 1 of 1)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS CH ₄ (kg CH ₄ /head/yr)	
	Population size (1) (1000 head)	Allocation by climate region (2)			Typical animal mass (kg)	VS ⁽³⁾ daily excretion (kg dm/head/yr)		CH ₄ producing potential (Bo) ⁽³⁾ (CH ₄ m ³ /kg VS)
		Cool	Temperate	Warm				
		(%)						
1. Cattle	0						0,00	
Dairy Cattle ⁽⁴⁾	753						21,43	
Non-Dairy Cattle	1.486						1,60	
2. Buffalo	0						0,00	
3. Sheep	235						0,31	
4. Goats	0						0,00	
5. Camels and Llamas	0						0,00	
6. Horses	38						1,10	
7. Mules and Asses	0						0,00	
8. Swine	14.935						1,57	
9. Poultry	31.129						0,02	

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ Climate regions are defined in terms of annual average temperature as follows: Cool=less than 15°C; Temperate=15°C to 25°C inclusive; and Warm=greater than 25°C (see Table 4.2 of the IPCC Guidelines (Volume 3, Reference Manual, p. 4.8)).

⁽³⁾ VS=Volatile Solids; Bo=maximum methane producing capacity for manure IPCC Guidelines (Volume 3, Reference Manual, p.4.23 and p. 4.15.

⁽⁴⁾ Including data on dairy heifers, if available.

Documentation Box:

Additional information (for Tier 2)

Animal category ^(a)	Indicator	Climate region	Animal waste management system					
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range paddock	Other
Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Non-Dairy Cattle	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						
Swine	Allocation(%)	Cool						
		Temperate						
		Warm						
	MCF ^(b)	Cool						
		Temperate						
		Warm						

^(a) Copy the above table as many times as necessary.

^(b) MCF = Methane Conversion Factor (IPCC Guidelines, (Volume 3, Reference Manual, p. 4.9)). In the case of use of other climate region categorization, please replace the entries in the cells with the climate regions for which the MCFs are specified.

TABLE 4.B(b) SECTORAL BACKGROUND DATA FOR AGRICULTURE
N₂O Emissions from Manure Management
 (Sheet 1 of 1)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION								IMPLIED EMISSION FACTORS	
	Population size (⁽¹⁾ (1000s)	Nitrogen excretion (kg N/head/yr)	Nitrogen excretion per animal waste management system (kg N/yr)						Emission factor per animal waste management system	
			Anaerobic lagoon	Liquid system	Daily spread	Solid storage and dry lot	Pasture range and paddock	Other	(kg N ₂ O-N/kg N)	
Non-Dairy Cattle	753								Anaerobic lagoon	0,000
Dairy Cattle	1.486								Liquid system	0,000
Sheep	235								Solid storage and dry lot	0,000
Swine	14.935								Other	0,000
Poultry	31.129									
Other (please specify) <input type="checkbox"/>										
Total per AWMS⁽²⁾			0,0	0,0	0,0	0,0	0,0	0,0		

⁽¹⁾ See footnote 1 to Table 4.A of this common reporting format.

⁽²⁾ AWMS - Animal Waste Management System.

Documentation box:

TABLE 4.C SECTORAL BACKGROUND DATA FOR AGRICULTURE

Rice Cultivation

(Sheet 1 of 1)

Denmark

1990, Adj.el.ex.

April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR ⁽¹⁾	EMISSIONS
	Harvested area ⁽²⁾ (10 ⁻⁹ m ² /yr)	Organic amendments added ⁽³⁾ :		CH ₄ (g/m ²)	CH ₄ (Gg)
		type	(t/ha)		
1. Irrigated					0,00
Continuously Flooded				0,00	
Intermittently Flooded	Single Aeration			0,00	
	Multiple Aeration			0,00	
2. Rainfed					0,00
Flood Prone				0,00	
Drought Prone				0,00	
3. Deep Water					0,00
Water Depth 50-100 cm				0,00	
Water Depth > 100 cm				0,00	
4. Other (please specify)					0,00
				0,00	
Upland Rice ⁽⁴⁾					
Total ⁽⁴⁾	0,00				

⁽¹⁾ The implied emission factor takes account of all relevant corrections for continuously flooded fields without organic amendment plus the correction for the organic amendments, if used, as well as of the effect of different soil characteristics, if taken into account, on methane emissions.

⁽²⁾ Harvested area is the cultivated area multiplied by the number of cropping seasons per year.

⁽³⁾ Specify dry weight or wet weight for organic amendments.

⁽⁴⁾

Documentation box:

When disaggregating by more than one region within a country, provide additional information in the documentation box.

Where available, provide activity data and scaling factors by soil type and rice cultivar.

TABLE 4.D SECTORAL BACKGROUND DATA FOR AGRICULTURE

Agricultural Soils⁽¹⁾
(Sheet 1 of 1)

Denmark
 1990, Adj.e.l.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION		IMPLIED EMISSION FACTORS		EMISSIONS (Gg N ₂ O)
	Description	Value	Unit		
Direct Soil Emissions	N input to soils (kg N/yr)				20,03
Synthetic Fertilizers	Use of synthetic fertilizers (kg N/yr)	400.400.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,012	7,71
Animal Wastes Applied to Soils	Nitrogen input from manure applied to soils (kg N/yr)	246.300.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,009	3,47
N-fixing Crops	Dry pulses and soybeans produced (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	0,70
Crop Residue	Dry production of other crops (kg dry biomass/yr)		(kg N ₂ O-N/kg dry biomass) ⁽²⁾	0,000	8,01
Cultivation of Histosols	Area of cultivated organic soils (ha)	18.440	(kg N ₂ O-N/ha) ⁽²⁾	5,000	0,14
Animal Production	N excretion on pasture range and paddock (kg N/yr)	43.400.000	(kg N₂O-N/kg N)⁽²⁾	0,019	1,27
Indirect Emissions					10,30
Atmospheric Deposition	(kg N/yr)	80.748.900	(kg N ₂ O-N/kg N) ⁽²⁾	0,010	1,27
Nitrogen Leaching and Run-off	N from fertilizers and animal wastes that is lost through leaching and run off (kg N/yr)	230.000.000	(kg N ₂ O-N/kg N) ⁽²⁾	0,025	9,04
Other (please specify)					0,00
Sewage sludge used as fertilizer	(kg N/yr)		(kg N ₂ O-N/kg N) ⁽²⁾	0,000	
Industrial waste used as fertilizer	(kg N/yr)		(kg N ₂ O-N/kg N) ⁽²⁾	0,000	
				0,000	

Additional information

Fraction ^(a)	Description	Value
Frac _{BURN}	Fraction of crop residue burned	0,00
Frac _{FUEL}	Fraction of livestock N excretion in excrements burned for fuel	0,00
Frac _{GASF}	Fraction of synthetic fertilizer N applied to soils that volatilizes as NH ₃ and NO _x	0,02
Frac _{GASM}	Fraction of livestock N excretion that volatilizes as NH ₃ and NO _x	0,28
Frac _{GRAZ}	Fraction of livestock N excreted and deposited onto soil during grazing	
Frac _{LEACH}	Fraction of N input to soils that is lost through leaching and runoff	
Frac _{NCRBF}	Fraction of N in non-N-fixing crop	
Frac _{NCRO}	Fraction of N in N-fixing crop	
Frac _R	Fraction of crop residue removed from the field as crop	

^(a) Use the fractions as specified in the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.92 - 4.113).

⁽¹⁾ See footnote 4 to Summary 1.A. of this common reporting format. Parties which choose to report CO₂ emissions and removals from agricultural soils under 4.D. Agricultural Soils category should indicate the amount [Gg] of these emissions or removals and relevant additional information (activity data, implied emissions factors) in the documentation box.

⁽²⁾ To convert from N₂O-N to N₂O emissions, multiply by 44/28.

Documentation box:

TABLE 4.E SECTORAL BACKGROUND DATA FOR AGRICULTURE
Prescribed Burning of Savannas
(Sheet 1 of 1)

Denmark
 1990, Adj.eI.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION					IMPLIED EMISSION FACTORS		EMISSIONS	
	Area of savanna burned (k ha/yr)	Average aboveground biomass density (t dm/ha)	Fraction of savanna burned	Biomass burned (Gg dm)	Nitrogen fraction in biomass	(kg/t dm)		(Gg)	
						CH ₄	N ₂ O	CH ₄	N ₂ O
(specify ecological zone) <input type="text"/>								0,00	0,00
						0,00	0,00		

Additional information

	Living	Dead
Fraction of aboveground biomass		
Fraction oxidized		
Carbon fraction		

Documentation box:

TABLE 4.F SECTORAL BACKGROUND DATA FOR AGRICULTURE
Field Burning of Agricultural Residues
 (Sheet 1 of 1)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		EMISSIONS	
	Crop production (t)	Residue/ Crop ratio	Dry matter fraction	Fraction burned in fields	Biomass burned (Gg dm)	Nitrogen fraction in biomass of residues	CH ₄	N ₂ O	CH ₄	N ₂ O
							(kg/t dm)	(kg/t dm)	(Gg)	(Gg)
1. Cereals									0,00	0,00
Wheat							0,00	0,00		
Barley							0,00	0,00		
Maize							0,00	0,00		
Oats							0,00	0,00		
Rye							0,00	0,00		
Rice							0,00	0,00		
Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		
2. Pulse ⁽¹⁾									0,00	0,00
Dry bean							0,00	0,00		
Peas							0,00	0,00		
Soybeans							0,00	0,00		
Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		
3 Tuber and Root									0,00	0,00
Potatoes							0,00	0,00		
Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		
4 Sugar Cane							0,00	0,00		
5 Other (please specify) <input type="checkbox"/>									0,00	0,00
							0,00	0,00		

⁽¹⁾ To be used in Table 4.D of this common reporting format.

Documentation Box:

TABLE 5 SECTORAL REPORT FOR LAND-USE CHANGE AND FORESTRY
(Sheet 1 of 1)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions/ removals	CH ₄	N ₂ O	NO _x	CO
	(Gg)						
Total Land-Use Change and Forestry	0,00	-916,00	-916,00	0,00	0,00	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-916,00	-916,00				
1. Tropical Forests			0,00				
2. Temperate Forests		-916,00	-916,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
Harvested Wood ⁽¹⁾			0,00				
			0,00				
B. Forest and Grassland Conversion⁽²⁾	0,00			0,00	0,00	0,00	0,00
1. Tropical Forests							
2. Temperate Forests							
3. Boreal Forests							
4. Grasslands/Tundra							
5. Other (please specify) <input type="checkbox"/>	0,00			0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00				
1. Tropical Forests			0,00				
2. Temperate Forests			0,00				
3. Boreal Forests			0,00				
4. Grasslands/Tundra			0,00				
5. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
D. CO₂ Emissions and Removals from Soil	0,00	0,00	0,00				
Cultivation of Mineral Soils			0,00				
Cultivation of Organic Soils			0,00				
Liming of Agricultural Soils			0,00				
Forest Soils			0,00				
Other (please specify) ⁽³⁾ <input type="checkbox"/>	0,00	0,00	0,00				
			0,00				
E. Other (please specify) <input type="checkbox"/>	0,00	0,00	0,00	0,00	0,00	0,00	0,00
			0,00				

⁽¹⁾ Following the IPCC Guidelines, the harvested wood should be reported under Changes in Forest and Other Woody Biomass Stocks (Volume 3. Reference Manual, p.5.17).

⁽²⁾ Include only the emissions of CO₂ from Forest and Grassland Conversion. Associated removals should be reported under section D.

⁽³⁾ Include emissions from soils not reported under sections A, B and C.

Note: See footnote 4 to Summary 1.A of this common reporting format.

TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY

Denmark
1990, Adj.e.l.ex.
April 11, 2001

**Changes in Forest and Other Woody Biomass Stocks
(Sheet 1 of 1)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES			ACTIVITY DATA		IMPLIED EMISSION FACTORS	ESTIMATES
			Area of forest/biomass stocks (kha)	Average annual growth rate (t dm/ha)	Implied carbon uptake factor (t C/ha)	Carbon uptake increment (Gg C)
Tropical	Plantations	<i>Acacia spp.</i>			0,00	
		<i>Eucalyptus spp.</i>			0,00	
		<i>Tectona grandis</i>			0,00	
		<i>Pinus spp</i>			0,00	
		<i>Pinus caribaea</i>			0,00	
		Mixed Hardwoods			0,00	
		Mixed Fast-Growing Hardwoods			0,00	
		Mixed Softwoods			0,00	
	Other Forests	Moist			0,00	
		Seasonal			0,00	
		Dry			0,00	
	Other (specify)				0,00	
	Temperate	Plantations			0,00	
Commercial		Evergreen			0,00	
		Deciduous			0,00	
Other (specify)				0,00		
Boreal				0,00		
			Number of trees (1000s of trees)	Annual growth rate (kt dm/1000 trees)	Carbon uptake factor (t C/tree)	Carbon uptake increment (Gg C)
Non-Forest Trees (specify type)						0,00
Total annual growth increment (Gg C)						0,00
Gg CO ₂						0,00
			Amount of biomass removed (kt dm)	Carbon emission factor (t C/t dm)	Carbon release (Gg C)	
Total biomass removed in Commercial Harvest				0,00		
Traditional Fuelwood Consumed				0,00		
Total Other Wood Use				0,00		
Total Biomass Consumption from Stocks ⁽¹⁾ (Gg C)						0,00
Other Changes in Carbon Stocks ⁽²⁾ (Gg C)						
Gg CO ₂						0,00
Net annual carbon uptake (+) or release (-) (Gg C)						0,00
Net CO ₂ emissions (-) or removals (+) (Gg CO ₂)						0,00

⁽¹⁾ Make sure that the quantity of biomass burned off-site is subtracted from this total.

⁽²⁾ The net annual carbon uptake/release is determined by comparing the annual biomass growth versus annual harvest, including the decay of forest products and slash left during harvest. The IPCC Guidelines recommend default assumption that all carbon removed in wood and other biomass from forests is oxidized in the year of removal. The emissions from decay could be included under Other Changes in Carbon Stocks.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.B SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Forest and Grassland Conversion
 (Sheet 1 of 1)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS					EMISSIONS					
		On and off site burning				Decay of above-ground biomass ⁽¹⁾		Burning			Decay	Burning			Decay			
		Area converted annually (kha)	Annual net loss of biomass (kt dm)	Quantity of biomass burned		Average area converted (kha)	Average annual net loss of biomass (t dm/ha)	On site				Off site CO ₂	On site			Off site CO ₂		
				On site (kt dm)	Off site (kt dm)			CO ₂	CH ₄	N ₂ O	CO ₂		CH ₄	N ₂ O				
								(t/ha)					(Gg)					
Tropical	Wet/Very Moist							0,00	0,00	0,00	0,00	0,00						
	Moist, short dry season							0,00	0,00	0,00	0,00	0,00						
	Moist, long dry season							0,00	0,00	0,00	0,00	0,00						
	Dry							0,00	0,00	0,00	0,00	0,00						
	Montane Moist							0,00	0,00	0,00	0,00	0,00						
	Montane Dry							0,00	0,00	0,00	0,00	0,00						
Tropical Savanna/Grasslands								0,00	0,00	0,00	0,00	0,00						
Temperate	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Broadleaf							0,00	0,00	0,00	0,00	0,00						
	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
Grasslands								0,00	0,00	0,00	0,00	0,00						
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00	0,00	0,00	0,00						
	Coniferous							0,00	0,00	0,00	0,00	0,00						
	Forest-tundra							0,00	0,00	0,00	0,00	0,00						
Grasslands/Tundra								0,00	0,00	0,00	0,00	0,00						
Other (please specify) <input type="checkbox"/>								0,00	0,00	0,00	0,00	0,00						
Total								0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Activity data are for default 10-year average. Specify the average decay time which is appropriate for the local conditions, if other than 10 years.

Emissions/Removals	On site	Off site
Immediate carbon release from burning	0,00	0,00
Total On site and Off site (Gg C)	0,00	
Delayed emissions from decay (Gg C)	0,00	
Total annual carbon release (Gg C)	0,00	
Total annual CO ₂ emissions (Gg CO ₂)	0,00	

Additional information

Fractions	On site	Off site
Fraction of biomass burned (average)		
Fraction which oxidizes during burning (average)		
Carbon fraction of aboveground biomass (average)		
Fraction left to decay (average)		
Nitrogen-carbon ratio		

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.C SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
Abandonment of Managed Lands
(Sheet 1 of 1)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		ACTIVITY DATA AND OTHER RELATED INFORMATION						IMPLIED EMISSION FACTORS		ESTIMATES	
		Total area abandoned and regrowing ⁽¹⁾		Annual rate of aboveground biomass growth		Carbon fraction of aboveground biomass		Rate of aboveground biomass carbon uptake		Annual carbon uptake in aboveground biomass	
		first 20 years (kha)	>20 years (kha)	first 20 years (t dm/ha)	>20 years (t dm/ha)	first 20 years	>20 years	first 20 years (t C/ha/yr)	>20 years (t C/ha/yr)	first 20 years (Gg C/yr)	>20 years (Gg C/yr)
Original natural ecosystems											
Tropical	Wet/Very Moist							0,00	0,00		
	Moist, short dry season							0,00	0,00		
	Moist, long dry season							0,00	0,00		
	Dry							0,00	0,00		
	Montane Moist							0,00	0,00		
	Montane Dry							0,00	0,00		
Tropical Savanna/Grasslands								0,00	0,00		
Temperate	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Broadleaf							0,00	0,00		
Grasslands								0,00	0,00		
Boreal	Mixed Broadleaf/Coniferous							0,00	0,00		
	Coniferous							0,00	0,00		
	Forest-tundra							0,00	0,00		
Grasslands/Tundra								0,00	0,00		
Other (please specify)								0,00	0,00		
								0,00	0,00		
										Total annual carbon uptake (Gg C)	0,00
										Total annual CO ₂ removal (Gg CO ₂)	0,00

⁽¹⁾ If lands are regenerating to grassland, then the default assumption is that no significant changes in above-ground biomass occur.

Note: Sectoral background data tables on Land-use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation box:

TABLE 5.D SECTORAL BACKGROUND DATA FOR LAND-USE CHANGE AND FORESTRY
CO₂ Emissions and Removals from Soil
 (Sheet 1 of 1)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA	IMPLIED EMISSION FACTORS	ESTIMATES
	Land area (Mha)	Average annual rate of soil carbon uptake/removal (Mg C/ha/yr)	Net change in soil carbon in mineral soils (Tg C over 20 yr)
Cultivation of Mineral Soils ⁽¹⁾			0,00
High Activity Soils		0,00	
Low Activity Soils		0,00	
Sandy		0,00	
Volcanic		0,00	
Wetland (Aquic)		0,00	
Other (please specify)			0,00
		0,00	
	Land area (ha)	Annual loss rate (Mg C/ha/yr)	Carbon emissions from organic soils (Mg C/yr)
Cultivation of Organic Soils			0,00
Cool Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Warm Temperate			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
Tropical			0,00
Upland Crops		0,00	
Pasture/Forest		0,00	
	Total annual amount of lime (Mg)	Carbon conversion factor	Carbon emissions from liming (Mg C)
Liming of Agricultural Soils			0,00
Limestone Ca(CO ₃)		0,00	
Dolomite CaMg(CO ₃) ₂		0,00	
Total annual net carbon emissions from agriculturally impacted soils (Gg C)			0,00
Total annual net CO ₂ emissions from agriculturally impacted soils (Gg CO ₂)			0,00

Additional information

Year	Climate ^(a)	land-use/ management system ^(a)	Soil type					
			High activity soils	Low activity soils	Sandy	Volcanic	Wetland (Aquic)	Organic soil
percent distribution (%)								
20 years prior	(e.g. tropical, dry)	(e.g. savanna)						
		(e.g. irrigated cropping)						
inventory year								

^(a) These should represent the major types of land management systems per climate regions presented in the country as well as ecosystem types which were either converted to agriculture (e.g., forest, savanna, grassland) or have been derived from previous agricultural land-use (e.g., abandoned lands, reforested lands). Systems should also reflect differences in soil carbon stocks that can be related to differences in management (IPCC Guidelines (Volume 2. Workbook, Table 5-9, p. 5.26, and Appendix (pp. 5-31 - 5.38)).

⁽¹⁾ The information to be reported under Cultivation of Mineral Soils aggregates data per soil type over all land-use/management systems. This refers to land area data and to the emission estimates and implied emissions factors accordingly.

Note: Sectoral background data tables on Land-Use Change and Forestry should be filled in only by Parties using the IPCC default methodology. Parties that use country specific methods and models should report information on them in a transparent manner, also providing suggestions for a possible sectoral background data table suitable for their calculation method.

Documentation Box:

TABLE 6 SECTORAL REPORT FOR WASTE
(Sheet 1 of 1)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	NO _x	CO	NM VOC	SO ₂
	(Gg)						
Total Waste	0,00	62,40	0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	0,00	62,40		0,00	0,00	0,00	
1. Managed Waste Disposal on Land	0,00	62,40					
2. Unmanaged Waste Disposal Sites	0,00	0,00					
3. Other (<i>please specify</i>)	0,00	0,00		0,00	0,00	0,00	
B. Wastewater Handling		0,00	0,00	0,00	0,00	0,00	
1. Industrial Wastewater		0,00	0,00				
2. Domestic and Commercial Wastewater		0,00	0,00				
3. Other (<i>please specify</i>)		0,00	0,00	0,00	0,00	0,00	
C. Waste Incineration	0,00	0,00	0,00				
D. Other (<i>please specify</i>)	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽¹⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biological or inorganic waste sources.

TABLE 6.A SECTORAL BACKGROUND DATA FOR WASTE
Solid Waste Disposal
(Sheet 1 of 1)

Denmark
 1990, Adj.e.l.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION				IMPLIED EMISSION FACTOR		EMISSIONS ⁽¹⁾	
	Annual MSW at the SWDS (Gg)	MCF	DOC degraded (Gg)	CH ₄ recovery ⁽²⁾ (Gg)	CH ₄ (t/t MSW)	CO ₂ (t/t MSW)	CH ₄ (Gg)	CO ₂ ⁽³⁾ (Gg)
1 Managed Waste Disposal on Land	3.175,10				0,02	0,00	62,40	
2 Unmanaged Waste Disposal Sites					0,00	0,00	0,00	0,00
- deep (>5 m)	0,00				0,00	0,00		
- shallow (<5 m)					0,00	0,00		
3 Other (please specify)					0,00	0,00	0,00	0,00

TABLE 6.C SECTORAL BACKGROUND DATA FOR WASTE
Waste Incineration
(Sheet 1 of 1)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA Amount of incinerated wastes (Gg)	IMPLIED EMISSION FACTOR			EMISSIONS		
		CO ₂ (kg/t waste)	CH ₄ (kg/t waste)	N ₂ O (kg/t waste)	CO ₂ ⁽³⁾ (Gg)	CH ₄ (Gg)	N ₂ O (Gg)
Waste Incineration (please specify)	0,00				0,00	0,00	0,00
(biogenic) ⁽³⁾		0,00	0,00	0,00			
(plastics and other non-biogenic waste) ⁽³⁾		0,00	0,00	0,00			
		0,00	0,00	0,00			

MSW - Municipal Solid Waste, SWDS - Solid Waste Disposal Site, MCF - Methane Correction Factor, DOC - Degradable Organic Carbon (IPCC Guidelines (Volume 3. Reference Manual, section 6.2.4)). MSW includes household waste, yard/garden waste, commercial/market waste and organic industrial solid waste. MSW should not include inorganic industrial waste such as construction or demolition materials.

⁽¹⁾ Actual emissions (after recovery).

⁽²⁾ CH₄ recovered and flared or utilized.

⁽³⁾ Under Waste Disposal, CO₂ emissions should be reported only when the disposed wastes are combusted at the disposal site which might constitute a management practice. CO₂ emissions from non-biogenic wastes are included in the totals, while the CO₂ emissions from biogenic wastes are not included in the totals.

Documentation box:

All relevant information used in calculation should be provided in the additional information box and in the documentation box.

Parties that use country specific models should note this with a brief rationale in the documentation box and fill the relevant cells only.

Additional information

Description	Value
Total population (1000s) ^(a)	
Urban population (1000s) ^(a)	
Waste generation rate (kg/capita/day)	
Fraction of MSW disposed to SWDS	
Fraction of DOC in MSW	
Fraction of wastes incinerated	
Fraction of wastes recycled	
CH ₄ oxidation factor (b)	
CH ₄ fraction in landfill gas	
Number of SWDS recovering CH ₄	
CH ₄ generation rate constant (k) ^(c)	
Time lag considered (yr) ^(c)	
Composition of landfilled waste (%)	
Paper and paperboard	
Food and garden waste	
Plastics	
Glass	
Textiles	
Other (specify)	
other - inert	
other - organic	

^(a) Specify whether total or urban population is used and the rationale for doing so.

^(b) See IPCC Guidelines (Volume 3. Reference Manual, p. 6.9).

^(c) For Parties using Tier 2 methods.

TABLE 6.B SECTORAL BACKGROUND DATA FOR WASTE
Wastewater Handling
 (Sheet 1 of 1)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND RELATED INFORMATION ⁽¹⁾				IMPLIED EMISSION FACTOR			EMISSIONS ⁽²⁾		
	Total organic product		CH ₄ recovered and/or flared		CH ₄		N ₂ O ⁽³⁾ (kg/kg DC)	CH ₄		N ₂ O ⁽³⁾ (Gg)
	Wastewater	Sludge	Wastewater	Sludge	Wastewater	Sludge		Wastewater	Sludge	
	(Gg DC ⁽¹⁾ /yr)		(Gg)		(kg/kg DC)	(kg/kg DC)	(Gg)	(Gg)	(Gg)	
Industrial Wastewater	0,00				0,00	0,00				
Domestic and Commercial Wastewater	0,00				0,00	0,00				
Other (please specify)								0,00	0,00	0,00
					0,00	0,00				

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTOR	EMISSIONS
	Population ⁽⁴⁾ (1000s)	Protein consumption (protein in kg/person/yr)	N fraction (kg N/kg protein)	N ₂ O (kg N ₂ O-N/kg sewage N produced)	N ₂ O (Gg)
N ₂ O from human sewage ⁽³⁾					0,00

⁽¹⁾ DC - degradable organic component. DC indicators are COD (Chemical Oxygen Demand) for industrial wastewater and BOD (Biochemical Oxygen Demand) for Domestic/Commercial wastewater/sludge (IPCC Guidelines (Volume 3, Reference Manual, pp. 6.14, 6.18)).

⁽²⁾ Actual emissions (after recovery).

⁽³⁾ Parties using other methods for estimation of N₂O emissions from human sewage or wastewater treatment should provide corresponding information on methods, activity data and emission factors used in the documentation box. Use the table to provide aggregate data.

⁽⁴⁾ Specify whether total or urban population is used in the calculations and the rationale for doing so. Provide explanation in the documentation box.

Documentation box:

Additional information

	Domestic	Industrial
Total wastewater (m ³):		
Treated wastewater (%):		

Wastewater streams:	Wastewater output (m ³)	DC (kgCOD/m ³)
Industrial wastewater		
Iron and steel		
Non-ferrous		
Fertilizers		
Food and beverage		
Paper and pulp		
Organic chemicals		
Other (specify)		
	DC (kg BOD/1000 person/yr)	
Domestic and Commercial		
Other		

Handling systems:	Industrial wastewater treated (%)	Ind. sludge treated (%)	Domestic wastewater treated (%)	Domestic sludge treated (%)
Aerobic				
Anaerobic				
Other (specify)				

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)

(Sheet 1 of 3)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)				(Gg)				
Total National Emissions and Removals	59,344,59	-916,00	278,67	35,53	0,00	0,00	0,00	0,00	0,00	0,00	268,21	680,65	174,85	182,72
1. Energy	58,215,51		23,42	2,43							267,40	680,65	122,15	182,39
A. Fuel Combustion														
Reference Approach ⁽²⁾	0,00													
Sectoral Approach ⁽²⁾	57,975,51		10,95	2,43							267,40	647,40	110,58	182,39
1. Energy Industries	32,515,70		1,07	0,87							95,80	8,00	1,16	133,32
2. Manufacturing Industries and Construction	6,040,24		0,73	0,40							21,83	14,63	4,22	22,29
3. Transport	10,355,99		2,70	0,46							110,16	482,82	88,37	12,87
4. Other Sectors	8,944,57		6,44	0,70							39,13	141,52	16,77	13,90
5. Other	119,01		0,00	0,00							0,48	0,43	0,06	0,02
B. Fugitive Emissions from Fuels	240,00		12,47	0,00							0,00	33,25	11,57	0,00
1. Solid Fuels	0,00		3,30	0,00							0,00	33,25	0,00	0,00
2. Oil and Natural Gas	240,00		9,17	0,00							0,00	0,00	11,57	0,00
2. Industrial Processes	1,005,50		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,81	0,00	0,00	0,33
A. Mineral Products	1,005,50		0,00	0,00							0,00	0,00	0,00	0,00
B. Chemical Industry	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,81	0,00	0,00	0,33
C. Metal Production	0,00		0,00	0,00				0,00		0,00	0,00	0,00	0,00	0,00
D. Other Production ⁽³⁾	0,00										0,00	0,00	0,00	0,00
E. Production of Halocarbons and SF ₆						0,00	0,00	0,00	0,00	0,00				
F. Consumption of Halocarbons and SF ₆					0,00	0,00	0,00	0,00	0,00	0,00				
G. Other	0,00		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach. Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ Other Production includes Pulp and Paper and Food and Drink Production.

Note: The numbering of footnotes to all tables containing more than one sheet continue to the next sheet. Common footnotes are given only once at the first point of reference.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 2 of 3)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NMVOC	SO ₂
	emissions	removals			P	A	P	A	P	A				
	(Gg)			CO ₂ equivalent (Gg)						(Gg)				
3. Solvent and Other Product Use	123,58			0,00									42,30	
4. Agriculture	0,00	0,00	192,86	33,09							0,00	0,00	1,08	0,00
A. Enteric Fermentation			150,10											
B. Manure Management			42,75	1,49									0,00	
C. Rice Cultivation			0,00										0,00	
D. Agricultural Soils	⁽⁴⁾	⁽⁴⁾	0,00	31,60									1,08	
E. Prescribed Burning of Savannas			0,00	0,00						0,00	0,00		0,00	
F. Field Burning of Agricultural Residues			0,00	0,00						0,00	0,00		0,00	
G. Other			0,00	0,00						0,00	0,00		0,00	
5. Land-Use Change and Forestry	⁽⁵⁾ 0,00	⁽⁵⁾ -916,00	0,00	0,00						0,00	0,00	9,31	0,00	0,00
A. Changes in Forest and Other Woody Biomass Stocks	⁽⁵⁾ 0,00	⁽⁵⁾ -916,00												
B. Forest and Grassland Conversion	0,00		0,00	0,00						0,00	0,00	9,31		
C. Abandonment of Managed Lands	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00												
D. CO ₂ Emissions and Removals from Soil	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00												
E. Other	⁽⁵⁾ 0,00	⁽⁵⁾ 0,00	0,00	0,00						0,00	0,00			
6. Waste	0,00		62,40	0,00						0,00	0,00	0,00	0,00	0,00
A. Solid Waste Disposal on Land	⁽⁶⁾ 0,00		62,40									0,00	0,00	
B. Wastewater Handling			0,00	0,00						0,00	0,00	0,00		
C. Waste Incineration	⁽⁶⁾ 0,00		0,00	0,00						0,00	0,00	0,00	0,00	
D. Other	0,00		0,00	0,00						0,00	0,00	0,00	0,00	
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽⁴⁾ According to the IPCC Guidelines (Volume 3. Reference Manual, pp. 4.2, 4.87), CO₂ emissions from agricultural soils are to be included under Land-Use Change and Forestry (LUCF). At the same time, the Summary Report 7A (Volume 1. Reporting Instructions, Tables.27) allows for reporting CO₂ emissions or removals from agricultural soils, either in the Agriculture sector, under D. Agricultural Soils or in the Land-Use Change and Forestry sector under D. Emissions and Removals from Soil. Parties may choose either way to report emissions or removals from this source in the common reporting format, but the way they have chosen to report should be clearly indicated, by inserting explanatory comments to the corresponding cells of Summary 1.A and Summary 1.B. Double-counting of these emissions or removals should be avoided. Parties should include these emissions or removals consistently in Table8(a) (Recalculation - Recalculated data) and Table10 (Emission trends).

⁽⁵⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽⁶⁾ Note that CO₂ from Waste Disposal and Incineration source categories should only be included if it stems from non-biogenic or inorganic waste streams.

SUMMARY 1.A SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7A)
(Sheet 3 of 3)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs		PFCs		SF ₆		NO _x	CO	NMVOC	SO ₂
					P	A	P	A	P	A				
	(Gg)					CO ₂ equivalent (Gg)					(Gg)			
Memo Items: ⁽⁷⁾														
International Bunkers	4,889,59		0,11	0,26							91,93	9,05	2,66	54,59
Aviation	1,794,52		0,04	0,07							7,30	1,85	0,39	0,11
Marine	3,095,07		0,07	0,19							84,63	7,20	2,26	54,47
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	4,312,34													

⁽⁷⁾ Memo Items are not included in the national totals.

SUMMARY 1.B SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 7B)
(Sheet 1 of 1)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	CH ₄	N ₂ O	HFCs ⁽¹⁾		PFCs ⁽¹⁾		SF ₆		NO _x	CO	NM VOC	SO ₂
	(Gg)				CO ₂ equivalent (Gg)				(Gg)					
	P	A	P	A	P	A	P	A	P	A				
Total National Emissions and Removals	59,344,59	-916,00	278,67	35,53	0,00	0,00	0,00	0,00	0,00	0,00	268,21	680,65	174,85	182,72
1. Energy	58,215,51		23,42	2,43							267,40	680,65	122,15	182,39
A. Fuel Combustion	Reference Approach ⁽²⁾	0,00												
	Sectoral Approach ⁽²⁾	57,975,51	10,95	2,43							267,40	647,40	110,58	182,39
B. Fugitive Emissions from Fuels		240,00	12,47	0,00							0,00	33,25	11,57	0,00
2. Industrial Processes	1,005,50		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,81	0,00	0,00	0,33
3. Solvent and Other Product Use	123,58			0,00							0,00	0,00	42,30	0,00
4. Agriculture⁽³⁾	0,00	0,00	192,86	33,09							0,00	0,00	1,08	0,00
5. Land-Use Change and Forestry⁽⁴⁾	0,00⁽⁴⁾	-916,00⁽⁴⁾	0,00	0,00							0,00	0,00	9,31	0,00
6. Waste	0,00		62,40	0,00							0,00	0,00	0,00	0,00
7. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:														
International Bunkers	4,889,59		0,11	0,26							91,93	9,05	2,66	54,59
Aviation	1,794,52		0,04	0,07							7,30	1,85	0,39	0,11
Marine	3,095,07		0,07	0,19							84,63	7,20	2,26	54,47
Multilateral Operations	0,00		0,00	0,00							0,00	0,00	0,00	0,00
CO₂ Emissions from Biomass	4,312,34													

P = Potential emissions based on Tier 1 approach of the IPCC Guidelines.

A = Actual emissions based on Tier 2 approach of the IPCC Guidelines.

⁽¹⁾ The emissions of HFCs and PFCs are to be expressed as CO₂ equivalent emissions. Data on disaggregated emissions of HFCs and PFCs are to be provided in Table 2(II) of this common reporting format.

⁽²⁾ For verification purposes, countries are asked to report the results of their calculations using the Reference approach and to explain any differences with the Sectoral approach in document box of Table 1.A(c). Where possible, the calculations using the Sectoral approach should be used for estimating national totals. Do not include the results of both the Reference approach and the Sectoral approach in national totals.

⁽³⁾ See footnote 4 to Summary 1.A.

⁽⁴⁾ Please do not provide an estimate of both CO₂ emissions and CO₂ removals. "Net" emissions (emissions - removals) of CO₂ should be estimated and a single number placed in either the CO₂ emissions or CO₂ removals column, as appropriate. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

SUMMARY 2 SUMMARY REPORT FOR CO₂ EQUIVALENT EMISSIONS

(Sheet 1 of 1)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	Total
	CO ₂ equivalent (Gg)						
Total (Net Emissions)⁽¹⁾	58.428,59	5.852,17	11.012,89	0,00	0,00	43,02	75.336,67
1. Energy	58.215,51	491,81	753,60				59.460,92
A. Fuel Combustion (Sectoral Approach)	57.975,51	230,03	752,29				58.957,83
1. Energy Industries	32.515,70	22,55	268,79				32.807,03
2. Manufacturing Industries and Construction	6.040,24	15,42	124,24				6.179,90
3. Transport	10.355,99	56,74	141,09				10.553,82
4. Other Sectors	8.944,57	135,22	216,92				9.296,71
5. Other	119,01	0,10	1,25				120,37
B. Fugitive Emissions from Fuels	240,00	261,77	1,31				503,09
1. Solid Fuels	0,00	69,22	0,00				69,22
2. Oil and Natural Gas	240,00	192,56	1,31				433,87
2. Industrial Processes	1.005,50	0,00	0,00	0,00	0,00	43,02	1.048,52
A. Mineral Products	1.005,50	0,00	0,00				1.005,50
B. Chemical Industry	0,00	0,00	0,00	0,00	0,00	0,00	0,00
C. Metal Production	0,00	0,00	0,00		0,00	31,07	31,07
D. Other Production	0,00						0,00
E. Production of Halocarbons and SF ₆				0,00	0,00	0,00	0,00
F. Consumption of Halocarbons and SF ₆				0,00	0,00	11,95	11,95
G. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3. Solvent and Other Product Use	123,58		0,00				123,58
4. Agriculture	0,00	4.049,96	10.259,29				14.309,25
A. Enteric Fermentation		3.152,14					3.152,14
B. Manure Management		897,82	461,97				1.359,79
C. Rice Cultivation		0,00					0,00
D. Agricultural Soils ⁽²⁾		0,00	9.797,32				9.797,32
E. Prescribed Burning of Savannas		0,00	0,00				0,00
F. Field Burning of Agricultural Residues		0,00	0,00				0,00
G. Other		0,00	0,00				0,00
5. Land-Use Change and Forestry⁽¹⁾	-916,00	0,00	0,00				-916,00
6. Waste	0,00	1.310,40	0,00				1.310,40
A. Solid Waste Disposal on Land	0,00	1.310,40					1.310,40
B. Wastewater Handling		0,00	0,00				0,00
C. Waste Incineration	0,00	0,00	0,00				0,00
D. Other	0,00	0,00	0,00				0,00
7. Other (please specify)	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Memo Items:							
International Bunkers	4.889,59	2,26	81,81				4.973,66
Aviation	1.794,52	0,79	21,50				1.816,81
Marine	3.095,07	1,47	60,31				3.156,85
Multilateral Operations	0,00	0,00	0,00				0,00
CO₂ Emissions from Biomass	4.312,34						4.312,34

⁽¹⁾ For CO₂ emissions from Land-Use Change and Forestry the net emissions are to be reported. Please note that for the purposes of reporting, the signs for uptake are always (-) and for emissions (+).

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions	CO ₂ removals	Net CO ₂ emissions / removals	CH ₄	N ₂ O	Total emissions
	CO ₂ equivalent (Gg)					
Land-Use Change and Forestry						
A. Changes in Forest and Other Woody Biomass Stocks	0,00	-916,00	-916,00			-916,00
B. Forest and Grassland Conversion	0,00		0,00	0,00	0,00	0,00
C. Abandonment of Managed Lands	0,00	0,00	0,00			0,00
D. CO ₂ Emissions and Removals from Soil	0,00	0,00	0,00			0,00
E. Other	0,00	0,00	0,00	0,00	0,00	0,00
Total CO₂ Equivalent Emissions from Land-Use Change and Forestry	0,00	-916,00	-916,00	0,00	0,00	-916,00

Total CO ₂ Equivalent Emissions without Land-Use Change and Forestry ^(a)	76.252,67
Total CO ₂ Equivalent Emissions with Land-Use Change and Forestry ^(a)	75.336,67

^(a) The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 1 of 2)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
1. Energy												
A. Fuel Combustion												
1. Energy Industries												
2. Manufacturing Industries and Construction												
3. Transport												
4. Other Sectors												
5. Other												
B. Fugitive Emissions from Fuels												
1. Solid Fuels												
2. Oil and Natural Gas												
2. Industrial Processes												
A. Mineral Products												
B. Chemical Industry												
C. Metal Production												
D. Other Production												
E. Production of Halocarbons and SF ₆												
F. Consumption of Halocarbons and SF ₆												
G. Other												

⁽¹⁾ Use the following notation keys to specify the method applied: D (IPCC default), RA (Reference Approach), T1 (IPCC Tier 1), T1a, T1b, T1c (IPCC Tier 1a, Tier 1b and Tier 1c, respectively), T2 (IPCC Tier 2), T3 (IPCC Tier 3), C (CORINAIR), CS (Country Specific), M (Model). If using more than one method, enumerate the relevant methods. Explanations of any modifications to the default IPCC methods, as well as information on the proper use of methods per source category where more than one method is indicated, and explanations on the country specific methods, should be provided in the documentation box of the relevant Sectoral background data table.

⁽²⁾ Use the following notation keys to specify the emission factor used: D (IPCC default), C (CORINAIR), CS (Country Specific), PS (Plant Specific), M (Model). Where a mix of emission factors has been used, use different notations in one and the same cells with further explanation in the documentation box of the relevant Sectoral background data table.

SUMMARY 3 SUMMARY REPORT FOR METHODS AND EMISSION FACTORS USED
 (Sheet 2 of 2)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆	
	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾	Method applied ⁽¹⁾	Emission factor ⁽²⁾
3. Solvent and Other Product Use												
4. Agriculture												
A. Enteric Fermentation												
B. Manure Management												
C. Rice Cultivation												
D. Agricultural Soils												
E. Prescribed Burning of Savannas												
F. Field Burning of Agricultural Residues												
G. Other												
5. Land-Use Change and Forestry												
A. Changes in Forest and Other Woody Biomass Stocks												
B. Forest and Grassland Conversion												
C. Abandonment of Managed Lands												
D. CO ₂ Emissions and Removals from Soil												
E. Other												
6. Waste												
A. Solid Waste Disposal on Land												
B. Wastewater Handling												
C. Waste Incineration												
D. Other												
7. Other (please specify) <input type="checkbox"/>												

TABLE 7 OVERVIEW TABLE⁽¹⁾ FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 1 of 3)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
Total National Emissions and Removals																					
1 Energy																					
A. Fuel Combustion Activities																					
Reference Approach																					
Sectoral Approach																					
1. Energy Industries																					
2. Manufacturing Industries and Construction																					
3. Transport																					
4. Other Sectors																					
5. Other																					
B. Fugitive Emissions from Fuels																					
1. Solid Fuels																					
2. Oil and Natural Gas																					
2 Industrial Processes																					
A. Mineral Products																					
B. Chemical Industry																					
C. Metal Production																					
D. Other Production																					
E. Production of Halocarbons and SF ₆																					

⁽¹⁾ This table is intended to be used by Parties to summarize their own assessment of completeness (e.g. partial, full estimate, not estimated) and quality (high, medium, low) of major source/sink inventory estimates. The latter could be understood as a quality assessment of the uncertainty of the estimates. This table might change once the IPCC completes its work on managing uncertainties of GHG inventories. The title of the table was kept for consistency with the current table in the IPCC Guidelines.

Note: To fill in the table use the notation key as given in the IPCC Guidelines (Volume 1. Reporting Instructions, Tables. 37).

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 2 of 3)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
2 Industrial Processes (continued)																					
F. Consumption of Halocarbons and SF ₆																					
Potential ⁽²⁾																					
Actual ⁽³⁾																					
G. Other																					
3 Solvent and Other Product Use																					
4 Agriculture																					
A. Enteric Fermentation																					
B. Manure Management																					
C. Rice Cultivation																					
D. Agricultural Soils																					
E. Prescribed Burning of Savannas																					
F. Field Burning of Agricultural Residues																					
G. Other																					
5 Land-Use Change and Forestry																					
A. Changes in Forest and Other Woody Biomass Stocks																					
B. Forest and Grassland Conversion																					

⁽²⁾ Potential emissions based on Tier 1 approach of the IPCC Guidelines.

⁽³⁾ Actual emissions based on Tier 2 approach of the IPCC Guidelines.

TABLE 7 OVERVIEW TABLE FOR NATIONAL GREENHOUSE GAS INVENTORIES (IPCC TABLE 8A)
(Sheet 3 of 3)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂		CH ₄		N ₂ O		HFCs		PFCs		SF ₆		NO _x		CO		NMVOC		SO ₂		
	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	Estimate	Quality	
5 Land-Use Change and Forestry (continued)																					
C. Abandonment of Managed Lands																					
D. CO ₂ Emissions and Removals from Soil																					
E. Other																					
6 Waste																					
A. Solid Waste Disposal on Land																					
B. Wastewater Handling																					
C. Waste Incineration																					
D. Other																					
7 Other (please specify)																					
Memo Items:																					
International Bunkers																					
Aviation																					
Marine																					
Multilateral Operations																					
CO ₂ Emissions from Biomass																					

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated year:
(Sheet 1 of 2)

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂			CH ₄			N ₂ O		
	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾
	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)
Total National Emissions and Removals			0,00			0,00			0,00
1. Energy			0,00			0,00			0,00
1.A. Fuel Combustion Activities			0,00			0,00			0,00
1.A.1. Energy Industries			0,00			0,00			0,00
1.A.2. Manufacturing Industries and Construction			0,00			0,00			0,00
1.A.3. Transport			0,00			0,00			0,00
1.A.4. Other Sectors			0,00			0,00			0,00
1.A.5. Other			0,00			0,00			0,00
1.B. Fugitive Emissions from Fuels			0,00			0,00			0,00
1.B.1. Solid fuel			0,00			0,00			0,00
1.B.2. Oil and Natural Gas			0,00			0,00			0,00
2. Industrial Processes			0,00			0,00			0,00
2.A. Mineral Products			0,00			0,00			0,00
2.B. Chemical Industry			0,00			0,00			0,00
2.C. Metal Production			0,00			0,00			0,00
2.D. Other Production			0,00			0,00			0,00
2.G. Other			0,00			0,00			0,00
3. Solvent and Other Product Use			0,00			0,00			0,00
4. Agriculture			0,00			0,00			0,00
4.A. Enteric Fermentation						0,00			
4.B. Manure Management						0,00			0,00
4.C. Rice Cultivation						0,00			
4.D. Agricultural Soils ⁽²⁾			0,00			0,00			0,00
4.E. Prescribed Burning of Savannas						0,00			0,00
4.F. Field Burning of Agricultural Residues						0,00			0,00
4.G. Other						0,00			0,00
5. Land-Use Change and Forestry (net)			0,00			0,00			0,00
5.A. Changes in Forest and Other Woody Biomass Stocks			0,00						
5.B. Forest and Grassland Conversion			0,00			0,00			0,00
5.C. Abandonment of Managed Lands			0,00						
5.D. CO ₂ Emissions and Removals from Soil			0,00						
5.E. Other			0,00			0,00			0,00

⁽¹⁾ Estimate the percentage change due to recalculation with respect to the previous submission (Percentage change = 100% x [(LS-PS)/PS], where LS = Latest submission and PS = Previous submission. All cases of recalculation of the estimate of the source/sink category, should be addressed and explained in Table 8(b) of this common reporting format.

⁽²⁾ See footnote 4 to Summary 1.A of this common reporting format.

TABLE 8(a) RECALCULATION - RECALCULATED DATA

Recalculated
(Sheet 2 of 2)

year:

Denmark
1990, Adj.el.ex.
April 11, 2001

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂			CH ₄			N ₂ O		
	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾
	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)
6. Waste			0,00			0,00			0,00
6.A. Solid Waste Disposal on Land			0,00			0,00			0,00
6.B. Wastewater Handling						0,00			0,00
6.C. Waste Incineration			0,00			0,00			0,00
6.D. Other			0,00			0,00			0,00
7. Other (please specify)			0,00			0,00			0,00
			0,00			0,00			0,00
Memo Items:									
International Bunkers			0,00			0,00			0,00
Multilateral Operations			0,00			0,00			0,00
CO ₂ Emissions from Biomass			0,00						

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	HFCs			PFCs			SF ₆		
	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾	Previous submission	Latest submission	Difference ⁽¹⁾
	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)	CO ₂ equivalent (Gg)		(%)
Total Actual Emissions			0,00			0,00			0,00
2.C.3. Aluminium Production						0,00			0,00
2.E. Production of Halocarbons and SF ₆			0,00			0,00			0,00
2.F. Consumption of Halocarbons and SF ₆			0,00			0,00			0,00
Other			0,00			0,00			0,00
Potential Emissions from Consumption of HFCs/PFCs and SF₆									

	Previous submission	Latest submission	Difference ⁽¹⁾
	CO ₂ equivalent (Gg)		(%)
	Total CO ₂ Equivalent Emissions with Land-Use Change and Forestry ⁽³⁾		
Total CO ₂ Equivalent Emissions without Land-Use Change and Forestry ⁽³⁾			0,00

⁽³⁾ The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report emissions and removals from Land-Use Change and Forestry.

TABLE 8(b) RECALCULATION - EXPLANATORY INFORMATION
(Sheet 1 of 1)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

Specify the sector and source/sink category ⁽¹⁾ where changes in estimates have occurred:	GHG	RECALCULATION DUE TO			
		CHANGES IN:			Addition/removal/ replacement of source/sink categories
		Methods ⁽²⁾	Emission factors ⁽²⁾	Activity data ⁽²⁾	

⁽¹⁾ Enter the identification code of the source/sink category (e.g. 1.B.1) in the first column and the name of the category (e.g. Fugitive Emissions from Solid Fuels) in the second column of the table (see Table 8(a)).

⁽²⁾ Explain changes in methods, emission factors and activity data that have resulted in recalculation of the estimate of the source/sink as indicated in Table 8(a). Include relevant changes in the assumptions and coefficients under the "Methods" column.

Documentation box: Use the documentation box to report the justifications of the changes as to improvements in the accuracy, completeness and consistency of the inventory.

TABLE 9 COMPLETENESS
(Sheet 1 of 2)

Denmark
1990, Adj.el.ex.
April 11, 2001

Sources and sinks not reported (NE) ⁽¹⁾				
GHG	Sector ⁽²⁾	Source/sink category ⁽²⁾	Explanation	
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				
Sources and sinks reported elsewhere (IE) ⁽³⁾				
GHG	Source/sink category	Allocation as per IPCC Guidelines	Allocation used by the Party	Explanation
CO ₂				
CH ₄				
N ₂ O				
HFCs				
PFCs				
SF ₆				


⁽¹⁾ Please, clearly indicate sources and sinks which are considered in the IPCC Guidelines but are not considered in the submitted inventory. Explain the reason for excluding these sources and sinks, in order to avoid arbitrary interpretations. An entry should be made for each source/sink category for which the indicator "NE" is entered in the sectoral tables.

⁽²⁾ Indicate omitted source/sink following the IPCC source/sink category structure (e.g. sector: Waste, source category: Wastewater Handling).

⁽³⁾ Please clearly indicate sources and sinks in the submitted inventory that are allocated to a sector other than that indicated by the IPCC Guidelines. Show the sector indicated in the IPCC Guidelines and the sector to which the source or sink is allocated in the submitted inventory. Explain the reason for reporting these sources and sinks in a different sector. An entry should be made for each source/sink for which the indicator "IE" is used in the sectoral tables.

TABLE 9 COMPLETENESS
(Sheet 2 of 2)

Denmark
 1990, Adj.el.ex.
 April 11, 2001

Additional GHG emissions reported ⁽⁴⁾						
GHG 	Source category	Emissions (Gg)	Estimated GWP value (100-year horizon)	Emissions CO ₂ equivalent (Gg)	Reference to the data source of GWP value	Explanation

⁽⁴⁾ Parties are encouraged to provide information on emissions of greenhouse gases whose GWP values have not yet been agreed upon by the COP. Please include such gases in this table if they are considered in the submitted inventory. Provide additional information on the estimation methods used.

TABLE 11 CHECK LIST OF REPORTED INVENTORY INFORMATION ⁽¹⁾							
Party: Denmark		Year: 1990, Adj.e.l.ex.					
Contact info:	Focal point for national GHG inventories:						
	Address:						
	Telephone:	Fax:		E-mail:			
	Main institution preparing the inventory:						
General info:	Date of submission:						
	Base years:	PFCs, HFCs, SF ₆ :					
	Year covered in the submission:						
	Gases covered:						
	Omissions in geographic coverage:						
Tables:		Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste
	Sectoral report tables:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Sectoral background data tables:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Summary 1 (IPCC Summary tables):	IPCC Table 7A:		<input type="checkbox"/>	IPCC Table 7B:		<input type="checkbox"/>
	Summary 2 (CO ₂ equivalent emissions):			<input type="checkbox"/>			
	Summary 3 (Methods/Emission factors):			<input type="checkbox"/>			
	Uncertainty:	IPCC Table 8A:		<input type="checkbox"/>	National information:		<input type="checkbox"/>
	Recalculation tables:			<input type="checkbox"/>			
Completeness table:			<input type="checkbox"/>				
Trend table:			<input type="checkbox"/>				
CO₂	Comparison of CO ₂ from fuel combustion:	Worksheet 1-1		Percentage of difference		Explanation of differences	
		<input type="checkbox"/>		-100,00		<input type="checkbox"/>	
Recalculation:		Energy	Ind. Processes	Solvent Use	LUCF	Agriculture	Waste
	CO ₂	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	CH ₄	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	N ₂ O	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	HFCs, PFCs, SF ₆		<input type="checkbox"/>				
	Explanations:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Recalculation tables for all recalculated years:			<input type="checkbox"/>			
Full CRF for the recalculated base year:			<input type="checkbox"/>				
HFCs, PFCs, SF₆:		HFCs		PFCs		SF ₆	
	Disaggregation by species:	<input type="checkbox"/>		<input type="checkbox"/>			
	Production of Halocarbons/SF ₆ :	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
	Consumption of Halocarbons/SF ₆ :	Actual	Potential	Actual	Potential	Actual	Potential
	Potential/Actual emission ratio:	0,00		0,00		0,00	
Reference to National Inventory Report and/or national inventory web site:							

CRF - Common Reporting Format.
LUCF - Land-Use Change and Forestry.

⁽¹⁾ For each omission, give an explanation for the reasons by inserting a comment to the corresponding cell.

Appendix 2.2

Data for the assessment of progress towards Denmark's target under the EU Burden Sharing Agreement

Data for the assessment of progress towards Denmark's target under the EU Burden Sharing Agreement

The key data on Denmark's base year GHG inventory under the EU Burden Sharing Agreement and the key data on Denmark's 1991-1999 GHG inventories are shown in the table and should currently be used for assessments of Denmark's progress towards Denmark's target under the EU Burden Sharing Agreement.

GHGs ¹	Base year ²	Net emissions ³									
		1991	1992	1993	1994	1995	1996	1997	1998	1999	
Gg CO ₂ -eq.	1990/1995	76443	80540	74559	76521	81006	76876	90178	80218	76418	72894

Note 1: The following GHGs are included: CO₂, CH₄, N₂O, HFCs, PFCs and SF₆.

Note 2: Base year is 1990 for emissions of CO₂, CH₄ and N₂O and 1995 for emissions of HFCs, PFCs and SF₆.
CO₂ emissions in 1990 are adjusted for electricity exchange calculated as if all electricity used in Denmark was produced in Denmark.

Note 3: Net emissions are emissions by sources minus removals by sinks, where removals by sinks only include sequestration due to new forest activities since 1990 (in compare to the 1990-1999 SUMMARY 2-tables, 916 Gg has been added).

Appendix 2.3

**Emission trends 1990-1999 adjusted
for electricity exchange and
inter-annual temperature variations**

EMISSION TRENDS (SUMMARY)
with adjustments for electricity exchange and inter-annual temperature variations

Denmark
 1990-1999

CO ₂ Adjustments		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
	CO ₂ (Gg)										
- for electricity exchange (net import)		6.299,61	-1.557,74	2.938,79	1.068,18	-3.803,19	-689,98	-13.151,89	-5.994,94	-3.715,28	-1.917,51
- for inter-annual temperature variations		1.880,68	550,14	1.195,21	-215,63	741,79	242,09	-1.503,27	435,65	487,41	995,82

GREENHOUSE GAS EMISSIONS with CO ₂ adjustments applied	Base year ⁽¹⁾	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
	CO ₂ equivalent (Gg)										
Net CO ₂ emissions/removals	0,00	60.308,88	61.742,28	61.527,90	59.913,64	59.871,59	59.307,50	58.438,80	58.029,83	56.010,90	55.078,72
CO ₂ emissions (without LUCF) ⁽⁶⁾	0,00	61.224,88	62.660,28	62.448,90	60.837,64	60.799,59	60.238,50	59.379,80	58.980,83	56.974,90	56.054,72
CH ₄	0,00	5.852,17	5.900,30	5.900,64	5.997,64	5.893,02	5.869,25	5.857,70	5.710,59	6.017,47	5.644,07
N ₂ O	0,00	11.012,89	10.913,08	10.255,91	10.381,43	10.168,25	10.102,07	9.970,68	9.582,07	9.669,72	9.614,15
HFCs	0,00	0,00	0,00	3,22	30,20	57,59	125,99	278,30	343,57	503,11	621,17
PFCs	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	3,50	14,00	30,10
SF ₆	0,00	43,02	60,95	88,93	135,01	122,06	107,36	60,99	73,09	59,44	64,77
Total (with net CO₂ emissions/removals)	0,00	77.216,96	78.616,61	77.776,60	76.457,92	76.112,50	75.512,18	74.606,47	73.742,65	72.274,63	71.052,97
Total (without CO₂ from LUCF) ⁽⁶⁾	0,00	78.132,96	79.534,61	78.697,60	77.381,92	77.040,50	76.443,18	75.547,47	74.693,65	73.238,63	72.028,97

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ⁽¹⁾	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
	CO ₂ equivalent (Gg)										
1. Energy with CO ₂ adjustments applied	0,00	61.341,21	62.781,20	62.425,87	60.851,63	60.923,49	60.403,85	59.646,55	59.066,50	57.531,70	56.648,88
2. Industrial Processes	0,00	1.048,52	1.239,03	1.392,64	1.476,20	1.497,41	1.544,36	1.727,42	1.959,47	2.012,79	2.117,66
3. Solvent and Other Product Use	0,00	123,58	122,40	121,22	125,49	118,87	117,67	116,48	115,30	114,11	113,24
4. Agriculture	0,00	14.309,25	14.054,28	13.397,07	13.569,91	13.125,22	13.060,60	12.752,92	12.311,27	12.416,61	12.039,50
5. Land-Use Change and Forestry ⁽⁷⁾	0,00	-916,00	-918,00	-921,00	-924,00	-928,00	-931,00	-941,00	-951,00	-964,00	-976,00
6. Waste	0,00	1.310,40	1.337,70	1.360,80	1.358,70	1.375,50	1.316,70	1.304,10	1.241,10	1.163,42	1.109,70
7. Other	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

⁽⁶⁾ The information in these rows is requested to facilitate comparison of data, since Parties differ in the way they report CO₂ emissions and removals from Land-Use Change and Forestry.

⁽⁷⁾ Net emissions.

Appendix 3

Information on Greenland and the Faroe Islands

CO₂ emissions in Greenland and the Faroe Islands

There are no total greenhouse inventories for Greenland and the Faroe Islands at present. Though fossil fuels are expected to be the most important sources of greenhouse gases both in Greenland and the Faroe Islands. Figures for CO₂ emissions from fossil fuels during the 1990 to 1999 period are given in the table below. It has not been possible to distribute emissions by sector in the IPCC format.

As shown in the table, CO₂ emissions in Greenland and the Faroe Islands were nearly equal in 1990, and just over 600 Gg. Since then, Greenlands CO₂ emissions have fallen by 10 % and that of the Faroe Islands by 1 % up to 1998. In 1999 an increase in emissions is noticed for Greenland. This is mainly due to more accurate fuel figures for aviation provided by Statistics Greenland. For this fuel type it has not been possible at the moment to update information for previous years. The sudden increase in CO₂ emissions from 1998 to 1999 on the Faroe Islands is due to a large import of coal briquettes in 1999.

The possibilites for corresponding improvement in statistics and greenhouse gas inventories in both Greenland and the Faroe Islands will be investigated.

	Greenland		Faroe Islands	
	Gg CO ₂	Change in % In compare to 1990	Gg CO ₂	Change in % In compare to 1990
1990	624		634	
1991	609	-2	586	-8
1992	594	-5	657	4
1993	-	-	597	-6
1994	494	-21	531	-16
1995	548	-12	616	-3
1996	576	-8	602	-5
1997	593	-5	610	-4
1998	561	-10	629	-1
1999	584	-6	706	11

Preliminary estimation of CO₂ emissions in Greenland and the Faroe Islands 1990 –1999.

Appendix 4

Emission factors used for fuel combustion

01	COMBUSTION IN ENERGY AND TRANSFORMATION INDUSTRIES	(a) (b)
-----------	---	------------

01 01	Public power
01 01 01	Combustion plants \geq 300 MW (boilers)
01 01 02	Combustion plants \geq 50 and $<$ 300 MW (boilers)
01 01 03	Combustion plants $<$ 50 MW (boilers)
01 01 04	Gas turbines
01 01 05	Stationary engines
01 02	District heating plants
01 02 01	Combustion plants \geq 300 MW (boilers)
01 02 02	Combustion plants \geq 50 and $<$ 300 MW (boilers)
01 02 03	Combustion plants $<$ 50 MW (boilers)
01 02 04	Gas turbines
01 02 05	Stationary engines
01 03	Petroleum refining plants
01 03 01	Combustion plants \geq 300 MW (boilers)
01 03 02	Combustion plants \geq 50 and $<$ 300 MW (boilers)
01 03 03	Combustion plants $<$ 50 MW (boilers)
01 03 04	Gas turbines
01 03 05	Stationary engines
01 03 06	Process furnaces
01 04	Solid fuel transformation plants
01 04 01	Combustion plants \geq 300 MW (boilers)
01 04 02	Combustion plants \geq 50 and $<$ 300 MW (boilers)
01 04 03	Combustion plants $<$ 50 MW (boilers)
01 04 04	Gas turbines
01 04 05	Stationary engines
01 04 06	Coke oven furnaces
01 04 07	Other (coal gasification, liquefaction, ...)
01 05	Coal mining, oil / gas extraction, pipeline compressors
01 05 01	Combustion plants \geq 300 MW (boilers)
01 05 02	Combustion plants \geq 50 and $<$ 300 MW (boilers)
01 05 03	Combustion plants $<$ 50 MW (boilers)
01 05 04	Gas turbines
01 05 05	Stationary engines
01 05 06	Pipeline compressors

(a) Process where flames and/or combustion gases are not in contact with other products.

(b) All powers are expressed as net rated thermal input capacity.

#REF!

#REF!

02	NON-INDUSTRIAL COMBUSTION PLANTS	(b)
-----------	---	-----

02 01	Commercial and institutional plants (t)
02 01 01	Combustion plants \geq 300 MW (boilers)
02 01 02	Combustion plants \geq 50 and $<$ 300 MW (boilers)
02 01 03	Combustion plants $<$ 50 MW (boilers)
02 01 04	Stationary gas turbines
02 01 05	Stationary engines
02 01 06	Other stationary equipments (n)
02 02	Residential plants
02 02 01	Combustion plants \geq 50 MW (boilers)
02 02 02	Combustion plants $<$ 50 MW (boilers)
02 02 03	Gas turbines
02 02 04	Stationary engines
02 02 05	Other equipments (stoves, fireplaces, cooking,...)
02 03	Plants in agriculture, forestry and aquaculture
02 03 01	Combustion plants \geq 50 MW (boilers)
02 03 02	Combustion plants $<$ 50 MW (boilers)
02 03 03	Stationary gas turbines
02 03 04	Stationary engines
02 03 05	Other stationary equipments (n)

03	COMBUSTION IN MANUFACTURING INDUSTRY	(b)
-----------	---	-----

03 01	Comb. in boilers, gas turbines and stationary engines
03 01 01	Combustion plants \geq 300 MW (boilers)
03 01 02	Combustion plants \geq 50 and $<$ 300 MW (boilers)
03 01 03	Combustion plants $<$ 50 MW (boilers)

03 01 04	Gas turbines
03 01 05	Stationary engines
03 01 06	Other stationary equipments (n)

- (b) All powers are expressed as net rated thermal input capacity.
 (n) Make up, air heaters, etc.

#REF!

#REF!

03 02	Process furnaces without contact (a)
03 02 03	Blast furnace cowpers
03 02 04	Plaster furnaces
03 02 05	Other furnaces
03 03	Processes with contact
03 03 01	Sinter and pelletizing plants
03 03 02	Reheating furnaces steel and iron
03 03 03	Gray iron foundries
03 03 04	Primary lead production
03 03 05	Primary zinc production
03 03 06	Primary copper production
03 03 07	Secondary lead production
03 03 08	Secondary zinc production
03 03 09	Secondary copper production
03 03 10	Secondary aluminium production
03 03 11	Cement (f)
03 03 12	Lime (includ. iron and steel and paper pulp industr.)(f)
03 03 13	Asphalt concrete plants
03 03 14	Flat glass (f)
03 03 15	Container glass (f)
03 03 16	Glass wool (except binding) (f)
03 03 17	Other glass (f)
03 03 18	Mineral wool (except binding)
03 03 19	Bricks and tiles
03 03 20	Fine ceramic materials
03 03 21	Paper-mill industry (drying processes)
03 03 22	Alumina production
03 03 23	Magnesium production (dolomite treatment)
03 03 24	Nickel production (thermal process)
03 03 25	Enamel production
03 03 26	Other

- (a) Process where flames and/or combustion gases are not in contact with other products.
 (f) Except decarbonizing considered in items 04.06.12/13/14.

#REF!

#REF!

04 **PRODUCTION PROCESSES** (j)

04 01	Processes in petroleum industries
04 01 01	Petroleum products processing
04 01 02	Fluid catalytic cracking - CO boiler
04 01 03	Sulphur recovery plants
04 01 04	Storage and handling of petroleum produc. in refinery
04 01 05	Other
04 02	Processes in iron and steel industries and collieries
04 02 01	Coke oven (door leakage and extinction)
04 02 02	Blast furnace charging
04 02 03	Pig iron tapping
04 02 04	Solid smokeless fuel
04 02 05	Open hearth furnace steel plant
04 02 06	Basic oxygen furnace steel plant
04 02 07	Electric furnace steel plant
04 02 08	Rolling mills

04 02 09 Sinter and pelletizing plant (except comb. 03.03.01)
 04 02 10 Other

04 03 **Processes in non-ferrous metal industries**
 04 03 01 Aluminium production (electrolysis)
 04 03 02 Ferro alloys
 04 03 03 Silicon production
 04 03 04 Magnesium production (except 03.03.23)
 04 03 05 Nickel production (except 03.03.24)
 04 03 06 Allied metal manufacturing
 04 03 07 Galvanizing
 04 03 08 Electroplating
 04 03 09 Other

(j) Except combustion which is SNAP 03.

#REF!

#REF!

04 04 **Processes in inorganic chemical industries**
 04 04 01 Sulfuric acid
 04 04 02 Nitric acid
 04 04 03 Ammonia
 04 04 04 Ammonium sulphate
 04 04 05 Ammonium nitrate
 04 04 06 Ammonium phosphate
 04 04 07 NPK fertilisers
 04 04 08 Urea
 04 04 09 Carbon black
 04 04 10 Titanium dioxide
 04 04 11 Graphite
 04 04 12 Calcium carbide production
 04 04 13 Chlorine production
 04 04 14 Phosphate fertilizers
 04 04 15 Storage and handling of inorganic chemical prod. (o)
 04 04 16 Other

(j) Except combustion which is included in SNAP 03.

(o) Excluding petroleum products

#REF!

#REF!

04 05 **Proc. in organic chemical industr. (bulk production)**

04 05 01	Ethylene
04 05 02	Propylene
04 05 03	1,2 dichloroethane (except 04.05.05)
04 05 04	Vinylchloride (except 04.05.05)
04 05 05	1,2 dichloroethane + vinylchloride (balanced process)
04 05 06	Polyethylene Low Density
04 05 07	Polyethylene High Density
04 05 08	Polyvinylchloride
04 05 09	Polypropylene
04 05 10	Styrene
04 05 11	Polystyrene
04 05 12	Styrene butadiene
04 05 13	Styrene-butadiene latex
04 05 14	Styrene-butadiene rubber (SBR)
04 05 15	Acrylonitrile Butadiene Styrene (ABS) resins
04 05 16	Ethylene oxide
04 05 17	Formaldehyde
04 05 18	Ethylbenzene
04 05 19	Phthalic anhydride
04 05 20	Acrylonitrile
04 05 21	Adipic acid
04 05 22	Storage and handling of organic chemical products (o)
04 05 23	Glyoxylic acid
04 05 25	Pesticide production
04 05 26	Production of persistent organic compounds
04 05 27	Other (phytosanitary,...)

- (j) Except combustion which is included in SNAP 03.
(o) Excluding petroleum products

#REF!

#REF!

04 06	Processes in wood, paper pulp, food, drink and other industries
04 06 01	Chipboard
04 06 02	Paper pulp (kraft process)
04 06 03	Paper pulp (acid sulfite process)
04 06 04	Paper pulp (Neutral Sulphite Semi-Chemical process)
04 06 05	Bread
04 06 06	Wine
04 06 07	Beer
04 06 08	Spirits
04 06 10	Roof covering with asphalt materials
04 06 11	Road paving with asphalt
04 06 12	Cement (decarbonizing)
04 06 13	Glass (decarbonizing)
04 06 14	Lime (decarbonizing)
04 06 15	Batteries manufacturing
04 06 16	Extraction of mineral ores
04 06 17	Other (including asbestos products manufacturing)
04 06 18	Limestone and dolomite use
04 06 19	Soda ash production and use
04 08	Production of halocarbons and sulphur hexafluoride
04 08 01	Halogenated hydrocarbons production - By-products
04 08 02	Halogenated hydrocarbons production - Fugitive
04 08 03	Halogenated hydrocarbons production - Other
04 08 04	Sulphur hexafluoride production - By-products
04 08 05	Sulphur hexafluoride production - Fugitive
04 08 06	Sulphur hexafluoride production - Other

- (j) Except combustion which is included in SNAP 03.

#REF!	#REF!
05	EXTRACTION AND DISTRIBUTION OF FOSSIL FUELS AND GEOTHERMAL ENERGY
05 01	Extraction and 1st treatment of solid fossil fuels (g)
05 01 01	Open cast mining
05 01 02	Underground mining
05 01 03	Storage of solid fuel
05 02	Extraction, 1st treatment and loading of liquid fossil fuels (d)(g)(p)
05 02 01	Land-based activities
05 02 02	Off-shore activities
05 03	Extraction, 1st treatment and loading of gaseous fossil fuels (d)(g)(p)
05 03 01	Land-based desulfuration
05 03 02	Land-based activities (other than desulfuration)
05 03 03	Off-shore activities
05 04	Liquid fuel distribution (except gasoline distribution)
05 04 01	Marine terminals (tankers, handling and storage)
05 04 02	Other handling and storage (including pipeline) (q)
05 05	Gasoline distribution
05 05 01	Refinery dispatch station
05 05 02	Transport and depots (except 05.05.03)
05 05 03	Service stations (including refuelling of cars)
05 06	Gas distribution networks
05 06 01	Pipelines (q)
05 06 03	Distribution networks
05 07	Geothermal energy extraction
(d)	Excluding flaring which is included in 09.02.08
(p)	Combined oil and gas extraction has to be considered in items 05.02.
(q)	Except combustion in compressor stations which is included in item 01.05.06.

#REF!	#REF!
06	SOLVENT AND OTHER PRODUCT USE
06 01	Paint application
06 01 01	Paint application : manufacture of automobiles
06 01 02	Paint application : car repairing
06 01 03	Paint application : construction and buildings (except item 06.01.07)
06 01 04	Paint application : domestic use (except 06.01.07)
06 01 05	Paint application : coil coating
06 01 06	Paint application : boat building
06 01 07	Paint application : wood
06 01 08	Other industrial paint application
06 01 09	Other non industrial paint application
06 02	Degreasing, dry cleaning and electronics
06 02 01	Metal degreasing
06 02 02	Dry cleaning
06 02 03	Electronic components manufacturing
06 02 04	Other industrial cleaning
06 03	Chemical products manufacturing or processing
06 03 01	Polyester processing
06 03 02	Polyvinylchloride processing

06 03 03	Polyurethane processing
06 03 04	Polystyrene foam processing (c)
06 03 05	Rubber processing
06 03 06	Pharmaceutical products manufacturing
06 03 07	Paints manufacturing
06 03 08	Inks manufacturing
06 03 09	Glues manufacturing
06 03 10	Asphalt blowing
06 03 11	Adhesive, magnetic tapes, films and photographs manufacturing
06 03 12	Textile finishing
06 03 13	Leather tanning
06 03 14	Other

(c) Except 06.05.04

#REF!

#REF!

06 04	Other use of solvents and related activities
06 04 01	Glass wool enduction
06 04 02	Mineral wool enduction
06 04 03	Printing industry
06 04 04	Fat, edible and non edible oil extraction
06 04 05	Application of glues and adhesives
06 04 06	Preservation of wood
06 04 07	Underseal treatment and conservation of vehicles
06 04 08	Domestic solvent use (other than paint application)(k)
06 04 09	Vehicles dewaxing
06 04 11	Domestic use of pharmaceutical products (k)
06 04 12	Other (preservation of seeds,...)
06 05	Use of HFC, N2O, NH3, PFC and SF6
06 05 01	Anaesthesia
06 05 02	Refrigeration and air conditioning equipments using halocarbons (e)
06 05 03	Refrigeration and air conditioning equipments using other products than halocarbons (e)
06 05 04	Foam blowing (except 060304)
06 05 05	Fire extinguishers
06 05 06	Aerosol cans
06 05 07	Electrical equipments (except 060203)
06 05 08	Other

(e) Including cooling plants registered under item 04.07 in SNAP 94
(k) Except aerosols reported under 06.05.05

#REF!

#REF!

07 ROAD TRANSPORT

07 01	Passenger cars (r)
07 01 01	Highway driving
07 01 02	Rural driving
07 01 03	Urban driving
07 02	Light duty vehicles < 3.5 t (r)

07 02 01	Highway driving
07 02 02	Rural driving
07 02 03	Urban driving
07 03	Heavy duty vehicles > 3.5 t and buses (r)
07 03 01	Highway driving
07 03 02	Rural driving
07 03 03	Urban driving
07 04	Mopeds and Motorcycles < 50 cm3
07 05	Motorcycles > 50 cm3
07 05 01	Highway driving
07 05 02	Rural driving
07 05 03	Urban driving
07 06	Gasoline evaporation from vehicles
07 07	Automobile tyre and brake wear

(r) Gasoline and diesel vehicles are differentiated by associating relevant fuels, equipments such as catalyst are considered by using rubrics. Relevant combinations of activities, fuels and rubrics allows to fit with source split requirements of COPERT and Guidebook.

#REF! #REF!

08 OTHER MOBILE SOURCES AND MACHINERY

08 01	Military
08 02	Railways
08 02 01	Shunting locs
08 02 02	Rail-cars
08 02 03	Locomotives
08 03	Inland waterways
08 03 01	Sailing boats with auxilliary engines
08 03 02	Motorboats / workboats
08 03 03	Personal watercraft
08 03 04	Inland goods carrying vessels
08 04	Maritime activities
08 04 02	National sea traffic within EMEP area
08 04 03	National fishing
08 04 04	International sea traffic (international bunkers)(h)
08 05	Air traffic
08 05 01	Domestic airport traffic (LTO cycles - <1000 m)
08 05 02	International airport traffic (LTO cycles - <1000 m)
08 05 03	Domestic cruise traffic (>1000 m)
08 05 04	International cruise traffic (>1000 m)(i)
08 06	Agriculture
08 07	Forestry
08 08	Industry
08 09	Household and gardening
08 10	Other off-road

(h) International bunkers based on total national sales for ships and boats minus fuels used for items 08.03.01 to 08.03.04 and 08.04.02 and 08.04.03.

#REF!	#REF!
-------	-------

09	WASTE TREATMENT AND DISPOSAL
----	-------------------------------------

09 02	Waste incineration	
09 02 01		Incineration of domestic or municipal wastes
09 02 02		Incineration of industrial wastes (except flaring)
09 02 03		Flaring in oil refinery
09 02 04		Flaring in chemical industries
09 02 05		Incineration of sludges from waste water treatment
09 02 06		Flaring in gas and oil extraction
09 02 07		Incineration of hospital wastes
09 02 08		Incineration of waste oil
09 04	Solid Waste Disposal on Land	
09 04 01		Managed Waste Disposal on Land
09 04 02		Unmanaged Waste Disposal Sites
09 04 03		Other
09 07	Open burning of agricultural wastes (except 10.03)	
09 09	Cremation	
09 09 01		Incineration of corpses
09 09 02		Incineration of carcasses
09 10	Other waste treatment	
09 10 01		Waste water treatment in industry
09 10 02		Waste water treatment in residential/commercial sect.
09 10 03		Sludge spreading
09 10 05		Compost production
09 10 06		Biogas production
09 10 07		Latrines
09 10 08		Other production of fuel (refuse derived fuel,...)

#REF!	#REF!
-------	-------

10	AGRICULTURE
----	--------------------

10 01	Cultures with fertilizers	
10 01 01		Permanent crops
10 01 02		Arable land crops
10 01 03		Rice field
10 01 04		Market gardening
10 01 05		Grassland
10 01 06		Fallows
10 02	Cultures without fertilizers	
10 02 01		Permanent crops
10 02 02		Arable land crops
10 02 03		Rice field
10 02 04		Market gardening
10 02 05		Grassland
10 02 06		Fallows
10 03	On-field burning of stubble, straw,...	
10 03 01		Cereals
10 03 02		Pulse
10 03 03		Tuber and Root
10 03 04		Sugar Cane
10 03 05		Other
10 04	Enteric fermentation	
10 04 01		Dairy cows
10 04 02		Other cattle

10 04 03	Ovines
10 04 04	Fattening pigs
10 04 05	Horses
10 04 06	Mules and asses
10 04 07	Goats
10 04 08	Laying hens
10 04 09	Broilers
10 04 10	Other poultry (ducks,gooses,etc.)
10 04 11	Fur animals
10 04 12	Sows
10 04 13	Camels
10 04 14	Buffalo
10 04 15	Other

#REF!

#REF!

10 05 **Manure management regarding organic compounds**

10 05 01	Dairy cows
10 05 02	Other cattle
10 05 03	Fattening pigs
10 05 04	Sows
10 05 05	Ovines
10 05 06	Horses
10 05 07	Laying hens
10 05 08	Broilers
10 05 09	Other poultry (ducks,gooses,etc.)
10 05 10	Fur animals
10 05 11	Goats
10 05 12	Mules and asses
10 05 13	Camels
10 05 14	Buffalo
10 05 15	Other

10 06 **Use of pesticides and limestone**

10 06 01	Agriculture
10 06 02	Forestry
10 06 03	Market gardening
10 06 04	Lakes

10 09 **Manure management regarding nitrogen compounds**

10 09 01	Anaerobic
10 09 02	Liquid systems
10 09 03	Solid storage and dry lot
10 09 04	Other

#REF!

#REF!

11 **OTHER SOURCES AND SINKS**

11 01 **Non-managed broadleaf forests**

11 01 04	European oak
11 01 05	Sessile oak
11 01 06	Other deciduous oaks
11 01 07	Holm oak
11 01 08	Cork oak
11 01 09	Other evergreen oaks
11 01 10	Beech
11 01 11	Birch
11 01 15	Other deciduous broadleaf species
11 01 16	Other evergreen broadleaf species

11 01 17	Soils (excluding CO2)
11 02	Non-managed coniferous forests
11 02 04	Norway spruce
11 02 05	Sitca spruce
11 02 06	Other spruce
11 02 07	Scots pine
11 02 08	Maritime pine
11 02 09	Aleppo pine
11 02 10	Other pines
11 02 11	Fir
11 02 12	Larch
11 02 15	Other conifers
11 02 16	Soils (excluding CO2)
11 03	Forest and other vegetation fires
11 03 01	Man-induced
11 03 02	Other
11 04	Natural grassland and other vegetation
11 04 01	Grassland
11 04 02	Tundra
11 04 03	Other low vegetation
11 04 04	Other vegetation (Mediterranean scrub,...)
11 04 05	Soils (excluding CO2)

#REF!

#REF!

11 05	Wetlands (marshes - swamps)
11 05 01	Undrained marshes
11 05 02	Drained marshes
11 05 03	Bogs
11 05 04	Fens
11 05 05	Swamps
11 05 06	Floodplains
11 06	Waters
11 06 01	Lakes
11 06 02	Shallow saltwaters (<6m)
11 06 03	Ground waters
11 06 04	Drainage waters
11 06 05	Rivers
11 06 06	Ditches and canals
11 06 07	Coastal waters (> 6m)
11 07	Animals
11 07 01	Termites
11 07 02	Mammals
11 07 03	Other animals
11 08	Volcanoes
11 09	Gas seeps
11 10	Lightning
11 11	Managed broadleaf forests
11 11 04	European oak
11 11 05	Sessile oak
11 11 06	Other deciduous oaks
11 11 07	Holm oak
11 11 08	Cork oak
11 11 09	Other evergreen oaks
11 11 10	Beech
11 11 11	Birch
11 11 15	Other deciduous broadleaf species
11 11 16	Other evergreen broadleaf species
11 11 17	Soils (excluding CO2)

#REF!

#REF!

11 12	Managed coniferous forests
11 12 04	Norway spruce
11 12 05	Sitka spruce
11 12 06	Other spruce
11 12 07	Scots pine
11 12 08	Maritime pine
11 12 09	Aleppo pine
11 12 10	Other pines
11 12 11	Fir
11 12 12	Larch
11 12 15	Other conifers
11 12 16	Soils (excluding CO ₂)
11 21	Changes in forest and other woody biomass stocks
11 21 01	Tropical forests
11 21 02	Temperate forests
11 21 03	Boreal forests
11 21 04	Grassland / tundra
11 21 05	Other
11 22	Forest and grassland conversion
11 22 01	Tropical forests
11 22 02	Temperate forests
11 22 03	Boreal forests
11 22 04	Grassland / tundra
11 22 05	Other
11 23	Abandonment of managed lands
11 23 01	Tropical forests
11 23 02	Temperate forests
11 23 03	Boreal forests
11 23 04	Grassland / tundra
11 23 05	Other
11 24	CO₂ emissions from / or removals into soils (except 10.06)
11 25	Other

[u] Positive values = net emissions or negative values = net removals.
Net means that emission (+) and removal (-) have to be added.

Emission factors, 1990 for the CORINAIR database

Jytte Boll Illerup

Dec. 2000	Fuel	SO2	NOx	NMVOC	CH4	CO	CO2	N2O
SNAP		g/GJ	g/GJ	g/GJ	g/GJ	kg/GJ	g/GJ	g/GJ
010101	Coal	se note	345,00	1,50	1,50	10,00	95,00	3,00
010201	Waste	90,00	150,00	9,00	6,00	10,00	92,56	4,00
010202	Waste, plastic	0,00	0,00	0,00	0,00	0,00	24,44	0,00
	Straw	130,00	90,00	48,00	32,00	600,00	102,00	4,00
	Wood	25,00	130,00	48,00	32,00	97,20	102,00	4,00
	Fuel oil	445,00	240,00	3,00	3,00	15,00	78,00	2,00
	Natural gas	0,30	240,00	2,50	2,50	20,00	56,90	1,00
010103	Coal	584,00	200,00	15,00	15,00	97,20	95,00	3,00
010203	Waste	90,00	150,00	9,00	6,00	100,00	92,56	4,00
	Waste, plastic	0,00	0,00	0,00	0,00	0,00	24,44	0,00
	Straw	130,00	90,00	48,00	32,00	600,00	102,00	3,00
	Wood	25,00	130,00	48,00	32,00	97,20	102,00	4,00
	Energy crops	46,84	100,00	1,50	1,50	12,00	74,00	2,00
	Fuel oil	495,00	150,00	3,00	3,00	15,00	78,00	2,00
	Gas oil	94,00	100,00	1,50	1,50	12,00	74,00	2,00
	Natural gas	0,30	150,00	4,00	4,00	13,00	56,90	1,00
	Refinery gas	0,00	100,00	4,00	4,00	13,00	56,90	1,00
0301	Coal	584,00	200,00	15,00	15,00	97,20	95,00	3,00
010406	Straw	130,00	90,00	48,00	32,00	600,00	102,00	3,00
010502	Wood	25,00	130,00	48,00	32,00	160,00	102,00	4,00
	Petroleum coke	680,00	200,00	1,50	1,50	97,00	102,00	3,00
	Fuel oil	495,00	150,00	3,00	3,00	15,00	78,00	2,00
	Gas oil	94,00	100,00	1,50	1,50	12,00	74,00	2,00
	LPG combustion	0,00	100,00	2,10	0,90	13,00	65,00	1,00
	Natural gas	0,30	100,00	4,00	4,00	13,00	56,90	1,00
	Bio gas	0,30	100,00	4,00	4,00	13,00	56,90	1,00
	Refinery gas	0,00	100,00	4,00	4,00	13,00	56,90	1,00
0201	Straw	130,00	90,00	600,00	400,00	600,00	102,00	3,00
0202	Wood	25,00	50,00	600,00	400,00	10000,00	102,00	3,00
0203	Petroleum coke	680,00	50,00	1,50	1,50	1000,00	102,00	3,00
	Gas oil	94,00	50,00	3,00	7,00	20,00	74,00	2,00
	Kerosine	5,00	50,00	3,00	7,00	20,00	72,00	2,00
	LPG	0,00	100,00	2,10	0,90	25,00	65,00	1,00
	Natural gas	0,30	50,00	5,00	5,00	25,00	56,90	1,00
	Bio gas	0,30	50,00	5,00	5,00	25,00	56,90	1,00
010306	Refinery gas	0,00	100,00	4,00	4,00	13,00	56,90	1,00
010304	Gas,turbine	0,00	180,00	4,00	4,00	40,00	56,90	1,00
090203, 090	Gas,flared	0,00	308,00	87,18	161,54	200,21	56,90	1,00
010306	Fuel oil	648,85	150,00	3,00	3,00	15,00	78,00	2,00

Note: SO2 and NOx emissions from power plants are measured and not calculated by emission factors

Energy-EMF-99

Emission factors, 1999 for the CORINAIR database
Jytte Boll Illerup

Dec. 2000 SNAP	Fuel	SO2 g/GJ	NOx g/GJ	NMVOC g/GJ	CH4 g/GJ	CO kg/GJ	CO2 g/GJ	N2O g/GJ
010101	Coal	se note	400,00	1,50	1,50	10,00	95,00	3,00
010102	Orimulsion	1336,63	240,00	3,00	3,00	15,00	80,00	2,00
010201	Waste	156,00	150,00	9,00	6,00	10,00	97,80	4,00
010202	Waste, plastic	0,00	0,00	0,00	0,00	0,00	19,20	0,00
	Straw	25,40	130,00	48,00	32,00	150,00	102,00	4,00
	Wood	25,40	130,00	48,00	32,00	100,00	102,00	4,00
	Fuel oil	445,54	240,00	3,00	3,00	15,00	78,00	2,00
	Diesel oil	23,42	300,00	1,50	1,50	12,00	74,00	2,00
	Natural gas	0,30	240,00	2,50	2,50	20,00	56,90	1,00
010103	Coal	583,97	200,00	15,00	15,00	10,00	95,00	3,00
010203	Waste	156,00	150,00	9,00	6,00	10,00	97,80	4,00
	Waste, plastic	0,00	0,00	0,00	0,00	0,00	19,20	0,00
	Straw	25,40	130,00	48,00	32,00	150,00	102,00	4,00
	Wood	25,40	130,00	48,00	32,00	100,00	102,00	4,00
	Energy crops	46,84	100,00	1,50	1,50	12,00	74,00	2,00
	Fuel oil	346,53	150,00	3,00	3,00	15,00	78,00	2,00
	Gas oil	23,42	52,00	1,50	1,50	48,00	74,00	2,00
	Natural gas	0,30	31,00	4,00	4,00	24,00	56,90	1,00
	Bio gas	0,30	600,00	4,00	4,00	250,00	56,90	1,00
	Refinery gas	0,00	60,00	4,00	4,00	24,00	56,90	1,00
010104	Natural gas	0,30	180,00	4,00	4,00	40,00	56,90	1,00
010204	Diesel oil, Gas oil	23,00	700,00	70,00	6,00	154,00	74,00	3,00
010105	Bio gas	0,30	600,00	4,00	280,00	250,00	56,90	1,00
010205	Diesel oil, Gas oil	23,00	700,00	70,00	6,00	154,00	74,00	3,00
020105	Natural gas	0,30	200,00	4,00	600,00	220,00	56,90	1,00
020204		0,00	0,00	0,00	0,00	0,00	0,00	0,00
020304		0,00	0,00	0,00	0,00	0,00	0,00	0,00
030105		0,00	0,00	0,00	0,00	0,00	0,00	0,00
0301	Coal	583,97	200,00	15,00	15,00	10,00	95,00	3,00
010406	Straw	25,40	130,00	48,00	32,00	150,00	102,00	4,00
010502	Wood	25,40	130,00	48,00	32,00	100,00	102,00	4,00
	Petroleum coke	680,00	200,00	1,50	1,50	10,00	92,00	3,00
	Fuel oil	346,53	150,00	3,00	3,00	15,00	78,00	2,00
	Gas oil	23,42	52,00	1,50	1,50	48,00	74,00	2,00
	LPG combustion	0,00	100,00	2,10	0,90	13,00	65,00	1,00
	Natural gas	0,30	31,00	4,00	4,00	24,00	56,90	1,00
	Bio gas	0,30	600,00	4,00	4,00	250,00	56,90	1,00
	Refinery gas	0,00	60,00	48,00	32,00	150,00	56,90	1,00
0201	Straw	25,40	50,00	600,00	400,00	10000,00	102,00	3,00
	Waste	156,00	150,00	9,00	6,00	10,00	97,80	4,00
	Waste, plastic	0,00	0,00	0,00	0,00	0,00	19,20	0,00
0202	Wood	25,40	50,00	600,00	400,00	10000,00	102,00	3,00
0203	Petroleum coke	680,00	50,00	1,50	1,50	1000,00	92,00	3,00
	Gas oil	23,42	52,00	3,00	7,00	48,00	74,00	2,00
	Kerosine	4,60	50,00	3,00	7,00	20,00	72,00	2,00
	LPG	0,00	100,00	2,10	0,90	25,00	65,00	1,00
	Natural gas	0,30	31,00	4,00	4,00	24,00	56,90	1,00
	Bio gas	0,30	600,00	4,00	4,00	250,00	56,90	1,00
010306	Refinery gas	0,00	60,00	4,00	4,00	24,00	56,90	1,00
010304	Gas,turbine	0,00	180,00	4,00	4,00	40,00	56,90	1,00
090203, 090	Gas,flared	0,00	307,69	87,18	161,54	200,21	56,90	1,00
010306	Fuel oil	648,85	150,00	3,00	3,00	15,00	78,00	2,00

Note: SO2 and NOx emissions from power plants are measured and not calculated by emission factors.

Transport-EMF-90-99

Year	snap_id	Category	Fuel type	Mode	SO ₂ [g/GJ]	NO _x [g/GJ]	NM VOC [g/GJ]	CH ₄ [g/GJ]	CO [g/GJ]	CO ₂ [kg/GJ]	N ₂ O [g/GJ]	NH ₃ [g/GJ]	PM [g/GJ]
1990	070101	Passenger cars	Diesel	Highway driving	93,7475	253,7775	26,4714	2,3378	179,6961	74	4,6755	0,4676	79,4838
1990	070101	Passenger cars	Gasoline 2-stroke	Highway driving	4,5697	288,7722	2356,3008	10,0268	3489,3304	73	2,0054	0,8021	0,0000
1990	070101	Passenger cars	Gasoline catalyst	Highway driving	4,5697	176,0553	24,1992	7,2272	989,8650	73	18,0681	36,1361	0,0000
1990	070101	Passenger cars	Gasoline conventional	Highway driving	4,5697	1311,2348	369,3855	11,2987	3612,8925	73	2,1344	0,8538	0,0000
1990	070101	Passenger cars	LPG	Highway driving	0,0000	1149,8213	187,0889	10,0644	3928,4844	65	0,0000	0,0000	0,0000
1990	070102	Passenger cars	Diesel	Rural driving	93,7475	253,3280	46,0715	2,8415	268,0768	74	5,6830	0,5683	75,1297
1990	070102	Passenger cars	Gasoline 2-stroke	Rural driving	4,5697	352,8435	2476,8230	13,8370	2594,4375	73	1,7296	0,6919	0,0000
1990	070102	Passenger cars	Gasoline catalyst	Rural driving	4,5697	141,8459	14,8692	9,1484	565,0767	73	22,8710	45,7420	0,0000
1990	070102	Passenger cars	Gasoline conventional	Rural driving	4,5697	1139,7082	488,3493	14,1452	4110,9900	73	2,3964	0,9586	0,0000
1990	070102	Passenger cars	LPG	Rural driving	0,0000	1246,4606	305,1805	16,9082	1155,2829	65	0,0000	0,0000	0,0000
1990	070103	Passenger cars	Diesel	Urban driving	93,7475	208,3077	85,1599	3,0327	310,6866	74	3,5507	0,3551	117,1615
1990	070103	Passenger cars	Gasoline 2-stroke	Urban driving	4,5697	61,4206	3111,9757	30,7103	4227,7826	73	1,0237	0,4095	0,0000
1990	070103	Passenger cars	Gasoline catalyst	Urban driving	4,5697	206,9069	230,7501	40,7950	2148,3899	73	14,5192	20,3269	0,0000
1990	070103	Passenger cars	Gasoline conventional	Urban driving	4,5697	649,8574	917,1317	51,6671	9781,4735	73	1,6589	0,6636	0,0000
1990	070103	Passenger cars	LPG	Urban driving	0,0000	641,9489	421,6656	33,6704	1254,2149	65	0,0000	0,0000	0,0000
1990	070201	Light duty vehicles	Diesel	Highway driving	93,7475	325,5589	33,8266	1,4606	309,6679	74	4,9659	0,2921	94,0133
1990	070201	Light duty vehicles	Gasoline	Highway driving	4,5697	708,7796	158,5354	9,4097	2781,1439	73	2,2583	0,7528	0,0000
1990	070202	Light duty vehicles	Diesel	Rural driving	93,7475	361,4008	48,8449	1,7229	347,7207	74	5,8579	0,3446	104,5152
1990	070202	Light duty vehicles	Gasoline	Rural driving	4,5697	682,0817	260,1361	15,1083	2294,5684	73	2,2662	0,7554	0,0000
1990	070203	Light duty vehicles	Diesel	Urban driving	93,7475	341,8181	124,3644	2,4774	436,8737	74	4,8815	0,2871	137,1112
1990	070203	Light duty vehicles	Gasoline	Urban driving	4,5697	440,8366	701,3147	60,9274	7317,6388	73	1,4278	0,4759	0,0000
1990	070301	Heavy duty vehicles	Diesel	Highway driving	93,7475	826,2570	78,1138	6,0955	177,3319	74	2,9697	0,2970	45,2671
1990	070301	Heavy duty vehicles	Gasoline	Highway driving	4,5697	1037,7750	474,6091	9,6859	7610,3501	73	0,8302	0,2767	0,0000
1990	070302	Heavy duty vehicles	Diesel	Rural driving	93,7475	941,2137	105,7998	6,8694	244,0405	74	3,1753	0,3175	54,5460
1990	070302	Heavy duty vehicles	Gasoline	Rural driving	4,5697	1141,5525	820,3957	16,7428	8371,3851	73	0,9132	0,3044	0,0000
1990	070303	Heavy duty vehicles	Diesel	Urban driving	93,7475	1033,3614	130,5979	12,7965	305,6979	74	2,5792	0,2579	61,5694
1990	070303	Heavy duty vehicles	Gasoline	Urban driving	4,5697	456,6210	696,0934	14,2060	7102,9934	73	0,6088	0,2029	0,0000
1990	0704	Mopeds	Gasoline	Urban driving	4,5697	27,3973	8127,8539	91,3242	13698,6301	73	0,9132	0,9132	0,0000
1990	070501	Motorcycles	Gasoline	Highway driving	4,5697	215,2132	1274,2843	121,9798	17689,8880	73	1,2673	1,2673	0,0000
1990	070502	Motorcycles	Gasoline	Rural driving	4,5697	173,1667	1528,6187	146,0717	16834,3576	73	1,5176	1,5176	0,0000
1990	070503	Motorcycles	Gasoline	Urban driving	4,5697	93,2763	2018,5836	147,2626	15322,4329	73	1,5300	1,5300	0,0000
1990	0706		Gasoline				18548,5076						
1990	0801	Military	Aviation gasoline		4,5662	859,0000	1242,6000	21,9000	6972,0000	73	2,0000	1,6000	
1990	0801	Military	Diesel		93,6768	659,7683	94,1346	5,7640	302,4490	74	3,9230	0,3097	82,1420
1990	0801	Military	Gasoline		4,5662	861,7580	1151,0594	33,8543	6757,7382	73	2,3989	1,6466	
1990	0801	Military	Jet fuel	< 3000 ft	4,5977	250,5747	24,9379	2,6483	229,8851	72	2,2989		
1990	0801	Military	Jet fuel	> 3000 ft	4,5977	250,5747	24,9379	2,6483	229,8851	72	2,2989		
1990	0802	Railways	Diesel		93,6768	691,2617	43,2085	4,7586	103,4806	74	2,0394	0,2039	30,4004
1990	0802	Railways	Gasoline		4,5662	861,7580	1151,0594	33,8543	6757,7382	73	2,3989	1,6466	
1990	0802	Railways	Kerosene		5,0000	50,0000	3,0000	7,0000	20,0000	72	2,0000		
1990	0803	Inland waterways	Diesel		93,6768	1249,3334	270,1290	4,3500	595,2011	74	30,4503	0,1740	164,8292
1990	0803	Inland waterways	Gasoline		4,5662	64,3368	10809,5843	108,0958	18485,0754	73	0,5198	0,1040	

Transport-EMF-90-99

Year	snap_id	Category	Fuel type	Mode	SO ₂ [g/GJ]	NO _x [g/GJ]	NMVOC [g/GJ]	CH ₄ [g/GJ]	CO [g/GJ]	CO ₂ [kg/GJ]	N ₂ O [g/GJ]	NH ₃ [g/GJ]	PM [g/GJ]
1990	080402	National sea traffic	Diesel		468,3841	1334,8946	54,5199	1,6862	173,3021	74	4,6838		42,1546
1990	080402	National sea traffic	Kerosene		4,5977	50,0000	3,0000	7,0000	20,0000	72	2,0000		
1990	080402	National sea traffic	LPG			1249,0000	384,9000	20,3000	443,0000	65	2,0000		
1990	080402	National sea traffic	Residual oil		1466,9927	1393,6430	56,9193	1,7604	180,9291	78	4,8900		139,3643
1990	080403	Fishing	Diesel		93,6768	1334,8946	54,5199	1,6862	173,3021	74	4,6838		42,1546
1990	080403	Fishing	Gasoline		4,5662	64,3368	10809,5843	108,0958	18485,0754	73	0,5198	0,1040	
1990	080403	Fishing	Kerosene		4,5977	50,0000	3,0000	7,0000	20,0000	72	2,0000		
1990	080403	Fishing	LPG			1249,0000	384,9000	20,3000	443,0000	65	2,0000		
1990	080403	Fishing	Residual oil		1466,9927	1393,6430	56,9193	1,7604	180,9291	78	4,8900		139,3643
1990	080404	International sea traffic	Diesel		468,3841	2037,4707	54,5199	1,6862	173,3021	74	4,6838		42,1546
1990	080404	International sea traffic	Residual oil		1711,4914	2127,1394	56,9193	1,7604	180,9291	78	4,8900		200,4890
1990	0806	Agriculture	Diesel		93,6768	1273,1438	190,5863	4,4330	424,1334	74	31,0307	0,1773	128,8825
1990	0806	Agriculture	Gasoline		4,5662	244,3319	1022,0549	51,1027	24741,0950	73	1,8022	0,1201	
1990	0807	Forestry	Diesel		93,6768	1255,7870	238,2905	4,3725	526,6951	74	30,6076	0,1749	150,3420
1990	0807	Forestry	Gasoline		4,5662	48,6649	18095,4704	180,9547	33391,2586	73	0,4770	0,0954	
1990	0808	Industry	Diesel		93,6768	1285,5883	176,8931	4,4763	395,1435	74	31,3340	0,1791	123,2707
1990	0808	Industry	Gasoline		4,5662	216,6740	3096,7384	119,7594	44820,2999	73	1,6257	0,1116	
1990	0808	Industry	LPG			621,1180	838,5093	62,1118	931,6770	65			
1990	0809	Household and gardening	Gasoline		4,5662	213,7057	3726,0034	116,1682	42616,5950	73	1,6055	0,1118	
1999	070101	Passenger cars	Diesel	Highway driving	12,8819	266,8373	19,5472	3,1403	148,0280	74	6,2806	0,6281	55,7958
1999	070101	Passenger cars	Gasoline 2-stroke	Highway driving	4,5667	288,7722	2356,3008	10,0268	3489,3304	73	2,0054	0,8021	0,0000
1999	070101	Passenger cars	Gasoline catalyst	Highway driving	4,5667	147,2770	17,2624	7,7128	1054,7290	73	19,2820	38,5640	0,0000
1999	070101	Passenger cars	Gasoline conventional	Highway driving	4,5667	1370,5342	338,6825	11,5756	2653,4785	73	2,1867	0,8747	0,0000
1999	070101	Passenger cars	LPG	Highway driving	0,0000	1149,8213	187,0889	10,0644	3928,4844	65	0,0000	0,0000	0,0000
1999	070102	Passenger cars	Diesel	Rural driving	12,8819	221,5447	30,2484	3,4574	190,0700	74	6,9148	0,6915	41,9236
1999	070102	Passenger cars	Gasoline 2-stroke	Rural driving	4,5667	352,8435	2476,8230	13,8370	2594,4375	73	1,7296	0,6919	0,0000
1999	070102	Passenger cars	Gasoline catalyst	Rural driving	4,5667	125,7301	8,0775	9,8862	553,6148	73	24,7154	49,4308	0,0000
1999	070102	Passenger cars	Gasoline conventional	Rural driving	4,5667	1161,2802	456,0503	14,3423	3242,4357	73	2,4298	0,9719	0,0000
1999	070102	Passenger cars	LPG	Rural driving	0,0000	1246,4606	305,1805	16,9082	1155,2829	65	0,0000	0,0000	0,0000
1999	070103	Passenger cars	Diesel	Urban driving	12,8819	181,1354	62,0870	3,9130	262,6100	74	4,1170	0,4117	65,2463
1999	070103	Passenger cars	Gasoline 2-stroke	Urban driving	4,5667	61,4206	3111,9757	30,7103	4227,7826	73	1,0237	0,4095	0,0000
1999	070103	Passenger cars	Gasoline catalyst	Urban driving	4,5667	201,3878	220,8944	50,8225	2307,7373	73	15,1461	21,2045	0,0000
1999	070103	Passenger cars	Gasoline conventional	Urban driving	4,5667	655,6599	944,5371	56,9446	9193,0948	73	1,6551	0,6620	0,0000
1999	070103	Passenger cars	LPG	Urban driving	0,0000	611,9216	436,5668	34,8603	1359,5715	65	0,0000	0,0000	0,0000
1999	070201	Light duty vehicles	Diesel	Highway driving	12,8819	225,1644	31,6928	1,4954	241,4581	74	5,0843	0,2991	61,6694
1999	070201	Light duty vehicles	Gasoline	Highway driving	4,5667	440,9879	103,4179	9,4097	1849,7422	73	2,2583	0,7528	0,0000
1999	070202	Light duty vehicles	Diesel	Rural driving	12,8819	231,5204	44,2469	1,6367	260,2957	74	5,5649	0,3273	63,6626
1999	070202	Light duty vehicles	Gasoline	Rural driving	4,5667	420,4406	146,9784	15,1083	1494,8576	73	2,2662	0,7554	0,0000
1999	070203	Light duty vehicles	Diesel	Urban driving	12,8819	212,5704	108,8920	2,3585	344,3945	74	4,2184	0,2481	90,7091
1999	070203	Light duty vehicles	Gasoline	Urban driving	4,5667	264,2623	378,3559	64,2360	4485,7823	73	1,3762	0,4587	0,0000
1999	070301	Heavy duty vehicles	Diesel	Highway driving	12,8819	647,4866	63,4884	6,1890	140,0044	74	2,9100	0,2910	31,7007
1999	070301	Heavy duty vehicles	Gasoline	Highway driving	4,5667	1037,7750	474,6091	9,6859	7610,3501	73	0,8302	0,2767	0,0000

Transport-EMF-90-99

Year	snap_id	Category	Fuel type	Mode	SO ₂ [g/GJ]	NO _x [g/GJ]	NM VOC [g/GJ]	CH ₄ [g/GJ]	CO [g/GJ]	CO ₂ [kg/GJ]	N ₂ O [g/GJ]	NH ₃ [g/GJ]	PM [g/GJ]
1999	070302	Heavy duty vehicles	Diesel	Rural driving	12,8819	727,4816	81,0635	6,9845	173,4486	74	2,9900	0,2990	38,4948
1999	070302	Heavy duty vehicles	Gasoline	Rural driving	4,5667	1141,5525	820,3957	16,7428	8371,3851	73	0,9132	0,3044	0,0000
1999	070303	Heavy duty vehicles	Diesel	Urban driving	12,8819	790,0603	93,9640	12,6631	211,1389	74	2,4206	0,2421	43,9928
1999	070303	Heavy duty vehicles	Gasoline	Urban driving	4,5667	456,6210	696,0934	14,2060	7102,9934	73	0,6088	0,2029	0,0000
1999	0704	Mopeds	Gasoline	Urban driving	4,5667	27,3973	8127,8539	91,3242	13698,6301	73	0,9132	0,9132	0,0000
1999	070501	Motorcycles	Gasoline	Highway driving	4,5667	215,2131	1274,2861	121,9798	17689,8610	73	1,2673	1,2673	0,0000
1999	070502	Motorcycles	Gasoline	Rural driving	4,5667	173,1666	1528,6215	146,0716	16834,3357	73	1,5176	1,5176	0,0000
1999	070503	Motorcycles	Gasoline	Urban driving	4,5667	93,2762	2018,5857	147,2624	15322,4083	73	1,5300	1,5300	0,0000
1999	0706		Gasoline				6590,3393						
1999	0801	Military	Aviation gasoline		4,5700	859,0000	1242,6000	21,9000	6972,0000	73	2,0000	1,6000	
1999	0801	Military	Diesel		12,8800	503,2700	72,8900	5,7700	219,9000	74	3,8000	0,3000	52,4000
1999	0801	Military	Gasoline		4,5700	404,9700	471,5100	30,7900	2916,3900	73	13,5000	23,2300	
1999	0801	Military	Jet fuel	< 3000 ft	4,6000	250,5700	24,9400	2,6500	229,8900	72	2,3000	0,0000	
1999	0801	Military	Jet fuel	> 3000 ft	4,6000	250,5700	24,9400	2,6500	229,8900	72	2,3000	0,0000	
1999	0802	Railways	Diesel		12,8800	691,2600	43,2100	4,7600	103,4800	74	2,0400	0,2000	30,4000
1999	0802	Railways	Gasoline		4,5700	404,9700	471,5100	30,7900	2916,3900	73	13,5000	23,2300	0,0000
1999	0802	Railways	Kerosene		5,0000	50,0000	3,0000	7,0000	20,0000	72	2,0000	0,0000	0,0000
1999	0803	Inland waterways	Diesel		12,8800	1249,3000	270,1000	4,4000	595,2000	74	30,4500	0,1700	164,8000
1999	0803	Inland waterways	Gasoline		4,5700	64,3400	10809,6000	108,1000	18485,1000	73	0,5200	0,1000	0,0000
1999	080402	National sea traffic	Diesel		468,3800	1334,9000	54,5000	1,6900	173,3000	74	4,7000	0,0000	42,1500
1999	080402	National sea traffic	Kerosene		4,6000	50,0000	3,0000	7,0000	20,0000	72	2,0000	2,0000	0,0000
1999	080402	National sea traffic	LPG		0,0000	1249,0000	384,9000	20,3000	443,0000	65	2,0000	0,0000	0,0000
1999	080402	National sea traffic	Residual oil		952,6000	1393,6000	56,9000	1,7600	180,9000	78	4,9000		139,4000
1999	080403	Fishing	Diesel		93,7000	1334,9000	54,5000	1,6900	173,3000	74	4,7000	0,0000	42,1500
1999	080403	Fishing	Gasoline		4,6000	64,3400	10809,6000	108,1000	18485,1000	73	0,5200	0,1000	0,0000
1999	080403	Fishing	Kerosene		4,6000	50,0000	3,0000	7,0000	20,0000	72	2,0000		0,0000
1999	080403	Fishing	LPG		0,0000	1249,0000	384,9000	20,3000	443,0000	65	2,0000	0,0000	0,0000
1999	080403	Fishing	Residual oil		952,6000	1393,6000	56,9000	1,7600	180,9000	78	4,9000		139,4000
1999	080404	International sea traffic	Diesel		468,3800	2037,5000	54,5000	1,6900	173,3000	74	4,7000		42,1500
1999	080404	International sea traffic	Residual oil		1686,9000	2127,1000	56,9000	1,7600	180,9000	78	4,9000		200,5000
1999	0806	Agriculture	Diesel		12,8800	1268,1900	190,0700	4,4300	424,1300	74	31,0300	0,1800	128,3000
1999	0806	Agriculture	Gasoline		4,5700	244,3300	1022,0500	51,1000	24741,0900	73	1,8000	0,1200	0,0000
1999	0807	Forestry	Diesel		12,8800	1255,7900	238,2900	4,3700	526,7000	74	30,6100	0,1700	150,3400
1999	0807	Forestry	Gasoline		4,5700	48,6600	18095,4700	180,9500	33391,2600	73	0,4800	0,1000	0,0000
1999	0808	Industry	Diesel		12,8800	1250,5500	173,8400	4,4800	395,1400	74	31,3300	0,1800	119,4900
1999	0808	Industry	Gasoline		4,5700	216,6700	3096,7400	119,7600	44820,3000	73	1,6300	0,1100	0,0000
1999	0808	Industry	LPG		0,0000	621,1200	838,5100	62,1100	931,6800	65	3,1100	0,1900	0,0000
1999	0809	Household and gardening	Gasoline		4,5700	213,7100	3726,0000	116,1700	42616,5900	73	1,6100	0,1100	0,0000

Appendix 5

Methodology regarding removals by sinks

Removals by Sinks

Reference values used in calculations

The standing stock of wood in 1990 was obtained from the Danish National Forest Inventory of 1990 (NFI1) (Statistics Denmark, 1994). The inventory is carried out every 10 years and is based on questionnaires to forest owners. The forested area was 417.000 ha or approximately 10% of the land area. The forest area is defined as closed canopy high forest. This means that open woodland and open areas within the forest are not included. Broad-leaved tree species made up 34% and coniferous species made up 66% of the forest area. The standing stock of wood was 55.154.000 m³ equivalent to 13.200 m³ per km², distributed on 43% broad-leaved species and 57% coniferous species. This stock of wood was equivalent to 25.702 Gg C or 94.240 Gg CO₂ (Table 1). Forest soil organic matter was not directly included in reporting. Stemwood volumes are converted to total above- and belowground biomass by a general expansion factor (2), which is slightly higher than the default IPCC expansion factor (1.9). An expansion factor of 2 was reported by Schöne and Schulte (1999) to be relevant for tree species common to Denmark. The total biomass is converted to carbon stores by use of the conversion factors 0.19 t C m⁻³ for conifers and 0.29 t C m⁻³ for broad-leaves. The Danish conversion factors differ from IPCC default factors because of lower volume to dry weight ratios that are more appropriate for Danish tree species (Moltesen, 1988). The Danish expansion factor and the conversion factors result in slightly lower C stores than when using IPCC factors (6% lower for broad-leaves and 11% lower for conifers).

<i>CO₂ reservoirs and sinks in Gg</i>	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
CO₂ reservoir in forests in 1990	94.240									
Total CO₂ uptake	-916	-918	-921	-924	-928	-931	-941	-951	-964	-976
CO ₂ uptake due to net increment in forests existing before 1990	-916	-916	-916	-916	-916	-916	-916	-916	-916	-916
CO ₂ uptake due to afforestation since 1990	0	-2	-5	-8	-12	-15	-25	-35	-48	-60

CO₂ reservoir and uptake in forests in Gg, 1990 – 99.

Annual CO₂-sequestration in existing forests.

Net C sequestration in the period 1990–1998 was the result of a net increase in standing stock of the existing forests and afforestation of former arable land. Net C sequestration in existing forests is partly a result of an uneven age class distribution with relatively more young stands. The estimated wood increment for the period 1990–1999 was also available from the questionnaire-based NFI1 of 1990. Export of wood from the forest due to thinning operations and clear-cutting was available from the annual agricultural statistics and supplemented by an estimate of non-commercial harvesting. The annual net increment for 1990–1999 (wood increments minus commercially and non-commercially harvested wood) was around 600,000-m³ y⁻¹. Wood volumes are converted to carbon stores by the same method as mentioned for carbon stocks in 1990. The resulting net sink for CO₂ in forests existing in 1990 was 916 Gg CO₂ y⁻¹ for the period 1990–1999. The basis for these calculations is not satisfactory. The second forest inventory based on questionnaires will be ready in 2001 and will improve estimates of net carbon storage. However, a sample-based forest inventory is currently planned for NFI 3 to replace the questionnaire approach used for all NFI's until now. This type of forest inventory will be more similar to inventories used in other countries.

Annual CO₂ sequestration by afforestation of former arable land

In 1989 the Danish Government decided to encourage a doubling of the forested area within a tree generation of approximately 80–100 years (National Forest and Nature Agency 2000). In order to reach this target, an afforestation rate of roughly 4–5.000 ha y⁻¹ is needed. Afforestation is carried out on soils formerly used for agriculture (cropland). Except for 1997 and 1999, the afforestation rate has been lower than needed (around 2.000 ha y⁻¹). The sum of governmental and estimated private afforestation (National Forest and Nature Agency 2000) was used in calculations. Full carbon accounting is used in a manner by which C-stock changes are based on area multiplied by

uptake. Uptake is calculated using a simple carbon storage model based on the Danish yield tables for Norway spruce (representing conifers) and oak (representing broad-leaves) (Møller 1933). The amounts of carbon sequestered in successive generations of afforestation areas are summed up in the model to give the total carbon storage in a specific year. Wood volumes are converted to carbon stores by the same method as mentioned for carbon stocks in 1990. Decomposition rates for the various slash components are included in the model. Carbon storage in wood products may be included in the accounting by use of a module with turnover rates for the various wood products. This option was not included in the calculations of the figures presented here. For more information see Danish Energy Agency (2000). The following carbon pools were included for afforestation stands: whole tree biomass (including roots), and slash. Based on studies of soils in a chronosequence of afforested stands, no significant changes in soil organic matter was expected to take place during the first 30 years following afforestation. The yield tables used for calculation of carbon stores are valid for yield class 2 (on a scale decreasing from 1 to 4). An afforestation ratio between conifers and broad-leaves of 1:3 was assumed. There is made no distinction between forest growth rates on different soil types.

From 1990 through 1999, the average afforestation rate was 21.05 km² per year. As shown in the table, annual sequestration of CO₂ in forests established since 1990 has gradually increased to 60 Gg CO₂ in 1999.

The assumption for the future is that the Government's strategy of doubling the forest area within the next 80 – 100 years will be implemented. The afforestation rate will gradually reach 40 km² per year as the interest in private afforestation increases as a result of subsidization. The peak afforestation rate will be around the year 2030. Assuming that the forest area doubles within the next 80 – 100 years, the following pattern in CO₂ sequestration can be expected. Over the next 30 years CO₂ sequestration will be small. 70 – 120 years after the forest is planted, CO₂ sequestration will peak at approximately 3.000 Gg CO₂ per year or approximately 5% of present annual anthropogenic emissions in Denmark. During the Kyoto commitment period 2008–2012 (5 years), it has been calculated that the Danish afforestation activities will result in sequestration of 474 Gg C equivalent to 1.738 Gg CO₂. This amount of C results from the afforestation of 52.700 ha of former arable land over the period 1990–2012.

References

- Danish Energy Agency (2000). *Projections of Emissions of Greenhouse Gases, Ozone Precursors and Sulphur Dioxide from Danish Sources until 2012*. Ministry of Environment and Energy, Danish Energy Agency. <http://www.ens.dk/uk/publica.htm>
- Moltesen, P. (1988). *Skovtræernes ved. [The wood of forest trees]*. Skovteknisk Institut, Akademiet for Tekniske Videnskaber. ISBN 87-87798-52-2.
- Møller, C.M. (1933). Bonitetsvise tilvækstoversigter for Bøg, Eg og Rødgran i Danmark. [Yield tables for different site classes of beech, oak and Norway spruce in Denmark]. *Dansk Skovforenings Tidsskrift* 18.
- National Forest and Nature Agency (2000). *Evaluering af den gennemførte skovrejsning 1989–1998. Miljø- og Energiministeriet, Skov- og Naturstyrelsen, 2000. [Evaluation of afforestation areas 1989-1998. Ministry of Environment and Energy, National Forest and Nature Agency, 2000.]* ISBN: 87-7279-241-8.
- Schöne, D. and Schulte, A. (1999). Forstwirtschaft nach Kyoto: Ansätze zur Quantifizierung und betrieblichen Nutzung von Kohlenstoffsinken. *Forstarchiv* 70: 167-176.
- Statistics Denmark (1994). *Forests 1990*. ISBN 87-501-0887-5.