

NERI Seminar Series, Roskilde

Autumn 2002

1 October

Climate reconstruction during the MWP in the Baltic Sea from biogeochemical proxies in a sediment record

Joachim Dippner
Baltic Sea Research Institute Warnemuende (IOW), Germany

Host: Christoph Heinze, Department of Marine Ecology

15 October

Use of ecotoxicological and chemical measurements to assess qualities of complex sediment systems

Wolfgang Ahlf
Department of Environmental Science and Technology,
Technical University Hamburg-Harburg, Germany

Host: Philipp Mayer, Department of Environmental Chemistry and Microbiology

22 October

Spectroscopic investigations of CDOM in the Gulf of Mexico

Paula G. Coble
College of Marine Science, University of South Florida, USA

Host: Stiig Markager, Department of Marine Ecology

5 November

Representing marine biogenic particle fluxes in biogeochemical models

Iris Kriest
Max Planck Institute of Meteorology, Hamburg, Germany

Host: Christoph Heinze, Department of Marine Ecology

6 November (note time 10:00-12:00)

Fennel Pondweed as migratory fuel for Bewick's Swans

Marcel Klassen
Research Department, Netherlands Institute of Ecology (NIOO), The Netherlands

Host: Jesper Madsen, Department of Arctic Environment

19 November

Atmosfærisk transport af persistent organisk forurening

Kaj Mantzius Hansen
Department of Atmospheric Environment, NERI

Host: Jørgen Brandt, Department of Atmospheric Environment

10 December

Use of isotope-based methods for studying microbial degradation of environmental pollutants

Peter Roslev
University of Aalborg

Host: Katrin Vorkamp, Department of Environmental Chemistry and Microbiology

17 December

Geografisk fordeling af emissioner

Jytte Boll Illerup
Henning Sten Hansen

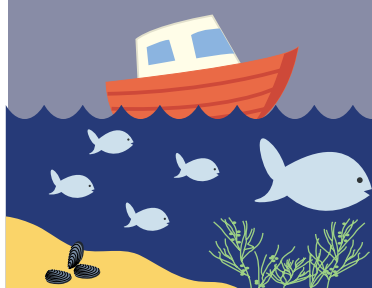
Department of Policy Analysis, NERI

Host: Lene Olsen, Department of Policy Analysis

Further information can be obtained by contacting Alf Josefsen at tel. +45 4630 1200 or the Host of the scheduled seminar. Changes to the seminar schedule will be announced at <http://www.dmu.dk/>

All seminars begin at 14:00 and take place in the "Pavillon" at NERI, Roskilde.

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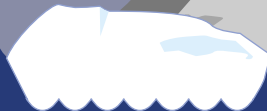
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Baltic Sea Research Institute Warnemuende (IOW),
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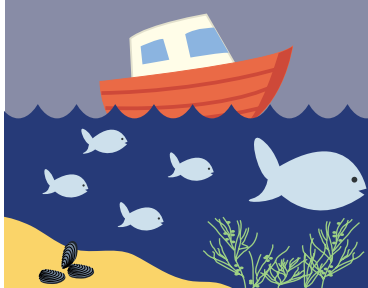
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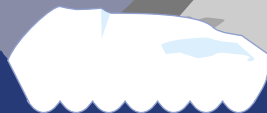
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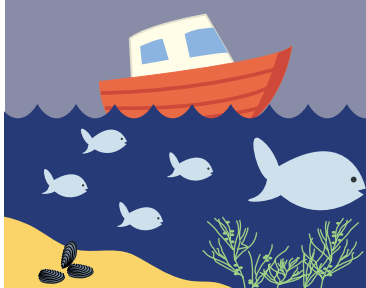
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Atmosfærisk transport af persistent organisk forurening

Kaj Mantzius Hansen

Department of Atmospheric Environment, NERI

Host: Jørgen Brandt,

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Kaj Mantzius Hansen
ATMI

Persistent organisk forurening (Engelsk: Persistent Organic Pollutants - POP) er skadelige stoffer som akkumuleres op gennem fødekæden og som er svært nedbrydelige i miljøet.

Eksempler på POPer er pesticider som DDT og Lindan og industrielle produkter som PCB.

POPer fordamper let til atmosfæren i varme egne på mellembreddegrader og har potentiale til at blive transporteret langt fra deres kildeområder.

I kølige egne kondenserer POPerne, og de har svært ved at fordampe og forlade regionen igen. På den måde sker der en ophobning af POPer i de kolde arktiske egne hvor de kan gøre stor skade på det sårbare miljø.

Atmosfæren er den primære transportvej for POPer til Arktis.

En forståelse af de atmosfæriske processer (emission, transport, diffusion, kemisk omdannelse og deposition) er derfor vigtig for at kunne beskrive POPernes skæbne. Dette kan gøres ved at inkludere POPer i en atmosfærisk transportmodel for den nordlige halvkugle, som er under udvikling i ATMI. De underliggende processer i modellen vil blive skitseret, og de foreløbige modelresultater blive præsenteret.

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