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The classification system for the German

"*Ecological Area Sampling*"

Overview

- Introduction
- Objectives
- Conception and survey design
- Classification systems
- State of development

Objectives

data on the state of landscape and biotope quality and on trends in species diversity

indicators and area balances

state of the “normal landscape“

regular information for decision makers

efficiency control for the national environmental policy

Indicators of landscape quality

Item	Indicator
intensity of use	naturalness
	fragmentation
structural diversity	biotope diversity
	biotope size of arable land
	length of linear features
	count of small biotopes
	spatial distribution of structural elements and endangered biotopes
rareness/endangerment	occurence of endangered biotopes

Criteria for the selection of biotope types

→**range of types and intensity of land use**

→**range of nutrition supply**

→**input/output of nutrients**

→**range of natural - semi-natural – well improved landscape features**

→**importance for animals and plants**

→**representativity for Germany**

Biotope types for species monitoring (step 2)

- → **arable land**
- → **arable fallow land**
- → **vineyards**
- → **fallow vineyards**
- → **dry grassland**
- → **intermediate grassland, rich in species**
- → **wet grassland**
- → **improved grassland**
- → **alpine grassland**
- → **herbal edges of streams and lakes**
- → **forest edges**
- → **herbal edges in open landscapes**

Main Biotope Types

- marine and coastal biotopes
- freshwater biotopes
- vegetation free biotopes
- arable land, vineyards, fruit plantations
- grassland
- mires, bogs, fens
- field shrubs
- forests
- urban and technical biotopes

(1) Marine and Coastal Biotopes

10100 open sea

10110 open sea (North Sea)

10120 open sea (Baltic Sea)

12000 Waddensea

12100 vegetation free area

12200 area with vegetation