

ReSurveyEurope

Project Metadata Form

When contributing data to ReSurveyEurope, please fill in this form for each resurvey project and send it to Ilona Knollová (ikuzel@sci.muni.cz) together with the database. A resurvey project is understood as repeated sampling of a certain type of vegetation in a certain study area using specific methods.

- PROJECT NAME (identical with the Resurvey Project name given in the database):

NATURDATA.DK abundance data

- FULL PROJECT NAME (use if the full project name is longer than used in the database):

NATURDATA.DK

- REFERENCE (publication or URL or DOI of the dataset if published online):

Naturdata.dk

- DATA OWNER: person(s), institution(s):

The Danish Ministry of Environment

- CONTACT E-MAIL:

Jesper Erenskjold Moeslund (jesper.moeslund@ecos.au.dk)

- METHODS (description of sampling design and methods):

Purpose of the study

The purpose of this dataset is to store data from the monitoring of Danish habitats in the EU Habitats Directive Annex I. These data are used to assess how these habitats evolve over time and are used in several Danish and European studies of vegetation.

Type of vegetation

All Danish habitats in the EU Habitats Directive Annex I, where plots have been revisited.

Research area

National coverage, covers all Denmark

Vegetation ecology, monitoring, community assembly, plant diversity

Type of plots – resampling (quasi-permanent plots), permanent, permanent manipulated

The plots are permanent in the sense that data comes from the same geographical coordinates for each year. They are not physically marked permanently in the field, so a little GPS uncertainty (up to 10 m) can be expected.

Location in field for permanent plots – marked in the field Y/N? No

Cover scale: The abundance data are retrieved by a pinpoint method. The 0.5 x 0.5 center of the 5 m-circular plot is divided into 4 x 4 and a pin is inserted in each corner of these cells (i.e., where the lines delimiting each cell meets) successively. Each time the pin is inserted all species touching the pin is recorded. This means that the abundance can be from 0 to 16 for all species. It also means that the abundance does not cover the whole 5-m plot, only the 0.5 x 0.5 m central square (Recalculation to percentage cover = $(\text{abundance}/16) * 100\%$).

- ENVIRONMENTAL DATA (list of environmental data measured):

Habitat type and for some plots water and soil chemistry, amount of dead wood, mean vegetation height, mean vegetation cover, plant species abundance, and other measures related to the condition of the habitat inventoried.

- MANIPULATED PLOTS (description of the treatment if the plots were manipulated, e.g. mowing twice a year, fertilizing by NPK once a year, post-fire succession)

No

Aarhus, 26 October 2023

Jesper Erenskjold Moeslund