Metadata

Macrophytes in Danish lakes (Aarhus University)

General information

name of the database:

full name of the database: *Macrophytes in Danish lakes (Aarhus University)*

type of database (more information): *species (taxonomic group) per site database including environmental information*

data type: *point data/observation data*

short description of the database/summary:

The database includes raw data on macrophytes in Danish lakes. Aim is to describe the macrophyte communities and to calculate the BQE for the lakes.

science keywords according to GCMD:

topic: *Biosphere, Biological Classification, Terrestrial Hydrosphere*

keywords: *Macrophytes, lakes*

ISO topic category according to ISO 19115:

Biota, Environment, Inland Waters

Technical and administrative specifications

data format:	*Oracle*
others/details:	*Oracle-RDB*
operating system:	*others/specify*
others/details:	*VMS system*
current availability:	*internal*
currently available through GBIF:	*no*
exchange planned:	*no*
update level:	*completed*
documentation:	
Do you plan to publish the data on the BioFresh data portal:	
contact details:	

metadata contact person:	
first, last name:	*Torben Lauridsen*
email:	*tll@dmu.dk*
institution:	*Aarhus University, Department of Bioscience - Freshwater Ecology*
address:	*VejlsÃ¸vej 25, room M2.09*
postal code, city:	*8600 Silkeborg*
country	*Denmark*
web address:	*http://www.au.dk/en/*

technical contact person:	
first, last name:	*Torben Lauridsen*
email:	*tll@dmu.dk*

scientific contact person:	
first, last name:	*Torben Lauridsen*
email:	*tll@dmu.dk*
comments:	*[Metadata were harvested from the WISER metadatabase (http://www.wiser.eu/results/meta-database/details.php?id1=40&id2=35) by the BioFresh team.]*

Intellectual property rights and citation

(if the database is already published):

database creator (data compiler):

data contributors to/owners of this database:

single

criteria for using the data in a publication/scientific analysis:

Other/Additional criteria

Other/Additional criteria: *Data provider must give consent to any publication.*

citation of this database:

title: *http://www.wiser.eu - Water Bodies in Europe: Integrative Systems to assess Ecological status and Recovery (Version **).*

year: *year of access*

version (if applicable): *version number from website*

citation of the metadata:

General data specifications

regional coverage of the database:

scale of the database:	*national*
continents:	*Europe*

spatial extend (bounding coordinates):

southernmost latitude [°]:	*57.784278*
northernmost latitude [°]:	*54.554128*
westernmost longitude [°]:	*7.787354*
easternmost longitude [°]:	*12.827393*
minimum altitude:	*-7 meters*
maximum altitude:	*171 meters*
countries:	*Europe: Denmark*

Site specifications

coordinate system/grid data:

datum (e.g. WGS84): *WGS84*

other site classification parameters:

Geology is based on alcalinity. The threshold between calcarous and siliceous is 0.2 meq.

site coding:

site coding available: *yes*

numerical

number of digits: *5*

example: *45003*

number of sites: *100 - 1000*

exact number of sites: *276*

comments: *Most Danish lakes are less than 0.5 km2, consequently the size typology based numbers are less than the total of 276 lakes.*

Climate and environmental data

climate related data:

environmental data:

physico-chemistry data: *total P, ortho P, total dissolved P, nitrate, nitrite, total N, ammonium, hardness, alkalinity, water temperature, pH, conductivity, chlorophyll, colour*

stressors influencing the sites:

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication	**yes**	**yes**		

Biological data

biological data origin:

organism group addressed: *macroalgae, macrophytes, angiosperms*

Sample specifications/sample resolution

macroalgae:

sample information:

taxonomic resolution: *genus, species*
percentage of species level data: *50*
taxonomic coding:
coding system: *A 13 digit species specific code and a rubin code*
sample specifications: *quantitative (abundance data), qualitative*
specification of method(s) used for sampling and sorting:
Standardised sampling along transects covering the entire lake area in combination with a species focussed sampling. I shallow systems observations are made using a water glass and plant rakes. In deep lakes divers are used.

macrophytes:

sample information:

taxonomic resolution: *genus, species*
percentage of species level data: *50*
taxonomic coding:
coding system: *A 13 digit species specific code and a rubin code*
sample specifications: *quantitative (abundance data), qualitative*
specification of method(s) used for sampling and sorting:
Standardised sampling along transects covering the entire lake area in combination with a species focussed sampling. I shallow systems observations are made using a water glass and plant rakes. In deep lakes divers are used.

angiosperms:

sample information:

taxonomic resolution:
taxonomic coding:
coding system: *A 13 digit species specific code and a rubin code*
sample specifications: *quantitative (abundance data), qualitative*
specification of method(s) used for sampling and sorting:
Standardised sampling along transects covering the entire lake area in combination with a species focussed sampling. I shallow systems observations are made using a water glass and plant rakes. In deep lakes divers are used.

Other specifications

availability of photos: *no*
availability of maps: *no*
quality control procedures: