



Metadata

Swedish Lakes - Macrophytes

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Exported from the Freshwater Biodiversity Data Portal, <http://data.freshwaterbiodiversity.eu>
Visit the Freshwater Metadatabase, http://data.freshwaterbiodiversity.eu/metadb/about_metadata

General information

name of the dataset:

full name of the dataset: *Swedish Lakes - Macrophytes*

type of dataset ([more information](#)): *others*

short description of the dataset/summary:

each lake is a row, lake properties as variables: presence-absence data for each macrophyte species, water chemistry data, land use within lake catchment, lake properties (altitude, depth, area etc), ecological status, EQRs, lake coordinates

science keywords according to [GCMD](#):

topic: *Terrestrial Hydrosphere*

keywords: *Ecological status, EQRs, lakes, macrophytes*

ISO topic category according to [ISO 19115](#):

Biota, Environment, Inland Waters

Technical and administrative specifications

data format: *others/specify*
others/details: *STATISTICA, can bwe converted to other formats, eg. Excel*
operating system: *Win XP*
current access level: *internal*
currently available through [GBIF](#): *no*
exchange planned: *no*
update level: *continously updated*

documentation:

Do you plan to publish the data on the Freshwater Biodiversity data portal:

contact details:

metadata contact person:

first, last name: *Frauke Ecke*
email: *Frauke.Ecke@vatten.slu.se*
institution: *SLU - Institutionen för vatten och miljövård*
address: *Box 7050, Lennart Hjelmss väg 9*
postal code, city: *750 07 UPPSALA*
country: *Sweden*
web address: *http://www.slu.se/vatten-miljo*

technical contact person:

first, last name: *Frauke Ecke*
email: *Frauke.Ecke@vatten.slu.se*

scientific contact person:

first, last name: *Frauke Ecke*
email: *Frauke.Ecke@vatten.slu.se*

comments:

[Metadata were harvested from the WISER metadatabase (http://www.wiser.eu/results/meta-database/details.php?id1=78&id2=88) by the BioFresh team.]

Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

data contributors to/owners of this dataset:

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. Data provider must be offered co-authorship for publications using this dataset. Data must be publicly acknowledged and cited correctly.

citation of this dataset:

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 dataset:

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

spatial extend (bounding coordinates):

southernmost latitude [°]: *69.208102*
northernmost latitude [°]: *55.305292*
westernmost longitude [°]: *10.566895*
easternmost longitude [°]: *24.053266*
minimum altitude: *-2 metres*
maximum altitude: *2104 metres*
countries: *Europe: Sweden*

Site specifications

coordinate system/grid data:

datum (e.g. WGS84): *RT90 2.5 gonW*

site coding available: *yes*

numerical

example: *405*

number of sites: *100 - 1000*

exact number of sites: *506*

comments: *I need to refine geology. This is possible but I do not have the time to do it right now*

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, euphotic depth*

other physico-chemical parameters: *TOC, Na, K, Mg, Fe, Mn, Cl, SO4*

stressors influencing the sites:

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication	no	no		Tot-P
hydromorphological degradation	no	yes		Waterlevel lowering
acidification	no			
organic pollution	no			
toxic stress	no			
general degradation	no			

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: 99

taxonomic coding:

coding system: *Swedish 9-digit code, legend available*

sample specifications: *qualitative, presence/absence*

macrophytes:

sample information:

taxonomic resolution: *genus, species*

percentage of species level data: 99

taxonomic coding:

coding system: *Swedish 9-digit code, legend available*

sample specifications: *qualitative, presence/absence*

angiosperms:

sample information:

taxonomic resolution: *genus, species*

percentage of species level data: 99

taxonomic coding:

coding system: *Swedish 9-digit code, legend available*

sample specifications: *qualitative, presence/absence*

Other specifications

GIS layers, shapes related to the dataset:

others (specify):	<i>Shape-files for most lakes, incl. drainage area and land use</i>
availability of photos:	yes
availability of maps:	yes
quality control procedures:	
comments:	<i>photos available for some lakes, maps in digital format (see GIS-layers)</i>