



Metadata

Swedish National database trend stations lakes

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General information

name of the database:

full name of the database: *Swedish National database trend stations lakes*

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

short description of the database/summary:

Swedish Environmental Protection Agency national monitoring database for lakes.

science keywords according to [GCMD](#):

topic: *Terrestrial Hydrosphere*

keywords: *Monitoring, lakes, macroinvertebrates*

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

Biota, Inland Waters

Technical and administrative specifications

data format: *Excel*
others/details: *Excel or txt, data needs to be exported from the 4D database*
currently available through [GBIF](#): *no*
exchange planned: *no*
update level: *continuously updated*

documentation:
others/details: *None as far as I know*

Do you plan to publish the data on the BioFresh data portal:

contact details:

metadata contact person:

first, last name: *Leonard Sandin*
email: *leonard.sandin@ma.slu.se*
institution: *SLU - Institutionen för vatten och miljö*
address: *Box 7050, Lennart Hjelms väg 9*
postal code, city: *750 07 UPPSALA*
country: *Sweden*
web address: *http://www.slu.se/vatten-miljo*

technical contact person:

first, last name: *Leonard Sandin*
email: *leonard.sandin@ma.slu.se*

scientific contact person:

first, last name: *Leonard Sandin*
email: *leonard.sandin@ma.slu.se*

comments: *[Metadata were harvested from the WISER metadatabase (http://www.wiser.eu/results/meta-database/details.php?id1=89&id2=63) by the BioFresh team.]*

Intellectual property rights and citation

(if the database is already published):

database creator (data compiler):

contact name: *Swedish EPA*

data contributors to/owners of this database:

single

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

Other/Additional criteria

Other/Additional criteria:

This also applies to the publication using the data during the project, the data provider wants to give consent to using the data, mainly to know in what circumstance the data is used and being able to explain the special details about the database, coauthorship is of course not necessary.

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:

comments:

Swedish EPA, SLU is datahost for the data base and has to make it available for anyone who wants it.

General data specifications

regional coverage of the database:

scale of the database: *national*

continents: *Europe*

spatial extend (bounding coordinates):

southernmost latitude [°]: *54.956589*

northernmost latitude [°]: *69.365546*

westernmost longitude [°]: *10.632813*

easternmost longitude [°]: *24.330078*

minimum altitude: *-2 meters*

maximum altitude: *2104 meters*

countries: *Europe: Sweden*

comments: *more data available if needed*

Site specifications

coordinate system/grid data:

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

example: *No coiding available*

number of sites: *100 - 1000*

exact number of sites: *111*

comments: *Within 1-2 months data for a typology is available*

Climate and environmental data

climate related data:

environmental data:

physico-chemistry data: *total P, total N, ammonium, alkalinity, water temperature, pH, conductivity, chlorophyll, colour*

other physico-chemical parameters:*TOC, sometimes Al*

Biological data

biological data origin:

specify method:	<i>general compilation</i>
organism group addressed:	<i>Swedish EPA datahosted by SLU</i>
	<i>macro invertebrates</i>

Sample specifications/sample resolution

macro invertebrates:

sample information:

covered timeframe:

year from - to: 2007 - 2007

season: autumn

comments: 2007 but more data available if needed

taxonomic resolution:

comments: Specific list with 500 taxa to mixed tax level

taxonomic coding:

coding system: ID AQEM, DV

sample specifications: semi-quantitative

replicate samples: yes

number of samples: 5

specification of method(s) used for sampling and sorting:

For each site by kick sampling in the littoral and Ekman grab samples from the profundal available.

specific sample location (e.g. littoral, profundal, transect, shoreline, hyporheic zone, etc.):

littoral, profundal (lakes)

Other specifications

GIS layers, shapes related to the database:

others (specify):	<i>Will be available in 1-2 months time</i>
availability of photos:	<i>yes</i>
availability of maps:	<i>no</i>
quality control procedures:	