



Metadata

Central Baltic GIG Lakes Macrophytes data (WFD Intercalibration)

SUPPORTED BY



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General information

name of the dataset:

full name of the dataset: *Central Baltic GIG Lakes Macrophytes data (WFD Intercalibration)*

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

data type: *point data/observation data*

short description of the dataset/summary:

Collated for the purposes of intercalibrating the outputs of the Central Baltic GIG WFD lakes macrophyte classification tools. Includes data from a large number of lakes across the GIG region, provided by the participating countries. Macrophyte data is provided along with typological information and raw physic-chem data. Note that not all the data from this dataset will be made available to BioFresh science work packages or the data portal.

science keywords according to [GCMD](#):

topic: *Biological Classification*

keywords: *lake macrophyte, lake typology, Water Framework Directive, Intercalibration dataset, GIG*

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

Biota, Inland Waters

Technical and administrative specifications

data format: *Excel*
data language: *English*
current access level: *restricted access*
update level: *completed*

documentation:
language: *English*

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

media for data delivery: *e-mail*
web address: *no web address*

contact details:

metadata contact person:
first, last name: *Sian Davies*
email: *siandavies2010@yahoo.co.uk*

technical contact person:
first, last name: *Rob Portielje*
email: *rob.portielje@rws.nl*

scientific contact person:
first, last name: *Rob Portielje*
email: *rob.portielje@rws.nl*

comments: *Contact details are provided for the person responsible for completion of the metadata and the GIG lead. The dataset contains data from a number of organisations/institutions, therefore it is not appropriate to provide the name and address of any one institution in the fields above.*

Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

contact name: *CBGIG lake macrophyte group*
contact email: *rob.portielje@rws.nl*

data contributors to/owners of this dataset:

multiple
number: *10*

provider 1:

provider institute: *National Environment Research Institute (Denmark)*
contact name: *Erik Jeppesen, Torben Lauridsen, Martin Sondergaard*
contact email: *ej@dmu.dk, tll@dmu.dk, ms@dmu.dk*
criteria for using the data in a publication/scientific analysis: *Other/Additional criteria*
comments: *Danish dataset contains 112 surveys from 102 lakes.*

provider 2:

provider institute: *National Institute for Water Management and Waste Water Treatment (RIZA). Nethe*
contact name: *Rob Portielje*
contact email: *rob.portielje@wrs.nl*
criteria for using the data in a publication/scientific analysis: *Other/Additional criteria*
other/additional criteria: *These data availability criteria are assumed from correspondence with the data owner. However, the data owner has not confirmed that they are correct as presented in this metadata base. Consequently, the data owner must be contacted directly, prior to use of data, to confirm availability criteria.*
comments: *Dutch dataset contains 50 surveys from 50 lakes.*

provider 3:

provider institute: *Germany*
contact name: *Jochen Schaumburg*
contact email: *jochen.schaumburg@lfu.bayern.de*
criteria for using the data in a publication/scientific analysis: *Other/Additional criteria*
other/additional criteria: *These data are owned by multiple German institutions and are currently unavailable.*
comments: *German dataset contains 50 surveys from 33 lakes.*

provider 4:

provider institute: *Estonian University of Life Sciences*
contact name: *Ingmar Ott*
contact email: *ingmar.ott@emu.ee*
criteria for using the data in a publication/scientific analysis: *Other/Additional criteria*
comments: *Estonian dataset contains 37 surveys from 37 lakes.*

provider 5:

provider institute: *Latvian Environment, Geology and Meteorology Centre*
contact name: *Marina Ā?iĀ?endajeva*
contact email: *marina.cicendajeva@lvgmc.lv*
criteria for using the data in a publication/scientific analysis: *Other/Additional criteria*

other/additional criteria: *Part of the data is a property of Laura Grinberga (laura.grinberga@gmail.com). Please get in touch with both contact persons for correct citing.*

comments: *The Latvian dataset contains 139 surveys from 139 lakes*

provider 6:

provider institute: *Lithuanian Environmental Protection Agency*

contact name: *Jelena Titova, Mindaugas Gudas*

contact email: *j.titova@aaa.am.lt, m.gudas@aaa.am.lt*

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

Other/Additional criteria

other/additional criteria: *These data availability criteria are assumed from correspondence with the data owner. However, the data owner has not confirmed that they are correct as presented in this metadata base. Consequently, the data owner must be contacted directly, prior to use of data, to confirm availability criteria.*

comments: *The Lithuanian dataset contains 21 surveys from 3 lakes*

provider 7:

provider institute: *Institute of Environmental Protection, Poland*

contact name: *Mateusz Zakrzewski, Hanna Soszka*

contact email: *m.zakrzewski@gios.gov.pl, hasoszka@ios.edu.pl*

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

Other/Additional criteria

other/additional criteria: *These data are owned by various Polish Institutions and were collated and provided solely for the purpose of Intercalibration. They are not officially available for other purposes. However, it is possible that some or all of the data may be made available in the future upon specific request.*

comments: *The Polish dataset contains 103 surveys from 99 lakes*

provider 8:

provider institute: *ONEMA (France)*

contact name: *Vincent Bertrin (CEMAGREF)*

contact email: *vincent.bertrin@bordeaux.cemagref.fr*

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

Other/Additional criteria

other/additional criteria: *These data are currently unavailable. They are thought to be owned by ONEMA but have been compiled for Intercalibration purposes by CEMAGREF.*

comments: *The French dataset contains 3 surveys from 3 lakes*

provider 9:

provider institute: *Research Institute for Nature and Forest (INBO) - Belgium*

contact name: *Luc Denys*

contact email: *luc.denys@inbo.be*

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

The dataset needs to be requested from dataset creator with specific conditions of use.

other/additional criteria: *These data availability criteria are assumed from correspondence with the data owner. The data owner must be contacted directly prior to use of data.*

comments: *The Belgian dataset contains 6 surveys from 6 lakes.*

provider 10:

provider institute: *Environment Agency*

contact name: *Geoff Phillips*
contact email: *geoff.phillips@environment-agency.gov.uk*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria
comments: *The UK dataset contains 73 surveys from 57 lakes.*

citation of this dataset:

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset: *continental*

continents: *Europe*

spatial extend (bounding coordinates):

minimum altitude: *0 metres*

maximum altitude: *244 metres*

countries: *Europe: Belgium, Denmark, Estonia, France, Germany, Latvia, Lithuania, Netherlands, Poland, United Kingdom*

Site specifications

coordinate system/grid data: *latitude/longitude, format: DD*
grid data available: *no*
comments: *Note that the coordinate system is not the same across all data and it is not available for all sites.*

other site classification parameters:

site coding available: *Alkalinity type, humic type*
yes
alphanumerical
example: *DK011*
number of sites: *100 - 1000*
exact number of sites: *566*

Climate and environmental data

climate related data: *no data available*

environmental data: *no parameter data per catchment available*

available parameters per site: *altitude*

available parameters per site: *maximum depth*

available parameters per site: *mean depth*

comments: *Information also included on stratification and lake surface area and whether or not Heavily Modified Water Body or Artificial Waterbody according to WFD criteria.*

physico-chemistry data: *total P, ortho P, nitrate, nitrite, total N, ammonium, calcium, alkalinity, TOC (total organic carbon), oxygen content, BOD5 (biochemical oxygen demand), water temperature, conductivity, chlorophyll, colour, Secchi disc depth*

other physico-chemical parameters: *Data also includes DOC and silicate for some sites.*
No physico-chemical data provided for the Danish lakes

availability of physico-chemical data, if there is more than one sample per site: *per sample*

comments: *Amount of data per lake is highly variable, both in terms of the numbers of sampling occasions and the range of determinands.*

stressors influencing the sites:

reference sites available: *yes*

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication	yes	no	no	
hydromorphological degradation	no	no	no	
acidification	no	no	no	
organic pollution	no	no	no	
toxic stress	no	no	no	
hydrologic stress (e.g. impoundment, flow velocity reduction, hydropeaking, water abstraction, flow velocity increase)				Water level fluctuation for some lakes
other stressors	no	no	no	

comments: *Information provided on perceived primary and secondary stressors. Data qualitative only.*

Biological data

biological data origin: *from sampling*
specify project: *General sampling programmes plus some specifically collected data*

organism group addressed: *macrophytes*

Sample specifications/sample resolution

macrophytes:

sample information:

covered timeframe:

year from - to: 1991 - 2008

historical data: no

palaeo data: no

season: summer

temporal resolution/frequency of sampling:

per year

time series data: no

comments: *Date range describes the first and last years of survey in the dataset, it does not imply that for any one lake surveys cover this time period.*

taxonomic resolution:

species

percentage of species level data: 100

comments: *Majority of data recorded at species level, some groups sometimes recorded at higher taxonomic level. Not easy to quantify in this dataset.*

taxonomic coding:

taxalist according to: *REBECCA project*

coding system: *as per REBECCA project*

example: *CAL1COP1*

sample specifications: *quantitative (abundance data)*

replicate samples: no

number of samples: 598

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

Not documented

sample type (e.g. habitat specific samples, composite samples etc.):

Not documented

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

Not documented

other important sample related informations:

Method of recording taxon abundance varies between countries but is not documented in the dataset.

Other specifications

availability of photos: *no*

availability of maps: *no*

quality control procedures:

quality control protocols and comments:

Harmonisation of taxonomy