



Metadata

Northern GIG Lakes Phytoplankton data (WFD Intercalibration)

SUPPORTED BY



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Visit the Freshwater Metadatabase, http://data.freshwaterbiodiversity.eu/metadb/about_metadata

General information

name of the dataset:

full name of the dataset: *Northern GIG Lakes Phytoplankton 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 Northern GIG WFD lakes phytoplankton classification tools. Includes data from a large number of lakes across the GIG region, provided by the participating countries. Excludes data from Norway. Raw phytoplankton data is provided as biovolumes. Raw supporting physico-chem data also included for appropriate time periods. Typology information also included. Note that not all data from this dataset will be made available to the BioFresh portal.

science keywords according to [GCMD](#):

topic: *Biological Classification*

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

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

Biota, Inland Waters

Technical and administrative specifications

data format: *Access*
operating system: *all Windows systems*
data language: *English*
current access level: *restricted access*
 web address (URL): *no web address*
update level: *completed*
documentation:

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

contact details:

metadata contact person:

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

technical contact person:

first, last name: *Jannicke Moe*
email: *jannicke.moe@niva.no*

scientific contact person:

first, last name: *Geoff Phillips*
email: *geoff.phillips@environment-agency.gov.uk*

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: *Members of NGIG*
contact email: *anne.lyche.solheim@niva.no*

data contributors to/owners of this dataset:

multiple
number: *5*

provider 1:

provider institute: *Finnish Environment Institute - SYKE*
contact name: *Marko Jarvinen*
contact email: *marko.jarvinen@ymparisto.fi*
criteria for using the data in a publication/scientific analysis:

Other/Additional criteria
comments: *Dataset contains results from samples from 1677 lakes.*

provider 2:

provider institute: *Swedish University of Agricultural Sciences*
contact name: *Stina Drakare*
contact email: *Stina.Drakare@slu.se*
criteria for using the data in a publication/scientific analysis:

Other/Additional criteria
other/additional criteria: *The compilation of data were paid for by the WISER project and therefore any publications based on these data must be delayed until after the end of the WISER project.*
comments: *Dataset contains results from samples from 120 lakes*

provider 3:

provider institute: *Irish Environment Protection Agency*
contact name: *Gary Free*
contact email: *g.free@epa.ie*
criteria for using the data in a publication/scientific analysis:

Other/Additional criteria
other/additional criteria: *Publications must not be based solely on the Irish data, but it is ok to use these data as part of larger datasets.*
comments: *Dataset contains results from samples from 16 lakes*

provider 4:

provider institute: *Environment Agency (lead organisation)*
contact name: *Geoff Phillips*
contact email: *geoff.phillips@environment-agency.gov.uk*
other/additional criteria:

UK dataset contains data from England and Wales, Scotland and Northern Ireland. The Scottish data owners are Scottish Environment Protection Agency, contact Jan.krokowski@sepa.org.uk. The Northern Ireland data owners are the Northern Ireland Environment Agency, contact Brenda Walker, Brenda.Walker@doeni.gov.uk
comments: *Dataset contains results from samples from 110 lakes.*

provider 5:

provider institute: *Norwegian Institute for Water Research (NIVA)*
contact name: *Ann Lyche Solheim*
contact email: *anne.lyche.solheim@niva.no*
other/additional criteria:

These data can only be used as occurrence data.
comments: *Dataset contains results from samples from 13 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):

southernmost latitude [°]: *50.077054*

northernmost latitude [°]: *69.742616*

westernmost longitude [°]: *-9.93219*

easternmost longitude [°]: *31.42985*

minimum altitude: *0 metres*

maximum altitude: *966 metres*

countries: *Europe: Finland, Ireland, Norway, Sweden, United Kingdom*

comments: *Please see also: <http://www.wiser.eu/results/meta-database/>*

Site specifications

coordinate system/grid data: *latitude/longitude, format: DD*
grid data available: *yes*
comments: *Grid data not available for all sites*

other site classification parameters: *Alkalinity type, humic type*

site coding available: *yes*
numerical

example: *Running numbers*

number of sites: *>1000*
exact number of sites: *1936*

Climate and environmental data

climate related data: *no data available*

environmental data: *no parameter data per catchment available*

no parameter data per site available

physico-chemistry data: *total P, ortho P, total dissolved P, nitrate, nitrite, total N, ammonium, hardness, alkalinity, oxygen content, water temperature, pH, conductivity, chlorophyll, colour, Secchi disc depth, thermocline depth*

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

per sample

Biological data

biological data origin: *from sampling*
specify project: *Monitoring networks and specifically collected data*

organism group addressed: *phytoplankton*

Sample specifications/sample resolution

phytoplankton:

sample information:

covered timeframe:

year from - to: 1994 - 2009

historical data: no

season: spring, summer, autumn

temporal resolution/frequency of sampling:

Different frequencies apply to data from different countries

time series data: no

taxonomic resolution: order, genus, species, other

other taxonomic levels: class, variety

percentage of species level data: 44

taxonomic coding:

taxalist according to: freshwater ecology

coding system: REBECCA_WISER codes

example: R1472

sample specifications: quantitative (abundance data)

replicate samples: no

number of samples: 3485

Other specifications

GIS layers, shapes related to the dataset:

no data available

availability of photos: *no*

availability of maps: *no*

quality control procedures: