



Metadata

UK and Ireland Lake Phytoplankton

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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: *UK and Ireland Lake Phytoplankton*

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

specify: *community composition data*

short description of the dataset/summary:

Phytoplankton taxonomic data for UK and Irish lakes.

science keywords according to [GCMD](#):

topic: *Biosphere, Biological Classification, Terrestrial Hydrosphere*

keywords: *Phytoplankton, Irish lakes, UK*

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

Biota, Environment, Inland Waters

Technical and administrative specifications

data format: *Access*
operating system: *Win XP*
data language: *English*
current access level: *internal*
 others/details: *database managed by Laurence Carvalho & Bernard Dudley, CEH (NERC)*
currently available through [GBIF](#): *no*
 exchange planned: *no*
update level: *continuously updated*
documentation:
Do you plan to publish the data on the Freshwater Biodiversity data portal:
contact details:

metadata contact person:

first, last name: *Laurence Carvalho*

email: *laca@ceh.ac.uk*

technical contact person:

first, last name: *Laurence Carvalho*

email: *laca@ceh.ac.uk*

scientific contact person:

first, last name: *Laurence Carvalho*

email: *laca@ceh.ac.uk*

comments: *[Metadata were harvested from the WISER metadatabase (http://www.wiser.eu/results/meta-database/details.php?id1=16&id2=48) by the BioFresh team.]*

Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

contact name: *UK environment agencies (EA & SEPA)*
contact email: *Sian Davies (p.sian.davies@environment-agency.gov.uk) and Jan Krokowski (Jan.Krokowski@sepa.org.uk)*

data contributors to/owners of this dataset:

single

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

The dataset is publicly available (data portal, data archive) and can be used without restrictions, but dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

other/additional criteria:

*Data are owned by the UK environment agencies (EA & SEPA) but data are publicly available.
The relevant organisations should be notified before data is used in a publication and acknowledged in the publication.*

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 [°]: *60.976659*
northernmost latitude [°]: *49.910093*
westernmost longitude [°]: *-10.570801*
easternmost longitude [°]: *1.808105*
minimum altitude: *-4 metres*
maximum altitude: *1343 metres*
countries: *Europe: United Kingdom*

Site specifications

coordinate system/grid data:	<i>latitude/longitude, format:</i>
datum (e.g. WGS84):	<i>e.g. 56.1981, -3.3759</i>
grid data available:	<i>yes</i>
comments:	<i>(local - UK national grid references available too)</i>
other site classification parameters:	<i>Lakes defined by alkalinity class - not geology</i>
	<i>Low n=62</i>
	<i>Medium n=25</i>
	<i>High n=33</i>
	<i>Unknown n=27</i>
site coding:	<i>numerical</i>
number of digits:	<i>5</i>
example:	<i>Up to 5 digits (starts at 1) e.g. 7, 1570, 24843</i>
number of sites:	<i>100 - 1000</i>
exact number of sites:	<i>147</i>
comments:	<i>Further alkalinity, depth and colour data to be collected</i>

Climate and environmental data

climate related data:

environmental data:

physico-chemistry data: *total P, ortho P, nitrate, alkalinity, water temperature, pH, conductivity, chlorophyll, colour, euphotic depth*

other physico-chemical parameters *Silicate at some sites*

stressors influencing the sites:

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication	yes	yes		TP, chlorophyll, Secchi depth

Biological data

biological data origin: *from sampling*
specify project: *EA & SEPA*

organism group addressed: *phytoplankton, macroalgae, macrophytes*

Sample specifications/sample resolution

phytoplankton:

sample information:

covered timeframe:

year from - to: 2007 - 2008

historical data: no

season: summer, autumn

taxonomic resolution: species

percentage of species level data: 100

taxonomic coding:

coding system: REBECCA

sample specifications: quantitative (abundance data)

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

composite samples

comments: Whitton code but can export data as REBECCA code.

macroalgae:

sample information:

covered timeframe:

year from - to: 2007 - 2008

season: summer, autumn

taxonomic resolution:

taxonomic coding:

sample specifications:

macrophytes:

sample information:

covered timeframe:

year from - to: 2007 - 2008

season: summer, autumn

taxonomic resolution:

taxonomic coding:

sample specifications:

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

composite samples

Other specifications

GIS layers, shapes related to the dataset:

no data available

availability of photos: *no*

availability of maps: *no*

quality control procedures: