



Metadata

French lakes - Macrophyte database

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Exported from the BioFresh data portal, <http://data.freshwaterbiodiversity.eu>

Visit the BioFresh metadatabase query tool, <http://data.freshwaterbiodiversity.eu/metadb/metaDBQry>

Visit the BioFresh metadatabase full text search, <http://data.freshwaterbiodiversity.eu/metadb/metaDBfts>

General information

name of the database:

full name of the database: *French lakes - Macrophyte database*

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

data type: *point data/observation data*

short description of the database/summary:

Data collected with the national sampling method (WFD compliant) only. 50% of these data were collected in 2008. Taxa list, relative abundances, maximum colonization depth, substrate are collected on sampling sites (called observation units). Each sampling site is made of 1 section of shore and 3 perpendicular profiles. Number of units depending on the lake size.

science keywords according to [GCMD](#):

topic: *Terrestrial Hydrosphere*

keywords: *Macrophytes, WFD*

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

Biota, Environment, Inland Waters

Technical and administrative specifications

data format: *Access*
operating system: *Win XP*
current availability: *internal*
currently available through [GBIF](#): *no*
exchange planned: *no*
update level: *continuously updated*

documentation:

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

contact details:

metadata contact person:

first, last name: *Samuel Alleaume*
email: *samuel.alleaume@cemagref.fr*

technical contact person:

first, last name: *Samuel Alleaume*
email: *samuel.alleaume@cemagref.fr*

scientific contact person:

first, last name: *Vincent Bertrin*
email: *vincent.bertrin@cemagref.fr*

comments:

*[Metadata were harvested from the WISER metadatabase
(<http://www.wiser.eu/results/meta-database/details.php?id1=69&id2=12>) by
the BioFresh team.]*

Intellectual property rights and citation

(if the database is already published):

database creator (data compiler):

contact name: *French ministry of Environment*

data contributors to/owners of this database:

single

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

Other/Additional criteria

Other/Additional criteria:

contact data provider for specifications

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:

General data specifications

regional coverage of the database:

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

spatial extend (bounding coordinates):

southernmost latitude [°]: *51.211469*
northernmost latitude [°]: *42.197471*
westernmost longitude [°]: *-5.099609*
easternmost longitude [°]: *8.057172*
minimum altitude: *-4 meters*
maximum altitude: *4810 meters*
countries: *Europe: France*

Site specifications

coordinate system/grid data:

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

other site classification parameters:

perimeter, max depth, surface catchment area, volume

site coding:

site coding available: *yes*

alphanumerical

number of digits:

7

example:

FRGL143

exact number of sites:

52

comments:

Some sites don't correspond to any GIG type.

geology mainly based on alkalinity >1== calcareous; <1== siliceous

Climate and environmental data

climate related data:

environmental data:

available parameters per site:

maximum depth

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

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: *90*

taxonomic coding:

coding system: *National standard SANDRE code (4 or 5 numbers)*

sample specifications: *semi-quantitative, qualitative*

macrophytes:

sample information:

taxonomic resolution: *genus, species*

percentage of species level data: *90*

taxonomic coding:

coding system: *National standard SANDRE code (4 or 5 numbers)*

sample specifications: *semi-quantitative, qualitative*

angiosperms:

sample information:

taxonomic resolution: *genus, species*

percentage of species level data: *90*

taxonomic coding:

coding system: *National standard SANDRE code (4 or 5 numbers)*

sample specifications: *semi-quantitative, qualitative*

Other specifications

GIS layers, shapes related to the database:

others (specify):	<i>not for all lakes</i>
availability of photos:	yes
availability of maps:	yes
quality control procedures:	
comments:	<i>not for all lakes</i>