



## Metadata

### French Lakes - fish database

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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](http://data.freshwaterbiodiversity.eu/metadb/about_metadata)

#### General information

**name of the dataset:**

full name of the dataset: *French Lakes - fish database*

**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:

*The data gathered in this database are very diverse, they concerned different BQE and physico chemical analyses. Different organisms collected these data from different protocols. Concerning the fish dB, the lakes are sampled on different GPS referenced points (different net settled for one lake). Fish sampling are connected to a particular campaign, identified by a beginning and a ending date, as well as all the physico chemical data available (thermo depth, oxycline depth, air temperature, secchi disk...)(as much as we can). All net settled during a campaign are described: CEN standard or not, stratum of the net, hour settlement, hour taking off...)and the fished caught are gathered in different type of lot (individual, batch of fish) with measurement and weight where possible (sex if possible).*

**science keywords according to [GCMD](#):**

topic: *Biosphere, Terrestrial Hydrosphere*

keywords: *BQE, fish, lakes*

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

*Biota, Environment, Inland Waters*

## Technical and administrative specifications

**data format:** *Access*  
**operating system:** *Win XP*  
**current access level:** *internal*  
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: *Samuel Alleaume*  
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technical contact person:

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scientific contact person:

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### comments:

*[Metadata were harvested from the WISER metadatabase  
(<http://www.wiser.eu/results/meta-database/details.php?id1=77&id2=3>) by  
the BioFresh team.]*

## Intellectual property rights and citation

(if the database is already published):

### dataset creator (data compiler):

contact name: *French Ministry of Environment*

### data contributors to/owners of this dataset:

*single*

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

*Other/Additional criteria*

other/additional criteria: *Property rights differ from one MS to another. So, these data cannot be public at all.*

### 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 [°]: *51.204586*  
northernmost latitude [°]: *42.295064*  
westernmost longitude [°]: *-4.989746*  
easternmost longitude [°]: *8.364789*  
minimum altitude: *-4 metres*  
maximum altitude: *4810 metres*  
countries: *Europe: France*

## Site specifications

### coordinate system/grid data:

datum (e.g. WGS84): NTF

### other site classification parameters:

*perimeter (171), max depth (162), surface catchment area (157), volume (153)*

### site coding:

site coding available: yes  
*alphanumerical*

number of digits: 7

example: FRGL143

### number of sites:

100 - 1000

exact number of sites: 173

### comments:

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

*The distribution of all the lakes in the 3 different GIG has been done geographically. 4 lakes are in the pyrenean region and could not be associated to any GIG.*

*For the lake size: 24 lakes are missing. Their lake size are <0.5 km2.*

## Climate and environmental data

climate related data:

environmental data:

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*

comments:

*All these percentage have been calculated from our actual base but more informations should arrive in the current of the year 2009: some of the 36% should increase until 100% when the values will be collected and integrated (pH, total P, water temperature, nitrate, oxygen). At the moment, only 63 lakes have been sampled.*

stressors influencing the sites:

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication	no	no		
hydromorphological degradation	no	no		
acidification	no	no		
organic pollution	no	no		
toxic stress	no	no		
general degradation	no	no		

## Biological data

### biological data origin:

organism group addressed: *fish*

## Sample specifications/sample resolution

### fish:

#### **sample information:**

covered timeframe:

year from - to: *2004 - 2009*

season: *summer, autumn*

#### **taxonomic resolution:** *species*

percentage of species level data: *100*

#### **taxonomic coding:**

coding system: *Shortcode FR*

#### **sample specifications:** *quantitative (abundance data), qualitative*

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

*gill net*

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

*littoral, sublittoral profundal (lakes)*

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## Other specifications

### GIS layers, shapes related to the dataset:

others (specify): *hydrographic network, perimeter of lakes, shape, catchment area, corine landcover, climatic data, transport network, geology, erosion...*

**availability of photos:** yes

**availability of maps:** yes

**quality control procedures:**