



## Metadata

# Fish in lakes Intercalibration dataset France

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### General information

**name of the dataset:**

full name of the dataset: *Fish in lakes Intercalibration dataset France*  
dataset short name: *Base Irstea poisson*

**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:  
*Fish species list + individual characteristics (length and weight) collected with the CEN standard (multimesh gillnets) in different lakes and reservoirs*

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

topic: *Biological Classification*  
keywords: *fish lake reservoir gillnet survey*

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

*Environment*

## Technical and administrative specifications

**data format:** *Access*  
**operating system:** *Win Server*  
**data language:** *French*  
**current access level:** *restricted access*  
currently available through [GBIF](#): *no*  
exchange planned: *no*  
**update level:** *continuously updated*  
**documentation:**  
type: *internal description*  
language: *French*

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

media for data delivery: *others/specify*  
others/details: *available on request*

### contact details:

metadata contact person:  
first, last name: *Christine Argillier*  
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technical contact person:  
scientific contact person:  
first, last name: *Christine Argillier*  
phone: *33 4 42 66 79 33*  
email: *christine.argillier@irstea.fr*

## Intellectual property rights and citation

(if the database is already published):

### dataset creator (data compiler):

contact name: *French Ministry in charge of the Environment*

contact email: *isabelle.vial@onema.fr*

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

*single*

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

*Other/Additional criteria*

other/additional criteria:

*Data provider must be offered co-authorship for publications using this dataset. Data must be publicly acknowledged and cited correctly.*

### citation of this dataset:

### citation of the metadata:

### comments:

*Data are managed by Onema and Irstea is in charge of the national collection of the districts' information in a single national database.*

## General data specifications

### regional coverage of the dataset:

scale of the dataset: *national*  
continents: *Europe*  
countries: *Europe: France*

## Site specifications

### coordinate system/grid data:

datum (e.g. WGS84): *WGS84 and RGF93*

### other site classification parameters:

*presence/absence of littoral area*

*ecoregion*

site coding available: *yes*

*alphanumerical*

number of sites: *100 - 1000*

## Climate and environmental data

### climate related data:

available per: *per site*  
 available parameters: *mean annual temperature January, July*  
 data source: *CRU*  
*mean annual precipitation*  
 data source: *CRU*

### environmental data:

available parameters per catchment: *catchment size*  
 available parameters per catchment: *catchment land cover/land use*  
 data source: *Corona*  
 available parameters per catchment: *population density*  
 available parameters per catchment: *hydrological regime/flow regime*  
 data source: *EU (national, not free)*  
 available parameters per site: *catchment land use upstream of sampling site*  
 available parameters per site: *information on riparian vegetation (incl. information on modification)*  
 data source: *CRU*  
 available parameters per site: *information on embankment (incl. information on modification)*  
 data source: *Albatour (national protocol)*  
 available parameters per site: *information on water uses (e.g., irrigation, fish ponds)*  
 data source: *part*  
 available parameters per site: *altitude*  
 available parameters per site: *hydrological regime/flow regime*  
 data source: *Wade*  
 available parameters per site: *maximum depth*  
 available parameters per site: *mean depth*  
 comments: *Not available for all the sites*

**physico-chemistry data:** *total P, ortho P, total dissolved P, nitrate, nitrite, total N, ammonium, alkalinity, TOC (total organic carbon), BOD5 (biochemical oxygen demand), water temperature, pH, conductivity, chlorophyll, Secchi disc depth, thermocline depth, suspended solids*

other physico-chemical parameters: *All the parameters required by the WFD to support the biology*  
 availability of physico-chemical data, if there is more than one sample per site: *per sample*

### stressors influencing the sites:

reference sites available: *no*

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication	yes		yes	
hydromorphological degradation			yes	
general degradation			yes	

hydrologic stress (e.g. impoundment, flow velocity reduction, hydropeaking, water abstraction, flow velocity increase)				
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## Biological data

**biological data origin:** *from sampling*  
specify project: *Surveillance and operational networks*

organism group addressed: *fish*



## Sample specifications/sample resolution

### fish:

#### **sample information:**

covered timeframe:

year from - to: 2005 - now

historical data: no

palaeo data: no

season: summer

temporal resolution/frequency of sampling:

*every 6 years*

time series data: no

**taxonomic resolution:** *species*

#### **taxonomic coding:**

taxalist according to: *kottelat*

coding system: *sandre*

**sample specifications:** *quantitative (abundance data), semi-quantitative, qualitative*

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

*"Water quality - Sampling of fish with multi-mesh gillnets" CEN standard EN 14757*

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

*Ramdomisation in order to take into account all the habitats. Sampling effort proportional to the size and the depth of the lake*

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

*" The lake is stratified in depth strata and a random sampling is performed within each depth stratum. Each gillnet is placed to represent an independent sample of the fish assemblage. By randomising the location of each gillnet within each depth stratum and by randomising the angle of the gillnet in relation to shoreline, an independent sample of the fish in each stratum will be achieved."*

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## Other specifications

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

*catchments, river-sub-basins*  
*land use*  
*dams/reservoirs/barriers*  
*population density*

### availability of photos:

*yes*

### availability of maps:

*yes*

### quality control procedures:

Were any quality control procedures applied to your dataset?

*yes*

quality control protocols and comments:

*Expertise on the biological information*  
*Use of national codes for species and attributes of the lakes and their environment*  
*Bancarisation process*  
*Integrity of the database*