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: Christine Argillier
  first, last name: Christine Argillier
  phone: 33 4 42 66 79 33
  email: christine.argillier@irstea.fr
  institution: Irstea
  address: 3275 Route de Cézanne, CS 40061
  postal code, city: Aix en Provence, France
  web address: http://www.irstea.fr

  technical contact person: Christine Argillier
  scientific contact person: Christine Argillier
  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:
  Data are managed by Onema and Irstea is in charge of the national collection of the districts' information in a single national database.

comments:
**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
CRU data source:
mean annual precipitation
CRU data source:

environmental data:
available parameters per catchment: catchment size
available parameters per catchment: catchment land cover/land use
CRU data source:
available parameters per catchment: population density
available parameters per catchment: hydrological regime/flow regime
LOIEAU data source (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)
CORILA data source:
available parameters per site: information on embankment (incl. information on modification)
available parameters per site: information on water uses (e.g., irrigation, fish ponds)
pardata data source:
available parameters per site: altitude
available parameters per site: hydrological regime/flow regime
Water level fluctuation data source:
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, Secci 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

<table>
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<tr>
<th>stressor</th>
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<th>data before/after restoration available</th>
<th>stressor gradient available</th>
<th>comments</th>
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<td>general degradation</td>
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<td><strong>Biological data</strong></td>
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</tbody>
</table>
Sample specifications/sample resolution

**fish:**

**sample information:**
- covered timeframe: 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.):**
Randomisation 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."
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