Fish data of the Belgian River Meuse from 1989 to 2012

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General information

**name of the dataset:**
- full name of the dataset: Fish data of the Belgian River Meuse from 1989 to 2012
- dataset short name: Meuse River fish dataset

**type of dataset** (more information):
- species distribution data
- fish relative abundance

**data type:**
- point data/observation data

**short description of the dataset/summary:**

During 23 years, 3 institutions sampled fish in the Belgian part of the River Meuse with two distinct methodologies.

Data were provided by the survey of fish passages in fish ladders at Tailfer (upstream Namur) and Lixhe (downstream Liège) over the 1989-2012 period (Matondo & Ovidio 2016). Fish were collected daily in a trap placed in the upper pool of the ladder when the migration peaks occurred, and twice a week outside the major migration period. All the fish species were identified and species abundances were estimated without taking into account the juveniles and the youngs-of-the-year. Annual fish abundances were expressed as monthly averages.

Data from Hastière, Andenne and Visé were provided by electrofishing from a boat along the banks in 1994, 2007, 2008, 2009 and 2010. Abundances were expressed as number of individuals per 100m² of river sampled.

Environmental and invertebrate data of the River Meuse are also available as separate datasets.

**keywords according to GCMD:**
- topic: Biosphere, Terrestrial Hydrosphere

**ISO topic category according to ISO 19115:**
- Biota

**INSPIRE keywords according to GEMET:**
- Environmental monitoring facilities, Habitats and biotopes

**own science keywords:**
- Fish pass survey, long term monitoring, roach decrease
- Planktonic resources decrease, and habitat alterations, which consequences for the functioning of communities? University of Namur

**related project:**
- We would like to thank the SPW (Belgium) for providing the data corresponding to their Meuse River monitoring programs. This work was funded by the University of Namur and Liege.

**funding:**
- © BioFresh - Funded by the European Union under the 7th Framework Programme - contract no. 226874
Technical and administrative specifications

data format: Excel
operating system: Win 7
data language: English
current access level: internal
currently available through GBIF: yes
exchange planned: yes
data in data repository: no

Do you plan to publish the data on the Freshwater Biodiversity Data Portal:
update level: already published through the Freshwater Biodiversity Data Portal
completed
documentation:
type: scientific paper
language: English

contact details:

metadata contact person:
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Intellectual property rights and citation

(if the dataset is already published):

dataset creator (data compiler):

  contact name: Latli Adrien
  contact email: adrien.latli@unamur.be
  contact institution: patrick.kestemont@unamur.be

data contributors to/owners of this dataset:

  number: multiple

provider 1:

  provider institute: University of Namur
  contact name: Latli Adrien
  contact email: adrien.latli@unamur.be; patrick.kestemont@unamur.be
  criteria for using the data in a publication/scientific analysis:

    The dataset needs to be requested from dataset creator with specific conditions of use.

provider 2:

  provider institute: University Liege
  contact name: Ovidio Michael
  contact email: M.Ovidio@ulg.ac.be
  criteria for using the data in a publication/scientific analysis:

    The dataset needs to be requested from dataset creator with specific conditions of use.

provider 3:

  provider institute: SPW-Direction de la chasse et la pêche
  contact name: SPW-Direction de la chasse et la pêche
  contact email: DNF.DGRNE@mrw.wallonie.be
  criteria for using the data in a publication/scientific analysis:

    The dataset needs to be requested from dataset creator with specific conditions of use.

citation of this dataset:

  author(s): Latli, A., Ovidio, M., & Kestemont, P.
  title and journal (name, number, pages):

    Fish abundance evolution in the Belgian River Meuse from 1989 to 2012.

    year: 2017
  doi (if applicable): https://doi.org/10.15468/vw7apf

citation of the metadata:

  author(s): Latli A., Ovidio M. & Kestemont P.
  title and journal (name, number, pages):

    Fish data of the Belgian River Meuse from 1989 to 2012. Freshwater Metadata Journal 0: 0-0

    year: 0000
  doi (if applicable): https://doi.org/10.15504/fmj.0000.0
General data specifications

regional coverage of the dataset: regional
continents: Europe

spatial extent (bounding coordinates):
southernmost latitude [°]: 50°9'
northernmost latitude [°]: 50°45'
westernmost longitude [°]: 4°49'
easternmost longitude [°]: 5°41'
million altitude: 49 metres
maximum altitude: 100 metres
countries: Europe: Belgium
### Site specifications

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<td>Exact number of sites:</td>
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</tbody>
</table>
Biological data

biological data origin: from sampling,
specify project: Saumon Meuse and FEP-Meuse
specify method:
organism group addressed: fish
Sample resolution

fish:
taxonomic resolution:
  percentage of species level data: 100
taxonomic coding:
  taxalist according to: FishBase
  citation: The information in the species table has been derived from more than 3,500 references such as the FAO Species Catalogues (e.g. Nielsen et al. 1999), the Indo-Pacific Fishes Series (e.g. Randall 2000), other taxonomic revisions, (e.g. Pietsch and Grobecker 1987) as well as faunal checklists such as Daget et al. (1984, 1990), Shao et al. (1992). Kottelat et al. (1993), Smith and Heemstra (1995), Myers (1999) and Smith-Vaniz et al. (1999).
coding system: no coding used
Other specifications

GIS layers, shape files related to the dataset: no data available
availability of photos: no
availability of maps: no
quality control procedures:
  Were any quality control procedures applied to your dataset? yes
  quality control protocols and comments: We performed a number of systematic checks using the OpenRefine software.