



Metadata

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*

specify: *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 young-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*

related project: *Planctonic resources decrease, and habitat alterations, which consequences for the functioning of communities? University of Namur*

funding: *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.*

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:

already published through the Freshwater Biodiversity Data Portal

update level: *completed*

documentation:

type: *scientific paper*
language: *English*

contact details:

metadata contact person:

first, last name: *Adrien Latli*
phone: *+32 (0)81 72 42 87*
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institution: *University of Namur - URBE*
address: *Rue Bruxelles, 61*
postal code, city: *5000 Namur*
country: *Belgium*

technical contact person:

first, last name: *Adrien Latli*
phone: *081 72 42 87*
email: *adrien.latli@unamur.be*

scientific contact person:

first, last name: *Patrick Kestemont*
phone: *+32 (0)81 72 43 63*
email: *patrick.kestemonti@unamur.be*

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*
3

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:

spatial extent 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'*
minimum altitude: *49 metres*
maximum altitude: *100 metres*
countries: *Europe: Belgium*

Site specifications

| | |
|-------------------------------------|---|
| coordinate system/grid data: | <i>latitude/longitude projected</i> |
| datum (e.g. WGS84): | <i>WGS84</i> |
| grid data available: | <i>no</i> |
| site coding available: | <i>no</i> |
| number of sites: | <i><100</i> |
| exact number of sites: | <i>3</i> |

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.