



Metadata

Physicochemical data of the Belgian River Meuse from 1972 to 2010

SUPPORTED BY



Exported from the Freshwater Biodiversity Data Portal, <http://data.freshwaterbiodiversity.eu>
Visit the Freshwater Metadatabase, http://data.freshwaterbiodiversity.eu/metadb/about_metadata

General information

name of the dataset:

full name of the dataset: *Physicochemical data of the Belgian River Meuse from 1972 to 2010*
dataset short name: *Meuse River physicochemical dataset*

type of dataset ([more information](#)): *environmental characteristics database*

specify: *Physicochemical data*

data type: *point data/observation data*

short description of the dataset/summary:

Three sites, covering the Belgium Meuse River had been homogeneously monitored for a longest period of time (1972-2010). Dissolved oxygen, water temperature, suspended matter, nitrates, ammonium, dissolved reactive phosphorus, chlorophyll-a and water discharge were measured by public institutions. For each site and each parameter, annual average values were calculated (mean, min and max).

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

keywords according to [GCMD](#):

topic: *Climate Indicators, Terrestrial Hydrosphere*

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

Environment

INSPIRE keywords according to [GEMET](#):

Environmental monitoring facilities, Habitats and biotopes

own science keywords: *physico-chemical, long-term measurements, River Meuse, global warming, chlorophyll-a 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.*

Technical and administrative specifications

data format: *Excel*
operating system: *Win 7*
data language: *English*
current access level: *web (public)*
web address: *http://www.riwa-maas.org/nc/en/quality-measurements.html*
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, others/specify*
others/details: *Could be updated in the future by the partners.*

documentation:

type: *scientific paper*
language: *English*

contact details:

metadata contact person:

first, last name: *Adrien Latli*
phone: *081 72 42 87*
email: *adrien.latli@unamur.be*
institution: *Univeristy 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: *Adrien Latli*
phone: *081 72 42 87*
email: *adrien.latli@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; patrick.kestemont@unamur.be*
contact institution: *University of Namur*

data contributors to/owners of this dataset:

number: *multiple*
3

provider 1:

provider institute: *SPW-DGARNE*
contact name: *SPW-DGARNE*
contact email: *dgarne@spw.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.

provider 2:

provider institute: *RIWA*
contact name: *RIWA*
contact email: *vanhoutem@riwa.org*
criteria for using the data in a publication/scientific analysis:
The dataset is publicly available (data portal, data archive) and can be used without restrictions, but must be acknowledged and cited correctly.
other/additional criteria: *<http://www.riwa-maas.org/nc/en/quality-measurements.html>*

provider 3:

provider institute: *CIM-Meuse*
contact name: *CIM-Meuse*
contact email: *secr@meuse-maas.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., Service Public de Wallonie - DG03, RIWA-Maas, CIM-Meuse*
title and journal (name, number, pages):
Physicochemical evolution of the Belgian River Meuse from 1972 to 2010.
year: *2017*
doi (if applicable): *<https://doi.org/10.13148/evwxv1>*

citation of the metadata:

author(s): *Latli A., Service Public de Wallonie, Kestemont P., RIWA & CIM-Meuse*
title and journal (name, number, pages):
Physicochemical data of the Belgian River Meuse from 1972 to 2010.
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 [°]: *4° 52' 54.7"*
northernmost latitude [°]: *5° 34' 40.1"*
westernmost longitude [°]: *50° 23' 52.5"*
easternmost longitude [°]: *50° 37' 53.9"*
minimum altitude: *57 metres*
maximum altitude: *82 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>

Climate and environmental data

climate related data:

available per: *site*

available parameters:

mean annual temperature January, July xyz

http://data.europe10.1002/eap.1621

mean discharge

http://data.europe10.1002/eap.1621

environmental data:

available parameters per catchment: *catchment size*

http://data.europe10.1002/eap.1621

available parameters per catchment: *hydrological regime/flow regime*

http://data.europe10.1002/eap.1621

available parameters per site: *river length*

http://data.europe10.1002/eap.1621

available parameters per site: *distance to source*

http://data.europe10.1002/eap.1621

available parameters per site: *slope*

http://data.europe10.1002/eap.1621

available parameters per site: *altitude*

http://data.europe10.1002/eap.1621

available parameters per site: *discharge*

http://data.europe10.1002/eap.1621

comments:

Latli, A., Descy, J.-P., Mondy, C., Floury, M., Viroux, L., Otjacques, W., Marescaux, J., Depiereux, E., Ovidio, M., Usseglio-Polatera, P. & Kestemont, P. (2017): Long-term trends in trait-structure of riverine communities facing predation risk increase and trophic resource decline. Ecological Applications 27(8): 2458-2474.

physico-chemical data:

availability of physico-chemical data, if there is more than one sample per site:

per sample

stressors influencing the sites: *no stressor data available*

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.