



Metadata

Metadata of European Lake Fishes Dataset

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: *Metadata of European Lake Fishes Dataset*
dataset short name: *Lake Fish Metadata*

type of dataset ([more information](#)): *species distribution data*

specify: *species presence/absence matrix in European lakes*

data type: *point data/observation data*

short description of the dataset/summary:

Here we provide the metadata for an overview on fish species presence/absence in 1943 Palearctic (Europe + Turkey) lakes and reservoirs. The data have been obtained by standardized multi-mesh gillnet fishing, primarily to fulfill the requirements of the European Water Framework Directive (WFD). The species list encompasses about 100 species, a few of them split into subspecies. The database has been accumulated for the purpose of intercalibration of the evaluation systems for the WFD, and has systematically been used for research in the EU project WISER.

keywords according to [GCMD](#):

topic: *Biosphere, Biological Classification, Climate Indicators*

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

Biota, Inland Waters

INSPIRE keywords according to [GEMET](#):

own science keywords: *fish assemblage, lakes and reservoirs, local records, Pan-European coverage*

Technical and administrative specifications

data format: *Excel*
operating system: *all Windows systems*
data language: *English*
current access level: *internal*
currently available through [GBIF](#): *no*
exchange planned: *yes*
data in data repository: *no*

Do you plan to publish the data on the Freshwater Biodiversity Data Portal:

yes

update level: *completed*

documentation:

type: *scientific paper*
others/details: *see dataset related references below*
language: *English*

contact details:

metadata contact person:

first, last name: *Thomas Mehner*
phone: *+49 (0)30 641 81 613*
email: *mehner@igb-berlin.de*
institution: *Leibniz-Institute of Freshwater Ecology and Inland Fisheries Berlin
(Germany)*
address: *Müggelseedamm 310*
postal code, city: *12587 Berlin*
country: *Germany*

technical contact person:

first, last name: *Thomas Mehner*
phone: *+49 (0)30 641 81 613*
email: *mehner@igb-berlin.de*

scientific contact person:

first, last name: *Thomas Mehner*
phone: *+49 (0)30 641 81 613*
email: *mehner@igb-berlin.de*

Intellectual property rights and citation

(if the dataset is already published):

dataset creator (data compiler):

contact name: *Thomas Mehner*
contact email: *mehner@igb-berlin.de*
contact institution: *Leibniz-Institute of Freshwater Ecology and Inland Fisheries Berlin*

data contributors to/owners of this dataset:

number: *multiple*
14

provider 1:

provider institute: *Leibniz Institute of Freshwater Ecology and Inland Fisheries*
contact name: *Thomas Mehner*
contact email: *mehner@igb-berlin.de*
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: *ICREA, Catalan Institution for Research and Advanced Studies, Spain*
contact name: *Sandra Bruçet*
contact email: *sandra.bruçet@uvic.cat*
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 dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

provider 3:

provider institute: *Irstea, UR RECOVER, Aix en Provence, France*
contact name: *Christine Argillier*
contact email: *christine.argillier@irstea.fr*
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 4:

provider institute: *Middle East Technical University, Department of Biological Sciences, Ankara*
contact name: *Meryem Beklioglu*
contact email: *meryem@metu.edu.tr*
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 5:

provider institute: *University of Lisbon, Instituto Superior de Agronomia*
contact name: *Teresa Ferreira*
contact email: *terferreira@isa.ulisboa.pt*
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 6:

provider institute: *Norwegian Institute for Nature Research, Trondheim, Norway*
contact name: *Trygve Hesthagen*

contact email: *trygve.Hesthagen@nina.no*

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.

provider 7:

provider institute: *Swedish University of Agricultural Sciences, Department of Aquatic Resources*

contact name: *Kerstin Holmgren*

contact email: *kerstin.holmgren@slu.se*

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 8:

provider institute: *Department of Bioscience and Arctic Research Centre (ARC), Aarhus University*

contact name: *Erik Jeppesen*

contact email: *ej@bios.au.dk*

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 9:

provider institute: *Inland Fisheries Ireland, Dublin*

contact name: *Fiona Kelly*

contact email: *Fiona.Kelly@fisheriesireland.ie*

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 10:

provider institute: *Estonian University of Life Sciences, Tartu*

contact name: *Teet Krause*

contact email: *Teet.Krause@emu.ee*

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 11:

provider institute: *Natural Resources Institute Finland, Jyväskylä*

contact name: *Martti Rask*

contact email: *martti.rask@luke.fi*

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 12:

provider institute: *National Research Council, Institute of Ecosystem Study, Verbania Pallanza*

contact name: *Pietro Volta*

contact email: *p.volta@ise.cnr.it*

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 13:

provider institute: *Centre for Ecology & Hydrology, Lancaster, U.K.*
contact name: *Ian J. Winfield*
contact email: *ijw@ceh.ac.uk*
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 14:

provider institute: *Fisheries Research Institute of Slovenia*
contact name: *Samo Podgornik*
contact email: *Samo.Podgornik@zzrs.si*
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): *Mehner T., Brucet S., Argillier C., Beklioglu M., Ferreira T., Hesthagen T., Holmgren K., Jeppesen E., Kelly F., Krause T., Rask M., Volta P., Winfield I.J. & Podgornik S.*
title and journal (name, number, pages):
European Lake Fish Dataset.
year: *2017*

citation of the metadata:

author(s): *Mehner T., Brucet S., Argillier C., Beklioglu M., Ferreira T., Hesthagen T., Holmgren K., Jeppesen E., Kelly F., Krause T., Rask M., Volta P., Winfield I.J. & Podgornik S.*
title and journal (name, number, pages):
Metadata of European Lake Fishes Dataset. Freshwater Metadata Journal 23: 1-8
year: *2017*

doi (if applicable): *<https://doi.org/10.15504/fmj.2017.23>*

comments: *Note that the dataset is not publicly available as such.*

General data specifications

regional coverage of the dataset:

continents: *Asia, Europe*

spatial extent (bounding coordinates):

southernmost latitude [°]: *36*

northernmost latitude [°]: *69*

westernmost longitude [°]: *-10*

easternmost longitude [°]: *36*

minimum altitude: *0 metres*

maximum altitude: *900 metres*

countries: *Asia: Turkey*

*Europe: Denmark, Estonia, Finland, France, Germany, Ireland, Italy,
Norway, Portugal, Slovenia, Spain, Sweden, United Kingdom*

comments:

Single survey per lake, no temporal replicates.

Site specifications

coordinate system/grid data:	<i>latitude/longitude, format: DD</i>
grid data available:	<i>no</i>
site coding available:	<i>no</i>
number of sites:	<i>>1000</i>
exact number of sites:	<i>1943</i>

Biological data

biological data origin: *from sampling,*
specify project: *standardized multi-mesh gillnet fishing*
general compilation,
specify method: *Intercalibration for European Water Framework Directive, EU project*
WISER
organism group addressed: *fish*

Sample resolution

fish:

taxonomic resolution:

other taxonomic levels: *sub-species*

percentage of species level data: *100*

comments: *Resolution primarily on species level; in few cases (e.g., trout), sub-species records are available.*

taxonomic coding:

taxalist according to: *Kottelat & Freyhof*

citation: *Kottelat, M. & Freyhof, J. 2007: Handbook of European Freshwater Fishes. ISBN-13: 9782839902984*

coding system: *none*

comments: *Nomenclature follows primarily Kottelat & Freyhof.*

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:

Check of correct coordinates by country-specific data owners;

local species lists checked for plausibility by country-specific data owners.