



Metadata

European catchment data base on freshwater biodiversity

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General information

database entry ID: *BF70*

name of the database:

full name of the database: *European catchment data base on freshwater biodiversity*

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

specify: *additionally: environmental status*

data type: *shape files*

short description of the database/summary:

for 251 European primary catchments quantitative and normalised data on
- catchment parameters (area, altitude, etc)
- environmental status (hydrology, water stress, temperature, landuse, etc)
- species diversity patterns (fish, odonates, amphibians, crayfish, wetland birds)
- proportion of non-native and threatened species

science keywords according to [GCMD](#):

topic: *Biosphere, Biological Classification, Human Dimensions*

keywords: *catchment, freshwater biodiversity, Europe, species patterns (native, non-native, endemics, threatened), multiple stressors, ecosystem based indicators, priorities for conservation and management*

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

Biota, Environment, Inland Waters

Technical and administrative specifications

data format: *Access*
operating system: *all Windows systems*
data language: *English*
current access level: *internal*
update level: *update planned*
Do you plan to update the database during BioFresh (before 4/2014)?
yes

documentation:
type: *internal description*
language: *English*

delivery of the database for the BioFresh data portal:
media: *CD-ROM/DVD*
format: *Database file (e.g. mdb, dbf)*

contact details:

meta data contact:
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institution:
name: *Leibniz-Institute of Freshwater Ecology and Inland Fisheries*
address: *Müggelseedamm 310*
postal code, city: *12587 Berlin*
country: *Germany*
web address: *www.igb-berlin.de*

Intellectual property rights and citation

database owner: *BioFresh project partner*
specify: *Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB)*
contact details: *sommerwerk@igb-berlin.de*
citation:
author(s): *Tockner et al. (2009)// Sommerwerk, N., Tockner, K., Freyhof, J., Hering, D. (in prep.)*
reference title: *- Rivers of Europe (Elsevier 2009).*
- Contemporary patterns of freshwater biodiversity in Europe (in prep.).
year: *2010*
version (if applicable): *3*
data provider(s) to this database: *single*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria
Other/Additional criteria: *data base is restricted to internal use until May 2012 (embargo period).*
comments: *after the embargo period, the external usage of the database will be based on context-based decision criteria, i.e. several of the usage criteria listed above might apply, but none of them as a general rule.*

General data specifications

regional coverage of the database:

scale of the database:

catchment

continents:

Europe

countries:

Europe: Albania, Andorra, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Gibraltar, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malta, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom, Vatican City, Kosovo, Pridnestrovie (Transnistria)

Site specifications

coordinate system/grid data: *projected, others: ETRS_1989_LAEA*
Å

number of sites: *100 - 1000*

exact number of sites: *251*

Biological data

biological data origin:

specify method: *general compilation*
published data (books, webportals) on faunal distribution

organism group addressed: *water birds, amphibians, fish, macro invertebrates (Mollusca, Crayfish, Odonata)*

comments: *The selection above reflects the situation on 30-08-2011.
EPT taxa and molluscs will be added most likely till the end of 2011.*

Sample resolution

water birds:

taxonomic resolution: *species*

percentage of species level data: *100*

taxonomic coding:

taxalist according to: *The EBCC atlas of European breeding birds*

amphibians:

taxonomic resolution: *species*

percentage of species level data: *100*

taxonomic coding:

taxalist according to: *IUCN Amphibian Specialist Group*

fish:

taxonomic resolution: *species*

percentage of species level data: *100*

taxonomic coding:

taxalist according to: *IUCN Fish Specialist Group*

macro invertebrates:

taxonomic resolution: *species*

percentage of species level data: *100*

taxonomic coding:

taxalist according to: *www.freshwaterecology.info*

Other specifications

GIS layers, shapes related to the database:

species distribution

catchments, river-sub-basins

land use

dams/reservoirs/barriers

population density

environmental variables (freshwater or terrestrial)

climatic variables (current and predictions)

availability of photos:

no

availability of maps:

yes

quality control procedures:

Were any quality control procedures applied to your database?

yes