



Metadata

freshwaterecology.info

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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: *freshwaterecology.info*

dataset short name: *fwe*

type of dataset ([more information](#)): *biological or ecological traits/information database*

data type: *descriptive data*

short description of the dataset/summary:

The freshwaterecology.info database contains ecological characteristics and distribution patterns of more than 12.000 European freshwater organisms belonging to fish, macro-invertebrates, macrophytes, diatoms and phytoplankton. The ecology data feature (amongst others) ecoregional and altitudinal distribution, temperature and stream zonation preference, substrate or microhabitat preference, feeding type, life duration, saprobity and many more. All ecological parameters can be individually combined and queried.

science keywords according to [GCMD](#):

topic: *Biosphere, Biological Classification, Climate Indicators*

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

Biota, Environment, Inland Waters

Technical and administrative specifications

data format: *MySQL*
others/details: *optionally Access*
operating system: *all operating systems*
data language: *English*
current access level: *web (public)*
web address (URL): *www.freshwaterecology.info*
Do you plan to publish the data on the Freshwater Biodiversity Data Portal:
media for data delivery: *online internet (HTTP)*
web address: *www.freshwaterecology.info*
update level: *continuously updated*
documentation:
type: *internal description, others/specify*
others/details: *online documentation*
contact details:

metadata contact person:

first, last name: *Astrid Schmidt-Kloiber*
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technical contact person:

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scientific contact person:

first, last name: *Astrid Schmidt-Kloiber*
phone: *+43 1 47654 5225*
email: *astrid.schmidt-kloiber@boku.ac.at*

comments: *Access will be granted after registration.*

Intellectual property rights and citation

(if the dataset is already published):

dataset creator (data compiler):

contact name: *Astrid Schmidt-Kloiber*
contact email: *astrid.schmidt-kloiber@boku.ac.at*

data contributors to/owners of this dataset:

single

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.

citation of this dataset:

author(s): *Schmidt-Kloiber A. & Hering D. (eds.)*
title: *www.freshwaterecology.info - The Taxa and Autecology Database for Freshwater Organisms (Version **).*
year: *year of access*
version (if applicable): *version number from website*

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset: *continental*

continents: *Europe*

available distribution data: *European ecoregions (according to Illies)*

country distribution

other distribution data

comments:

For fish there are also catchment data available.

For invertebrates several small-scale distribution data are available as altitudinal, temperature, stream zonation, current conditions, microhabitat preferences etc.

Biological data

biological data origin:

specify method: *general compilation*
extensive literature evaluation and expert opinion

organism group addressed: *fish, macro-invertebrates (Mollusca, Crayfish, Crabs, Ephemeroptera, Odonata, Plecoptera, Trichoptera, Chironomidae), phytoplankton, (benthic) diatoms, macrophytes*

Species related information

fish:

taxonomic resolution:other taxonomic levels: *and lower***taxonomic coding:**taxalist according to: *Fame/EFI+/WISER projects*full reference: *FAME consortium (2002): Development of a river-type classification system (D1); Compilation and harmonisation of fish species classification (D2). Report by R. Noble & I. Cowx. Available via <http://fame.boku.ac.at/>. Pont, D., Hugueny, B., Beier, U., Goffaux, D., Melcher, A., Noble, R., Rogers, C., Roset, N. & Schmutz, S. (2006): Assessing the biotic integrity of rivers at the continental scale: a European approach using fish assemblages. *Journal of Applied Ecology*, 43: 70-80.*coding system: *ID-fwe*example: *1234*

availability of specific ecological/biological information:

macro-invertebrates:

taxonomic resolution:other taxonomic levels: *sub-species*comments: *Ecological information is available on species and sub-specie level (as well as for some selected higher taxonomic levels).***taxonomic coding:**taxalist according to: *AQEM/Star/Euro-limpacs projects*full reference: *several references: see www.freshwaterecology.info/conditions.php*coding system: *ID_Aqem (ID-fwe)*example: *12345*

availability of specific ecological/biological information:

phytoplankton:

taxonomic resolution:other taxonomic levels: *and lower***taxonomic coding:**taxalist according to: *REBECCA/WISER projects*full reference: *Mischke U., Skjelbred B., Morabito, G., Ptacnik R., de Hoyos C., Negro A.I., Laplace C., Kusber W.-H., Bijkerk R., Phillips G., Solheim A.L., Borics, G. & Carvalho L. (2012): Phytoplankton Indicator Database according to the WISER project; www.freshwaterecology.info, version 5.0 (accessed on [insert date]).*coding system: *ID-fwe*example: *1234*

availability of specific ecological/biological information:others: *size classes, morpho-functional groups, trophic scores and indicator values*

(benthic) diatoms:

taxonomic resolution:other taxonomic levels: *and lower***taxonomic coding:**taxalist according to: *OMNIDIA/Euro-limpacs projects*full reference: *Besse-Lototskaya, A., Coste M., Verdonshot, P.F.M. and Schmidt-Kloiber,*

A. (2007): *Diatom Indicator Database. Euro-limpacs project (contract no. GOCE-CT-2003-505540), Workpackage 7 - Indicators of ecosystem health, Task 4, www.freshwaterecology.info (version [insert version number*]).*

coding system: *ID-fwe*
example: *1234*

availability of specific ecological/biological information:

others: *saprobity, trophy, salinity, ph, nitrogen, oxygene preferences*

macrophytes:

taxonomic resolution:

other taxonomic levels: *and lower*

taxonomic coding:

taxalist according to: *REBECCA/WISER projects*

full reference: *WISER consortium (2011): Macrophyte Indicator Database according to European intercalibration groups and the EU-projects REBECCA/WISER; www.freshwaterecology.info, version 5.0 (accessed on [insert date]).*

coding system: *ID-fwe*
example: *1234*

availability of specific ecological/biological information:

others: *trophic scores, aquaticity, growth form*

Other specifications

availability of photos: yes

availability of maps: yes

quality control procedures:

Were any quality control procedures applied to your dataset?

yes

quality control protocols and comments:

expert judgement