



Metadata

Fish Database of European Streams

SUPPORTED BY



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Visit the Freshwater Metadatabase, http://data.freshwaterbiodiversity.eu/metadb/about_metadata

General information

name of the dataset:

full name of the dataset: *Fish Database of European Streams*

dataset short name: *FIDES*

type of dataset ([more information](#)): *species (taxonomic group) per site database including environmental information*

data type: *point data/observation data*

short description of the dataset/summary:

The aim of the FAME-project ("Development, Evaluation and Implementation of a standardised Fish-based Assessment Method for the Ecological Status of European Rivers") was developing, evaluating and implementing a fish-based assessment method for the ecological status of rivers. The database covers 12 countries and contains more than 15000 sites.

keywords according to [GCMD](#):

topic: *Biosphere, Biological Classification, Terrestrial Hydrosphere*

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

Biota, Environment, Inland Waters

INSPIRE keywords according to [GEMET](#):

own science keywords: *fish, assessment method, ecological status, rivers,*

Technical and administrative specifications

data format: *Access*
operating system: *all Windows systems*
data language: *English*
current access level: *restricted access*
web address: *<http://fame.boku.ac.at/index.htm>*

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

update level: *completed*
documentation:
type: *manual, others/specify*
others/details: *Deliverables*
language: *English*

contact details:

metadata contact person:
first, last name: *Florian Pletterbauer*
phone: *0043/1/476545227*
email: *florian.pletterbauer@boku.ac.at*
institution: *Institute of Hydrobiology and Aquatic Ecosystem Management*
address: *Max Emanuel-Straße 17*
postal code, city: *1180 Vienna*
province, state: *Vienna*
country: *Austria*
web address: *<http://www.boku.ac.at/hfa/>*

technical contact person:
first, last name: *Andreas Melcher*
phone: *0043/1/476545223*
email: *andreas.melcher@boku.ac.at*

scientific contact person:
first, last name: *Stefan Schmutz*
email: *stefan.schmutz@boku.ac.at*

Intellectual property rights and citation

(if the dataset is already published):

dataset creator (data compiler):

contact name: *FAME project group*

contact email: *Stefan Schmutz, University of Natural Resources and Life Sciences Vienna*

data contributors to/owners of this dataset:

multiple

number: *32*

provider 1:

provider institute: *HFA*

contact name: *Andi Melcher*

contact email: *andreas.melcher@boku.ac.at*

criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 2:

provider institute: *Institute for Forsetry and Gamemanagement*

contact name: *Ilse Simoens*

contact email: *ilse.simoens@lin.vlaanderen.be*

criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 3:

provider institute: *Institute for Forsetry and Gamemanagement*

contact name: *Jan Breine*

contact email: *jan.breine@lin.vlaanderen.be*

criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 4:

provider institute: *University of Namur Unit in Freshwater Biology*

contact name: *Delphine Goffaux*

contact email: *delphine.goffaux@fundp.ac.be*

criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 5:

provider institute: *Wassergütestelle Elbe*

contact name: *Th. Gaumert*

contact email: *thomas.gaumert@arge-elbe.de*

criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 6:

provider institute: *Fischereiforschungsstelle des Landes Baden-Württem*

contact name: *Rainer Berg*

contact email: *Rainer.berg@lvvg.bwl.de*

criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 7:

provider institute: *Landesanstalt für Fischerei*

contact name: *Eberhard Leuner*

contact email: *eberhar.leuner@lfi.bayern.de*

criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 8:

provider institute: *Obere Fischereibehörde*
contact name: *Dr. Chr. Köhler*
contact email: *fischerei.rp.da@t-online.de*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 9:

provider institute: *Dr. ChrisLeibnitz-Institut f. Gewässerökologie und Binnenfischerei*
contact name: *Dr. Christian Wolter*
contact email: *wolter@igb-berlin.de*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria
other/additional criteria: *Data cannot be used in publication.*

provider 10:

provider institute: *University of Hohenheim*
contact name: *Jurgen Böhmer*
contact email: *boehmer@uni-hohenheim.de*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 11:

provider institute: *Landesforschungsanstalt für Landwirtschaft und Fis*
contact name: *Dr. R. Lemcke*
contact email: *LfA-Fisch@web.de*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 12:

provider institute: *Niedersächsisches Landesamt für Ökologie*
contact name: *Michael Kämmereit*
contact email: *Michael.Kaemmereit@NLOE.Niedersachsen.de*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 13:

provider institute: *Landesanstalt f. Ökologie*
contact name: *Dr. H. Klinger*
contact email: *heiner.klinger@loebf.nrw.de*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 14:

provider institute: *Ministerium für Umwelt und Forsten*
contact name: *Dr. T. Brenner*
contact email:
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 15:

provider institute: *Amt für ländliche Räume Kiel*
contact name: *Martin Momme*
contact email: *martin.momme@fischerei.alr-kiel.landsh.de*

provider 16:

provider institute: *Universität Hamburg*
contact name: *Rüdiger Neukamm*

contact email: *rneukamm@uni-hamburg.de*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 17:

provider institute: *University of Barcelona*
contact name: *Adolf de Sostoa*
contact email: *sostoa@bio.ub.es*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 18:

provider institute: *University of Lyon1*
contact name: *Nicolas Roset*
contact email: *nicolas.roset@univ-lyon1.fr*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 19:

provider institute: *National Center for Marine Research*
contact name: *Stamatis Zogaris*
contact email: *Zogaris@ncmr.gr*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 20:

provider institute: *University of Vilnius*
contact name: *Tomas Virbickas*
contact email: *tvirbickas@takas.lt*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 21:

provider institute: *University of Vilnius*
contact name: *Vytautas Kesminas*
contact email: *v.kesminas@takas.lt*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 22:

provider institute: *RIVO*
contact name: *Erwin Winter*
contact email: *ERWIN@RIVO.DLO.NL*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 23:

provider institute: *University of Wroca?w*
contact name: *Jan Kotusz*
contact email: *kotusz@biol.uni.wroc.pl*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 24:

provider institute: *University of Rzeszów*
contact name: *Krzysztof Kuku?a*
contact email: *kkukula@univ.rzeszow.pl*
criteria for using the data in a publication/scientific analysis:

Other/Additional criteria

provider 25:

provider institute: *Int. Centre for Ecol. Polish Acad. Sci.*
contact name: *Ma?gorzata ?api?ska*
contact email: *malapi@biol.uni.lodz.pl*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 26:

provider institute: *University of ?ód?*
contact name: *Miros?aw Przybylski*
contact email: *mprzybyl@biol.uni.lodz.pl*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 27:

provider institute: *Inland Fishery Institute*
contact name: *Piotr Debowski*
contact email: *pdebow@infish.com.pl*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 28:

provider institute: *Inst. Inland Fisheries Olsztyn*
contact name: *Wies?aw Wi?niewolski*
contact email: *irs@warman.com.pl*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 29:

provider institute: *Instituto Superior de Agronomia*
contact name: *Joao Oliveira*
contact email: *joliveira@isa.utl.pt*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 30:

provider institute: *National Board of Fisheries*
contact name: *Erik Degerman*
contact email: *erik.degerman@fiskeriverket.se*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 31:

provider institute: *Environment Agency*
contact name: *Robin Burrough*
contact email: *robin.burrough@environment-agency.gov.uk*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria

provider 32:

provider institute: *Hull University*
contact name: *Richard Noble*
contact email: *R.A.Noble@hull.ac.uk*
criteria for using the data in a publication/scientific analysis:
Other/Additional criteria
comments: *IHG/BOKU was project partner of EFi+ and is allowed to use the data for*

analysis and publications. other partners/institutions must ask the data providers of the database if the data can be used.

citation of this dataset:

author(s): *FAME Consortium*

title and journal (name, number, pages):

FIDES. Development, Evaluation and Implementation of a standardised Fish-based Assessment Method for the Ecological Status of European Rivers. <http://fame.boku.ac.at/index.htm>

year: *2005*

citation of the metadata:

comments:

IHG/BOKU was project partner of EFI+ and is allowed to use the data for analysis and publications. other partners/institutions must ask the data providers of the database if the data can be used.

General data specifications

regional coverage of the dataset:

spatial extent of the dataset: *continental*

continents: *Europe*

spatial extent (bounding coordinates):

southernmost latitude [°]: *36,21527778*

northernmost latitude [°]: *68,38472222*

westernmost longitude [°]: *-9,45916667*

easternmost longitude [°]: *28,11527778*

minimum altitude: *0 metres*

maximum altitude: *1950 metres*

countries: *Europe: Austria, Belgium, France, Germany, Greece, Lithuania, Netherlands, Poland, Portugal, Spain, Sweden, United Kingdom*

Site specifications

coordinate system/grid data: *latitude/longitude, format: DD*

datum (e.g. WGS84): *WGS84*

grid data available: *no*

other site classification parameters:

Huet Zonation

site coding available: *yes*

alphanumeric

example: *UK-33*

number of sites: *>1000*

exact number of sites: *15183*

Climate and environmental data

climate related data:

available per: *site*
 spatial resolution of the data (if not catchment/site related):
1 km

available parameters:
mean annual temperature January, July

environmental data:

available parameters per catchment: *catchment size*
 available parameters per catchment: *catchment geology*
 available parameters per catchment: *catchment land cover/land use*
 available parameters per catchment: *presence of barriers/dams/reservoirs (fragmentation)*
 available parameters per catchment: *hydrological regime/flow regime*

available parameters per site: *distance to source*
 available parameters per site: *distance to mouth*
 available parameters per site: *stream order (according to Strahler)*
 available parameters per site: *slope*
 available parameters per site: *altitude*
 available parameters per site: *hydrological regime/flow regime*
 available parameters per site: *maximum depth*
 available parameters per site: *wetted width*
 available parameters per site: *substrate composition*

physico-chemical data:

Array, Array
 other physico-chemical parameters *Salinity_site*
Toxic_acidification_site
Nutrients_organic_input_site

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

stressors influencing the sites:

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication	no	no		
hydromorphological degradation	no	no		
acidification	no	no		
organic pollution	no	no		
toxic stress	no	no		
general degradation	no	no		
hydrologic stress (e.g. impoundment, flow velocity reduction, hydropeaking, water abstraction, flow velocity increase, etc.)	no	no		

Biological data

biological data origin:

specify project:	<i>general compilation,</i>
specify method:	<i>data provided by partner institutions</i>
organism group addressed:	<i>fish</i>

Sample specifications/sample resolution

fish:

sample information:

covered timeframe:

year from - to: *1955 - 2002*

historical data: *yes*

season: *spring, summer, autumn, winter*

temporal resolution/frequency of sampling:

per day

time series data:

no

taxonomic resolution:

percentage of species level data: *100*

taxonomic coding:

taxalist according to: *FAME Project*

sample specifications:

replicate samples: *no*

number of samples: *78560*

specification of method(s) used for sampling and sorting:

electro fishing

sample type (e.g. habitat specific samples, composite samples etc.):

composite samples

comments:

info on taxalist

http://fame.boku.ac.at/downloads/D1_2_typology_and%20species_classification.pdf

Other specifications

GIS layers, shape files related to the dataset:

species distribution

catchments, river-sub-basins

environmental variables (freshwater or terrestrial)

climatic variables (current and predictions)

availability of photos:

no

availability of maps:

no

quality control procedures:

quality control protocols and comments:

http://fame.boku.ac.at/downloads/D8_2_FIDESinputManual.pdf

http://fame.boku.ac.at/downloads/D4_6_metrics_and_sampling_procedure.pdf