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:

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technical contact person: Andreas Melcher
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scientific contact person: Stefan Schmutz
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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:
number: multiple

provider 1:
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Other/Additional criteria

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  other/additional criteria: Data cannot be used in publication.

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Dataset: Fish Database of European Streams

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Dataset: Fish Database of European Streams

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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
Dataset: Fish Database of European Streams

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

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: 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:
  site coding available: yes
    example: UK-33
  number of sites: >1000
    exact number of sites: 15183
Dataset: Fish Database of European Streams

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:
- 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:

<table>
<thead>
<tr>
<th>stressor</th>
<th>restored sites available</th>
<th>data before/after restoration available</th>
<th>stressor gradient available</th>
<th>comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>eutrophication</td>
<td>no</td>
<td>no</td>
<td></td>
<td></td>
</tr>
<tr>
<td>hydromorphological degradation</td>
<td>no</td>
<td>no</td>
<td></td>
<td></td>
</tr>
<tr>
<td>acidification</td>
<td>no</td>
<td>no</td>
<td></td>
<td></td>
</tr>
<tr>
<td>organic pollution</td>
<td>no</td>
<td>no</td>
<td></td>
<td></td>
</tr>
<tr>
<td>toxic stress</td>
<td>no</td>
<td>no</td>
<td></td>
<td></td>
</tr>
<tr>
<td>general degradation</td>
<td>no</td>
<td>no</td>
<td></td>
<td></td>
</tr>
<tr>
<td>hydrologic stress (e.g. impoundment, flow velocity reduction, hydropasking, water abstraction, flow velocity increase, etc.)</td>
<td>no</td>
<td>no</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Dataset: Fish Database of European Streams

Biological data

biological data origin:
  specify project: general compilation,
  specify method: data provided by partner institutions
organism group addressed: fish
Sample specifications/sample resolution

**fish:**

**sample information:**
- covered timeframe: 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 [link]

[link]
Dataset: Fish Database of European Streams

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/D4_6_metrics_and_sampling_procedure.pdf