



## Metadata

# Macroinvertebrate Data BOKU

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### General information

**name of the dataset:**

full name of the dataset: *Macroinvertebrate Data BOKU*  
dataset short name: *MiD-BOKU*

**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:

*point data of EPT species throughout Austria including environmental information & geographical coordinates; source: diploma thesis data from the database of the working group "Benthic Ecology & Ecological Status Assessment", University of Natural Resources and Life Sciences, Vienna; the dataset contains 1210 points of occurrence*

**science keywords according to [GCMD](#):**

topic: *Biosphere, Biological Classification*

keywords: *benthic macroinvertebrates, EPT, rivers, Austria*

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

*Biota, Environment, Inland Waters*

## Technical and administrative specifications

<b>data format:</b>	<i>special software versions</i>
others/details:	<i>Ecoprof</i>
<b>operating system:</b>	<i>all Windows systems</i>
<b>data language:</b>	<i>German</i>
<b>current access level:</b>	<i>internal</i>
currently available through <a href="#">GBIF</a> :	<i>no</i>
exchange planned:	<i>no</i>
comments:	<i>exchange with GBIF only via BioFresh</i>
<b>update level:</b>	<i>continuously updated</i>
<b>documentation:</b>	
type:	<i>manual, internal description</i>
language:	<i>German</i>

### Do you plan to publish the data on the Freshwater Biodiversity data portal:

media for data delivery: *e-mail*

### contact details:

#### metadata contact person:

first, last name: *Astrid Schmidt-Kloiber*  
phone: *+43 1 47654 5225*  
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institution: *BOKU - University of Natural Resources and Life Sciences*  
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country: *AT*  
web address: *<http://www.wau.boku.ac.at/ihg.html>*

#### technical contact person:

first, last name: *Robert Vogl*  
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#### scientific contact person:

first, last name: *Wolfram Graf*  
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email: *wolfram.graf@boku.ac.at*

## Intellectual property rights and citation

~~dataset publisher~~ is already published *BioFresh*

### 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:  
*Other/Additional criteria*  
other/additional criteria: *Data provider must be informed of publication 45 days in advance and can object to the use of the dataset within 30 days. Data must be publicly acknowledged and cited correctly.*

### citation of this dataset:

author(s): *BioFresh (data publisher), Working Group Benthic Ecology & Ecological Quality Assessment, IHG-BOKU Vienna (publisher)*  
title: *Macroinvertebrate Data BOKU. Published on <http://data.freshwaterbiodiversity.eu>, accessed on [date].*  
year: *2013*  
doi (if applicable): *<http://dx.doi.org/10.13148/bf37>*

### citation of the metadata:

**comments:** *Data from several diploma/phD thesis; for exact citation please contact: [astrid.schmidt-kloiber@boku.ac.at](mailto:astrid.schmidt-kloiber@boku.ac.at)*

## General data specifications

### regional coverage of the dataset:

scale of the dataset: *national*  
continents: *Europe*

### spatial extend (bounding coordinates):

southernmost latitude [°]: *46.26*  
northernmost latitude [°]: *49.12*  
westernmost longitude [°]: *9.2*  
easternmost longitude [°]: *17.34*  
countries: *Europe: Austria*

## **Site specifications**

**coordinate system/grid data:**

## Climate and environmental data

**climate related data:** *no data available*

**environmental data:** *no parameter data per catchment available*

*no parameter data per site available*

comments: *some parameter available, but not for all datasets*

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## **Biological data**

**biological data origin:**

specify project:

*from sampling*

*diploma thesis from working group*

organism group addressed:

*macro-invertebrates (Ephemeroptera, Plecoptera, Trichoptera)*

## Sample specifications/sample resolution

### macro-invertebrates:

#### sample information:

covered timeframe:

year from - to: 1991 - 2009

historical data: no

palaeo data: no

season: spring, summer, autumn, winter

time series data: no

**taxonomic resolution:** species

percentage of species level data: 100

#### taxonomic coding:

taxalist according to: *Fauna Aquatica Austriaca (Moog [Ed.] 1995, 2002)*

**sample specifications:** presence/absence

replicate samples: no

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

*Sampling: Multi Habitat Sampling (MHS; Moog 2004); Airlift (Pehofer 1998), Surber Sampler, qualitative samples*

*Sample processing (sorting) according to Aqem Manual, 2002; Ofenböck et al. 2010*

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

*Multi Habitat Sampling, partly habitat specific samples (e.g. microhabitat: mesolithal)*

specific sample location (e.g. littoral, profundal, transect, shoreline, hyporheic zone, etc.):

*various (e.g. transect, microhabitat)*

other important sample related informations:

*Most of the species were recorded in quantitative or qualitative manner, but only presence/absence data were submitted to BioFresh.*

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## Other specifications

### GIS layers, shapes related to the dataset:

*no data available*

### availability of photos:

*yes*

### quality control procedures:

Were any quality control procedures applied to your dataset?

*yes*

quality control protocols and comments:

*quality control of species by taxonomic experts; Ephemeroptera: Patrick Leitner; Plecoptera/Trichoptera: Wolfram Graf*