



## Metadata

### UBA project database (Germany)

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#### General information

**name of the dataset:**

full name of the dataset: *UBA project database (Germany)*

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

short description of the dataset/summary:

*collection of sites with both biological and abiotic information*  
*- biological data covers all quality elements (macroinvertebrates, macrophytes, diatoms, other benthic algae, fish, and phytoplankton)*  
*- abiotic data comprises hydromorphological info (Gewässerstrukturkartierung), physico-chemical info, and information about landcovering in catchment area*  
*primary aim was to acquire complete site information (complete set of environmental data and data from all organism groups), but finally the datasets turned out to be quite fragmentary*

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

topic: *Biosphere, Terrestrial Hydrosphere*

keywords: *BQE, macroinvertebrates, macrophytes, diatoms, benthic algae, fish, phytoplankton, hydromorphological info*

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

*Biota, Environment, Inland Waters*

## Technical and administrative specifications

**data format:** *Access*  
**operating system:** *Win XP*  
**current access level:** *restricted access*  
others/details: *data access only after permission by data owner (federal states of Germany)*  
currently available through [GBIF](#): *no*  
exchange planned: *no*  
**update level:** *continuously updated*  
**documentation:**  
others/details: *no documentation*

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

**contact details:**

metadata contact person:

first, last name: *Veronica Dahm*  
email: *veronica.dahm@uni-due.de*  
institution: *Universität Duisburg-Essen, Faculty of Biology, Aquatic Ecology*  
address: *Universitätsstrasse 5*  
postal code, city: *45141 Essen*  
country: *Germany*  
web address: *http://www.uni-due.de/aquatic\_ecology/*

technical contact person:

first, last name: *Veronica Dahm*  
email: *veronica.dahm@uni-due.de*

scientific contact person:

first, last name: *Daniel Hering*  
email: *daniel.hering@uni-due.de*

**comments:** *[Metadata were harvested from the WISER metadatabase (http://www.wiser.eu/results/meta-database/details.php?id1=62&id2=30) by the BioFresh team.]*

## Intellectual property rights and citation

(if the database is already published):

**dataset creator (data compiler):**

**data contributors to/owners of this dataset:**

*single*

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

*Other/Additional criteria*

other/additional criteria:

*In general, data owners do NOT! grant the right to publish ecological status information on individual stations/sites (i.e. specific geographic locations). This applies to all uses.*

**citation of this dataset:**

title:

*<http://www.wiser.eu> - Water Bodies in Europe: Integrative Systems to assess Ecological status and Recovery (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: *national*  
continents: *Europe*

### spatial extend (bounding coordinates):

southernmost latitude [°]: *47.194687*  
northernmost latitude [°]: *54.928307*  
westernmost longitude [°]: *5.886719*  
easternmost longitude [°]: *15.057617*  
minimum altitude: *-4 metres*  
maximum altitude: *2962 metres*  
countries: *Europe: Germany*

## Site specifications

### coordinate system/grid data:

datum (e.g. WGS84): *RW3567820*

site coding available: *yes*

*alphanumerical*

example: *no fix number of digits; e.g.: 2031, ROTPAA\_2, Wea*

### number of sites:

*>1000*

exact number of sites: *1750*

### comments:

*size typology based on catchment area: size of catchment area not available; numbers identified out of stream types; due to the fact that some stream types covering more than one size class total number of sites is more than 1750*

*numbers of sites per WFD criteria (geology): some types (430 sites) combine both calcareous and siliceous geology - classification of sites is not possible; 2 stream types (10 sites) can not be assigned to geology; rest of sites without info about stream type*

## Climate and environmental data

climate related data:

environmental data:

physico-chemistry data:

*total P, ortho P, total dissolved P, nitrate, nitrite, total N, ammonium, hardness, alkalinity, water temperature, pH, conductivity, chlorophyll, colour, euphotic depth*

other physico-chemical parameters: TOC (85%), DOC (30%), Mg (55%)

stressors influencing the sites:

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication	no	no		total phosphat, nitrate, ammonium
hydromorphological degradation	no	no		current diversity; substrate diversity; valuable structures in river bed and ban
acidification	no	no		acid class (assessed by macro-invertebrates)
organic pollution	no	no		saprobic index
general degradation	no	no		areas with urbanization, industrialization and traffic; areas with agriculture a

## Biological data

### biological data origin:

specify method: *general compilation*  
*regional authorities of federal states*

organism group addressed: *fish, macro-invertebrates, phytoplankton, phytobenthos, (benthic) diatoms, macroalgae, macrophytes, angiosperms*

## Sample specifications/sample resolution

### fish:

#### sample information:

covered timeframe:

year from - to: 2004 - 2007

#### taxonomic resolution:

species

percentage of species level data: 100

#### taxonomic coding:

coding system: DV Number

#### sample specifications:

quantitative (abundance data)

replicate samples: no

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

electro fishing

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### macro-invertebrates:

#### sample information:

covered timeframe:

year from - to: 2002 - 2007

season: spring, summer

#### taxonomic resolution:

genus, species

percentage of species level data: 54

comments: taxonomic level: percentages refer to total taxa abundances

#### taxonomic coding:

coding system: ID AQEM, DV

#### sample specifications:

quantitative (abundance data)

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

composite samples (e.g. MHS)

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### phytoplankton:

#### sample information:

covered timeframe:

year from - to: 2004 - 2007

#### taxonomic resolution:

genus, species

percentage of species level data: 45

comments: taxonomic level: percentages refer to total taxa abundances

#### taxonomic coding:

coding system: DV Number

#### sample specifications:

quantitative (abundance data)

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### phytobenthos:

#### sample information:

covered timeframe:

year from - to: 2003 - 2006

#### taxonomic resolution:

genus, species

percentage of species level data: 93

comments: taxonomic level: percentages refer to both total taxa abundances and abundance classes (macrophytes and benthic diatoms/phytobenthos are treated together)

#### taxonomic coding:

coding system: DV Number

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**sample specifications:** *quantitative (abundance data)*  
replicate samples: *no*

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(benthic) diatoms:

**sample information:**

covered timeframe:

year from - to: *2003 - 2006*

**taxonomic resolution:** *genus, species*

percentage of species level data: *93*

comments: *taxonomic level: percentages refer to both total taxa abundances and abundance classes (macrophytes and benthic diatoms/phytobenthos are treated together)*

**taxonomic coding:**

coding system: *DV Number*

**sample specifications:** *quantitative (abundance data)*

replicate samples: *no*

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macroalgae:

**sample information:**

covered timeframe:

year from - to: *2004 - 2007*

**taxonomic resolution:** *genus, species*

percentage of species level data: *93*

comments: *taxonomic level: percentages refer to total taxa abundances*

**taxonomic coding:**

coding system: *DV Number*

**sample specifications:** *semi-quantitative*

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macrophytes:

**sample information:**

covered timeframe:

year from - to: *2004 - 2007*

**taxonomic resolution:** *genus, species*

percentage of species level data: *93*

comments: *taxonomic level: percentages refer to total taxa abundances*

**taxonomic coding:**

coding system: *DV Number*

**sample specifications:** *semi-quantitative*

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angiosperms:

**sample information:**

covered timeframe:

year from - to: *2004 - 2007*

**taxonomic resolution:** *genus, species*

percentage of species level data: *93*

comments: *taxonomic level: percentages refer to total taxa abundances*

**taxonomic coding:**

coding system: *DV Number*

**sample specifications:** *semi-quantitative*

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## Other specifications

availability of photos: *no*  
availability of maps: *no*  
quality control procedures: