



Metadata

RIVA-HABEX database



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: *RIVA-HABEX database*

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

data type: *point data/observation data*

science keywords according to [GCMD](#):

topic: *Biosphere*

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

Environment

Technical and administrative specifications

data format: *Access*
operating system: *Win NT*
data language: *German*
current access level: *internal*
update level: *continuously updated*
documentation:
 type: *scientific paper, internal description*
 language: *German*

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

media for data delivery: *others/specify*
others/details: *requested information will be handed out in excel format, size according to the required data*

contact details:

metadata contact person:
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Intellectual property rights and citation

(if the database is already published):

dataset creator (data compiler):

contact email: <http://www.ufz.de/index.php?en=1625>

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 offered co-authorship for publications using this dataset. Data must be publicly acknowledged and cited correctly.

citation of this dataset:

author(s):

citation depends on the requested data

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset:	<i>regional</i>
continents:	<i>Europe</i>
countries:	<i>Europe: Germany</i>
comments:	<i>Saxony-Anhalt (Land/state)</i>

Site specifications

coordinate system/grid data:	<i>projected, local</i>
datum (e.g. WGS84):	<i>DHDN12</i>
grid data available:	<i>no</i>
number of sites:	<i><100</i>
exact number of sites:	<i>60</i>

Climate and environmental data

climate related data:

available per: *per site*
 spatial resolution of the data (if not catchment/site related):
others/specify
 others: *UFZ-fieldstation, nearest DWD-wether station*
 available parameters:
mean annual temperature January, July
1998-1999 source data, DWD
mean annual temperature for each month
1998-1999 source data, DWD
minimal, maximal and mean winter and summer temperatures
1998-1999 source data, DWD
daily air temperatures
1998-1999 source data, DWD
mean annual precipitation
1998-1999 source data, DWD
winter and summer precipitation
1998-1999 source data, DWD

environmental data:

available parameters per site: *information on floodplain inundation duration*
data source: in the field
 available parameters per site: *information on groundwater level and amplitude*
data source: in the field
 available parameters per site: *information on riparian vegetation (incl. information on modification)*
data source: in the field
 available parameters per site: *information on embankment (incl. information on modification)*
data source: meta data - see comment
 available parameters per site: *information on channel form (incl. information on modification)*
data source: meta data - see comment
 available parameters per site: *information on cross section (incl. information on modification)*
data source: meta data - see comment
 available parameters per site: *river length*
data source: meta data - see comment
 available parameters per site: *distance to source*
data source: meta data - see comment
 available parameters per site: *distance to mouth*
data source: meta data - see comment
 available parameters per site: *altitude*
data source: in the field
 available parameters per site: *hydrological regime/flow regime*
data source: meta data
 available parameters per site: *discharge*
official Data of the GERman Waterways
 available parameters per site: *substrate composition*
data source: in the field
 available parameters per site: *vadose zone thickness (groundwater)*
data source: in the field
physico-chemistry data: *total P, TOC (total organic carbon), pH, substrate*
 other physico-chemical parameters: *Soil parameters!*

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

per sample

stressors influencing the sites:

reference sites available: *no*

Biological data

biological data origin: *from sampling*
specify project: *RIVA-HABEX project*

organism group addressed: *terrestrial invertebrates*
comments: *Vascular plants, molluscs and ground beetles*

Sample specifications/sample resolution

terrestrial invertebrates:

sample information:

covered timeframe:

year from - to: 1998 - 2006

historical data: no

season: spring, autumn

temporal resolution/frequency of sampling:

see comment

time series data: yes

comments:

Molluscs sampling:

Foessler, F., Deichner, O., Schmidt, H. and Castella, E. (2006), Suitability of Molluscs as Bioindicators for Meadow- and Flood-Channels of the Elbe-Floodplains. *International Review of Hydrobiology*, 91: 314-325.

Carabid sampling:

GERISCH, M., SCHANOWSKI, A., FIGURA, W., GERKEN, B., DZIOCK, F. & K. HENLE (2006): Carabid Beetles (Coleoptera, Carabidae) as Indicators of Hydrological Site Conditions in Floodplain Grasslands. In: DZIOCK, F., F. FOECKLER, M. SCHOLZ, S. STAB, K. HENLE (eds.): Bioindication and functional response in floodplain systems - based on the results of the project RIVA. ? *International Review of Hydrobiology*. 91(4): 326-340.

Vegetation sampling:

Amarell, U. & Klotz, S. (2009): Struktur und Dynamik charakteristischer Pflanzenpopulationen und Vegetationstypen mitteldeutscher Auen als Indikatoren der Standortbedingungen. In: SCHOLZ, M., HENLE, K., DZIOCK, F., STAB, S. & F. FOECKLER (Hrsg.): Entwicklung von Indikationssystemen am Beispiel der Elbaue. Ulmer Verlag, Stuttgart: 171-202.

GLAESER, J., KONJUCHOW, F. & M. SCHOLZ (2009): Auswirkungen des Elbehochwassers 2002 auf die Auengrünlandvegetation an der Mittleren Elbe. In: *Forschung und Management im Biosphärenreservat Mittel-Elbe. Naturschutz im Land Sachsen Anhalt*. 46. Jg., Sonderheft 2009/1: 86-95.

taxonomic resolution:

percentage of species level data: 95

comments:

taxalist according:

Molluscs: FALKNER (1990), GLÖER (2002), FALKNER (1990), GLÖER (2002), GLÖER & MEIER-BROOK (2003) and KÖRNIG (2001)

Carabids:

MÜLLER-MOTZFELD (2004)

Vascular plants:

WISSKIRCHEN & HAEUPLER (1998)

taxonomic coding:

taxalist according to: see above

sample specifications:

quantitative (abundance data)

replicate samples: yes

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

see above sampling information

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

plot specific sample

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

floodplain meadows including depressions and oxbow lakes, stratified random design

Other specifications

GIS layers, shapes related to the dataset:

others (specify): *others/specify
vegetation data drom 1998-2006 and from 2009-
elevation, mophology
Soil,*

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:

*all species groups were processed by experienced experts, determination
references are given in the specific articles.*