



Metadata

BioMatrix

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Exported from the BioFresh data portal, <http://data.freshwaterbiodiversity.eu>

Visit the BioFresh metadatabase query tool, <http://data.freshwaterbiodiversity.eu/metadb/metaDBQry>

Visit the BioFresh metadatabase full text search, <http://data.freshwaterbiodiversity.eu/metadb/metaDBfts>

General information

name of the database:

full name of the database: *BioMatrix*

database short name: *BioMatrix*

type of database ([more information](#)): *others*

specify: *species distributions, Red List status and traits*

short description of the database/summary:

The BioMatrix holds species distributions mapped to HydroBASINS, species IUCN Red List status and ecological and life history traits. The BioMatrix will be periodically updated as new data become available.

science keywords according to [GCMD](#):

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

Biota

Technical and administrative specifications

data format: *csv*
data language: *English*
current availability: *web (public)*
web address (URL): *http://www.iucn.org/species_BioFresh*
currently available through [GBIF](#): *no*
exchange planned: *no*
update level: *continuously updated*
documentation:
type: *manual*
language: *English*

Do you plan to publish the data on the BioFresh data portal:

contact details:

metadata contact person:

first, last name: *Savrina Carrizo*
email: *savrina.carrizo@iucn.org*
institution: *International Union for Conservation of Nature*
address: *219c Huntingdon Rd*
postal code, city: *CB3 0DL Cambridge*
country: *England*

technical contact person:

first, last name: *Savrina Carrizo*
email: *savrina.carrizo@iucn.org*

scientific contact person:

first, last name: *Savrina Carrizo*
email: *savrina.carrizo@iucn.org*

Intellectual property rights and citation

(if the database is already published):

database creator (data compiler):

contact email: *savrina.carrizo@iucn.org*

data contributors to/owners of this database:

single

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

Other/Additional criteria

Other/Additional criteria:

Data cannot be used for commercial purposes. The IUCN Red List Terms & Conditions of Use is bundled with the data download.

citation of this database:

author(s):

Citation depends on the aspect of the BioMatrix used. Please contact savrina.carrizo@iucn.org for details.

year:

May 2013

citation of the metadata:

comments:

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General data specifications

regional coverage of the database:

scale of the database: *global*

Site specifications

coordinate system/grid data:

datum (e.g. WGS84): WGS84

grid data available: no

comments: *The spatial framework of the BioMatrix is HydroBASINS (Lehner 2012). HydroBASINS represent freshwater catchments across the globe and are available at 12 different resolutions. The species distributions are mapped to the most appropriate resolution based on the level of knowledge about the distribution.*

number of sites: >1000

Climate and environmental data

climate related data: *no data available*

environmental data:

available parameters per catchment: *catchment size*
data source: *HydroBASINS (Lehner 2012)*

available parameters per catchment: *hydrological regime/flow regime*
data source: *HydroBASINS (Lehner 2012)*

no parameter data per site available

physico-chemistry data: *no data available*

Biological data

biological data origin:

specify method: *general compilation*
organism group addressed: *The IUCN Red List of Threatened Species assessment method*
mammals, fish, macro invertebrates (Mollusca, Crayfish, Odonata),
macrophytes
comments: *More organism groups will be added to the BioMatrix as the data become available*

Sample specifications/sample resolution

mammals:

sample information:

time series data: *no*

taxonomic resolution: *species*

taxonomic coding:

sample specifications:

fish:

sample information:

historical data: *no*

palaeo data: *no*

taxonomic resolution: *species*

taxonomic coding:

sample specifications:

macro invertebrates:

sample information:

historical data: *no*

palaeo data: *no*

time series data: *no*

taxonomic resolution: *species*

taxonomic coding:

sample specifications:

macrophytes:

sample information:

taxonomic resolution:

taxonomic coding:

sample specifications:

Other specifications

GIS layers, shapes related to the database:

species distribution

catchments, river-sub-basins

others (specify):

hydrological information (as HydroBASINS)

availability of photos:

no

availability of maps:

yes

quality control procedures:

Were any quality control procedures applied to your database?

yes

quality control protocols and comments:

The IUCN Red List of Threatened Species assessment procedures were applied