



# Metadata

## ECOSTRIMED database



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### General information

**name of the dataset:**

full name of the dataset: *ECOSTRIMED database*

dataset short name: *ECOBILL*

**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:

*This database contains information on macroinvertebrates and environmental characteristics of several sampling sites from the Barcelona province collected during a long-term period.*

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

topic: *Biosphere, Biological Classification*

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

*Inland Waters*

## Technical and administrative specifications

**data format:** *Access*  
**operating system:** *Win XP*  
**data language:** *others/specify*  
specify: *catalan*  
**current access level:** *web (public)*  
web address (URL): *http://ecobill.diba.cat/*  
others/details: *http://www.ecostrimed.net*  
**update level:** *continuously updated*  
**documentation:**  
type: *others/specify*  
language: *others/specify*  
others/details: *Several books, CDs and webpage (ecobill.diba.cat)*  
**Do you plan to publish the data on the Freshwater Biodiversity data portal:**  
media for data delivery: *online internet (HTTP)*  
web address: *http://ecobill.diba.cat/index.php?page=access*  
**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 name: *Nuria Bonada*  
contact email: *bonada@ub.edu*

### 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:

#### citation of the metadata:

author(s): *Prat et al.*

title and journal (name, number, pages):

*Programa de la Qualitat Ecologica dels Rius de la Provincia de Barcelona.*

year: *1994-2009*

## General data specifications

### regional coverage of the dataset:

scale of the dataset: *regional*

continents: *Europe*

### spatial extend (bounding coordinates):

southernmost latitude [°]: *41.268026488933174*

northernmost latitude [°]: *42.26046618127335*

westernmost longitude [°]: *1.5042367692777832*

easternmost longitude [°]: *2.775522139742676*

maximum altitude: *Europe: Spain*

**comments:** *data from 1979 and 1980 are also available but with another sampling methodology*

## Site specifications

**coordinate system/grid data:** *projected, UTM*  
datum (e.g. WGS84): *WGS84*  
grid data available: *no*

**other site classification parameters:**

*river typologies of the "Catalan Water Agency" (Agencia Catalana de l'Aigua) based on Geology, Altitude, Catchment Area and Hydrologic Regime of the sites*

**site coding:**

site coding available: *yes*  
*alphanumerical*  
number of digits: *4*  
example: *Te02*

**number of sites:** *100 - 1000*  
exact number of sites: *111*

## Climate and environmental data

- climate related data:** *no data available*
- environmental data:** *no parameter data per catchment available*
- available parameters per site: *information on riparian vegetation (incl. information on modification)*  
*tot\_data\_source*
- available parameters per site: *information on embankment (incl. information on modification)*  
*tot\_data\_source*
- available parameters per site: *information on channel form (incl. information on modification)*  
*tot\_data\_source*
- available parameters per site: *distance to source*  
*est\_data\_source / LOCALIZACII 1/2 / DIST*
- available parameters per site: *stream order (according to Strahler)*  
*est\_data\_source / LOCALIZACII 1/2 / Ordre*
- available parameters per site: *slope*  
*est\_data\_source / LOCALIZACII 1/2 / PEND*
- available parameters per site: *altitude*  
*est\_data\_source / LOCALIZACII 1/2 / ALT*
- available parameters per site: *substrate composition*  
*tot\_data\_source*
- available parameters per site: *information on instream habitat (incl. information on modification)*  
*tot\_data\_source*
- physico-chemistry data:** *nitrate, nitrite, ammonium, sulphate, chloride, TOC (total organic carbon), oxygen content, water temperature, pH, conductivity, suspended solids*
- other physico-chemical parameters *phosphates (mg P-PO4)*
- availability of physico-chemical data, if there is more than one sample per site:  
*per sample*

### stressors influencing the sites:

reference sites available: *no*

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication				

## Biological data

**biological data origin:**

specify project:

*from sampling*

*Programa de qualitat ecològica dels rius de la província de Barcelona*

**organism group addressed:**

*macro-invertebrates (Mollusca, Crayfish, Crabs, Ephemeroptera, Odonata, Plecoptera, Trichoptera, Chironomidae)*

## Sample specifications/sample resolution

### macro-invertebrates:

#### **sample information:**

covered timeframe:

year from - to: *1994 - 2009*

historical data: *yes*

palaeo data: *no*

season: *spring, summer*

temporal resolution/frequency of sampling:

*per year*

time series data: *yes*

**taxonomic resolution:** *family*

#### **taxonomic coding:**

taxalist according to: *Fauna Europaea*

coding system: *numerical (1 to 186)*

example: *Aeshnidae = 1*

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

replicate samples: *no*

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

*Kick Sampling (GUADALMED PROTOCOL)*

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

*composite samples*

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

*multihabitat*

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## Other specifications

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

*hydrological information (as HydroSHEDS)*

*catchments, river-sub-basins*

*land use*

*dams/reservoirs/barriers*

*protected areas*

others (specify):

*at the webpage: [ecobill.diba.cat](http://ecobill.diba.cat) there are a GIS cartografic application.*

**availability of photos:**

*yes*

**availability of maps:**

*yes*

**quality control procedures:**

Were any quality control procedures applied to your dataset?

*no*