



## Metadata

# Mediterranean freshwater invertebrates

SUPPORTED BY



Exported from the Freshwater Biodiversity Data Portal, <http://data.freshwaterbiodiversity.eu>  
Visit the Freshwater Metadatabase, [http://data.freshwaterbiodiversity.eu/metadb/about\\_metadata](http://data.freshwaterbiodiversity.eu/metadb/about_metadata)

### General information

#### name of the dataset:

full name of the dataset: *Mediterranean freshwater invertebrates*

dataset short name: *MED-DB*

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

specify: *Macroinvertebrate genera in Med-Basin rivers*

data type: *point data/observation data*

short description of the dataset/summary:

*A metadata database on macroinvertebrate genera collected in Mediterranean Basin rivers. General environmental information per site is also provided together with biological traits from Tachet et al. (2002)*

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

topic: *Biosphere, Biological Classification*

keywords: *macroinvertebrates*

*rivers*

*mediterranean*

*environmental*

*traits*

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

*Biota, Environment, Inland Waters*

## Technical and administrative specifications

**data format:** *Excel*  
**operating system:** *Apple Mac*  
**data language:** *English*  
**current access level:** *internal*  
others/details: *Database hold by Núria Bonada (bonada@ub.edu)*  
**update level:** *completed*  
**documentation:**  
type: *scientific paper*  
language: *English*

### 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: *Núria Bonada*  
phone: *+34 934031375*  
email: *bonada@ub.edu*  
province, state: *Catalonia*  
web address: *www.nuriabonada.com*

technical contact person:  
first, last name: *Núria Bonada*  
phone: *+34 934031375*  
email: *bonada@ub.edu*

scientific contact person:  
first, last name: *Núria Bonada*  
phone: *+34 934031375*  
email: *bonada@ub.edu*

## **Intellectual property rights and citation**

(if the database is already published):

### **dataset creator (data compiler):**

contact name: *UB (Núria 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:

*This is a metadatabase. People who provided data (from reports, PhD,...) were contacted few years ago and agreed to upload the database on a portal and to provide free access of the whole database to people who contributed with data. To make the database completely public (even for those who did not contribute with data) the data providers need to be contacted first.*

### **citation of this dataset:**

author(s): *BONADA, N.; DOLÉDEC, S. & STATZNER, B.(submitted)*

title: *Spatial autocorrelation patterns of stream invertebrates: exogenous and endogenous factors.*

*Database partly included in:*

*STATZNER, B.; BONADA, N. & DOLÉDEC, S. (2007). Conservation of taxonomic and biological trait diversity of European stream macroinvertebrate communities: a case for a collective public database. Biodiversity and Conservation, 16: 3609-3632.*

### **citation of the metadata:**

## **General data specifications**

### **regional coverage of the dataset:**

scale of the dataset: *continental*

continents: *Africa, Asia, Europe*

### **spatial extend (bounding coordinates):**

southernmost latitude [°]: *31*

northernmost latitude [°]: *44*

westernmost longitude [°]: *-8*

easternmost longitude [°]: *36*

countries: *Africa: Algeria, Morocco*

*Asia: Israel, Lebanon, Turkey*

*Europe: France, Greece, Italy, Portugal, Spain*

**comments:** *The metadatabase include records from references from 1968 to 2004*

## **Site specifications**

<b>coordinate system/grid data:</b>	<i>latitude/longitude, format: DD</i>
grid data available:	<i>no</i>
<b>other site classification parameters:</b>	<i>Permanent or temporary</i>
<b>site coding:</b>	<i>alphanumerical</i>
number of digits:	<i>4</i>
example:	<i>Mo36 (Mo refers to Morocco, 36 to the site number)</i>
<b>number of sites:</b>	<i>100 - 1000</i>
exact number of sites:	<i>488</i>
<b>comments:</b>	<i>Some sites are coded with only 3 digits (eg. Sp8)</i>

## **Climate and environmental data**

### **climate related data:**

available per: *per site*

available parameters:

*Rainfall regions*

comments: *Rainfall regions according to: Littmann (2000). Theor.Appl.Climatol., 66:161-171.*

### **environmental data:**

*no parameter data per catchment available*

available parameters per site:

*altitude*

available parameters per site:

~~Categorical~~ *Categorical*

*hydrological regime/flow regime*

available parameters per site:

~~Categorical~~ *Categorical*

*wetted width*

### **physico-chemistry data:**

*conductivity*

other physico-chemical parameters *Categorical*

### **stressors influencing the sites:**

reference sites available: *yes*

*no stressor data available*

comments:

*All are reference sites*

## **Biological data**

### **biological data origin:**

specify method: *general compilation*  
*data entered from publications*

organism group addressed: *macro-invertebrates (Mollusca, Crayfish, Ephemeroptera, Odonata, Plecoptera, Trichoptera)*

## **Sample specifications/sample resolution**

### **macro-invertebrates:**

#### **sample information:**

covered timeframe:

year from - to: 1968 - 2004

historical data: no

palaeo data: no

season: *spring, summer, autumn, winter*

temporal resolution/frequency of sampling:

*per year*

time series data: no

comments: *The database includes information about how many seasons were sampled in the original source and if records are separated by season in the original source.*

#### **taxonomic resolution:**

*genus*

comments: *Only are included those Dipterans that can be identified at genus level according to Tachet et al. (2002)*

#### **taxonomic coding:**

taxalist according to: *Tachet et al. (2002)*

coding system: *No coding system*

#### **sample specifications:**

*presence/absence*

replicate samples: no

number of samples: 488

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

*The database includes information about the general method used for sampling.*

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

*The database includes information about the main sampled habitats in the original source and if records are separated by habitats in the original source.*

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

*The database includes information about the main sampled facies in the original source and if records are separated by facies in the original source.*

---



## **Other specifications**

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

*no data available*

**availability of photos:** *no*

**availability of maps:** *no*

### **quality control procedures:**

Were any quality control procedures applied to your dataset?

*yes*

quality control protocols and comments:

*Quality control was done by Núria Bonada according to Tachet database for taxonomy. Only reference sites of each source were selected depending on information provided in the source (biotic indexes, physico-chemical characteristics)*