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
Dataset: Mediterranean freshwater invertebrates

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:** Núria Bonada
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  - **email:** bonada@ub.edu
Dataset: Mediterranean freshwater invertebrates

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:


citation of the metadata:
Dataset: Mediterranean freshwater invertebrates

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
Dataset: Mediterranean freshwater invertebrates

Site specifications

coordinate system/grid data: latitude/longitude, format: DD
grid data available: no
other site classification parameters:

Permanent or temporary

site coding: alphanumerical
number of digits: 4
example: Mo36 (Mo refers to Morocco, 36 to the site number)

number of sites: 100 - 1000
exact number of sites: 488
comments: Some sites are coded with only 3 digits (eg. Sp8)
### Climate and environmental data

#### Climate related data:
- **available per:** per site
- **available parameters:** Rainfall regions

#### Environmental data:
- **available parameters per site:**
  - altitude
  - hydrological regime/flow regime
  - wetted width
- **physico-chemistry data:**
  - conductivity
- **other physico-chemical parameters:**

#### Stressors influencing the sites:
- **reference sites available:** yes
  - no stressor data available
- **comments:** All are reference sites
Biological data

biological data origin: general compilation
specify method: 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:
  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:
    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)