



Metadata

Mediterranean Iberian Trichoptera database

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General information

name of the dataset:

full name of the dataset: *Mediterranean Iberian Trichoptera database*

dataset short name: *Trichoptera_MEDRivers*

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

specify: *Trichoptera in Mediterranean Iberian rivers*

data type: *point data/observation data*

short description of the dataset/summary:

Trichoptera species per site together with environmental variables collected in the Iberian Mediterranean climate rivers.

science keywords according to [GCMD](#):

topic: *Biosphere*

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: *Data holder is Núria Bonada (bonada@ub.edu)*

Do you plan to publish the data on the Freshwater Biodiversity Data Portal:

media for data delivery: *e-mail*
update level: *completed*
documentation:
type: *scientific paper*
language: *English*

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:
scientific contact person:

Intellectual property rights and citation

(if the dataset is already published):

dataset creator (data compiler):

contact name: *UB (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:

author(s): *Bonada, N.; Zamora-Muñoz, c.; Rieradevall, M. & Prat, N.*

title: *Ecological and historical filters constraining spatial caddisfly distribution in Mediterranean rivers. Freshwater Biology, 50: 781-797.*

year: *2005*

citation of the metadata:

General data specifications

regional coverage of the dataset:

scale of the dataset: *national*

continents: *Europe*

spatial extent (bounding coordinates):

southernmost latitude [°]: *4070150*

northernmost latitude [°]: *4679600*

westernmost longitude [°]: *393100*

easternmost longitude [°]: *737500*

minimum altitude: *20 metres*

maximum altitude: *1860 metres*

countries: *Europe: Spain*

comments: *Latitude and longitude are in UTM*

Site specifications

coordinate system/grid data: *projected, UTM*

grid data available: *no*

other site classification parameters:

Note that organic refers here to sedimentary.

site coding: *alphanumerical*

number of digits: *4*

example: *AL10 (code referring to the basin and site number*

number of sites: *100 - 1000*

exact number of sites: *115*

comments: *Some codes have only 3 digits (e.g. SE7)*

Climate and environmental data

climate related data:

environmental data:

available parameters per catchment: *catchment size*

available parameters per catchment: *catchment geology*

available parameters per site: *information on riparian vegetation (incl. information on modification)*

QBR data source:

available parameters per site: *stream order (according to Strahler)*

available parameters per site: *altitude*

available parameters per site: *discharge*

available parameters per site: *wetted width*

available parameters per site: *information on instream habitat (incl. information on modification)*

IHF data source:

comments: *QBR:*

MUNNICH, A.; PRAT, N.; SOLÍS, C.; BONADA, N. & RIERADEVALL, M. (2003). A simplified method to assess ecological quality of riparian environment in rivers and streams: QBR index. Aquatic Conservation: Marine and Freshwater Ecosystems, 13: 147-163.

IHF:

PARDO, I.; ALVAREZ, M.; CASAS, J.; MORENO, J. L.; VIVAS, S.; BONADA, N.; ALBA-TERCEDOR, J.; JAIMEZ-CUILLAR, P.; MOYÍ, G.; PRAT, N., ROBLES, S.; SUÍREZ, M. L.; TORO, M., VIDAL-ABARCA, M. R. (2002). El hábitat de los ríos mediterráneos. Diseño de un índice de diversidad de hábitat. Limnetica, 21(3-4): 115-133

physico-chemistry data:

ortho P, nitrate, nitrite, ammonium, sulphate, chloride, alkalinity, oxygen content, water temperature, pH, conductivity, suspended solids

other physico-chemical parameters: *Oxygen content as ppm and %*

stressors influencing the sites:

reference sites available: *yes*

stressor	restored sites available	data before/after restoration available	stressor gradient available	comments
eutrophication	no	no		
hydromorphological degradation	no	no		
organic pollution	no	no		
general degradation	no	no		
hydrologic stress (e.g. impoundment, flow velocity reduction, hydropeaking, water abstraction, flow velocity increase)	no	no		
socio-economic stress	no	no		

Biological data

biological data origin: *from sampling*
specify project: *GUADALMED project (www.ecostrimed.net)*

organism group addressed: *macro-invertebrates (Trichoptera)*

Sample specifications/sample resolution

macro-invertebrates:

sample information:

covered timeframe:

year from - to: 1999 - 1999

historical data: no

palaeo data: no

season: spring, summer, autumn, winter

time series data: no

taxonomic resolution: species

other taxonomic levels: lineages within genus

percentage of species level data: 95

taxonomic coding:

taxalist according to: Several Trichoptera keys, books and papers

coding system: International

example: *Hydropsyche instabilis*

sample specifications: semi-quantitative

replicate samples: no

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

Guadalmed methodology combined with adult sampling

For Guadalmed protocol see (in Spanish):

Jiç½IMEZ-CUiç½LLAR, P.; VIVAS, S.; BONADA, N.; ROBLES, S.; MELLADO, A.; ĩç½LVAREZ, M.; AVILĭç½S, J.; CASAS, J.; ORTEGA, M.; PARDO, I.; PRAT, N.; RIERADEVALL, M.; Siç½INZ-CANTERO, C.; Siç½NCHEZ-ORTEGA, A.; SUĭç½REZ, M. L.; TORO, M.; VIDAL-ABARCA, M. R.; ZAMORA-MUIç½OZ, C. & ALBA-TERCEDOR, J. (2002). Protocolo GUADALMED (PRECE). Limnetica, 21(3-4): 187-204.

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

Multihabitat sampling

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

Multihabitat sampling

other important sample related informations:

Abundance range: "1" for 1-3 individuals, "2" for 4-10 individuals, "3" for 10-100 individuals and "4" for >100 individuals

Other specifications

availability of photos: *yes*

availability of maps: *yes*

quality control procedures:

Were any quality control procedures applied to your dataset?

no