



## Metadata

# Distribution Atlas of European Trichoptera

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### General information

#### name of the dataset:

full name of the dataset: *Distribution Atlas of European Trichoptera*  
dataset short name: *DAET*

#### type of dataset ([more information](#)):

species distribution data  
data type: *point data/observation data*  
short description of the dataset/summary:

*The Distribution Atlas of European Trichoptera (DAET) database is a collection of about 561.000 occurrence data of caddisflies containing 413.000 datasets of adult Trichoptera from all over Europe (and a few records from Asia and Africa). The data compilation process was initiated by the EU funded BioFresh project ([www.freshwaterbiodiversity.eu](http://www.freshwaterbiodiversity.eu)) through its contingency fund. With the end of BioFresh 2014 work on the database continued, mostly focusing on filling the distribution gaps and an extensive quality control. Occurrence data in the dataset were provided by 74 data holders based on records from more than 400 different caddisfly collectors. Additional data (about 15.000) were gained through literature evaluation. All data will be made available through the Freshwater Biodiversity Data Portal ([www.freshwaterplatform.eu](http://www.freshwaterplatform.eu)) in the first half of 2016.*

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

topic: *Biosphere*

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

*Biota, Environment, Inland Waters, Location*

#### INSPIRE keywords according to [GEMET](#):

## Technical and administrative specifications

**data format:** *Access*  
**operating system:** *Win 7*  
**data language:** *English*  
**current access level:** *restricted access*

currently available through [GBIF](#): *no*

exchange planned: *yes*

data in data repository: *no*

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

*yes*

**update level:** *others/specify*

others/details: *For the future a yearly update is planned.*

**documentation:**

type: *internal description*

language: *English*

**contact details:**

metadata contact person:

first, last name: *Astrid Schmidt-Kloiber*

phone: *++431476545225*

email: *astrid.schmidt-kloiber@boku.ac.at*

institution: *BOKU - University of Natural Resources and Life Sciences Vienna, IHG*

address: *Max Emanuel-Strasse 17*

postal code, city: *1180 Vienna*

province, state: *Vienna*

country: *Austria*

web address: *http://www.wau.boku.ac.at/ihg.html?&L=1*

technical contact person:

first, last name: *Peter J. Neu*

phone: *++4965169962120*

email: *peter.neu@trichoptera-rp.de*

scientific contact person:

first, last name: *Wolfram Graf*

phone: *++431476545221*

email: *wolfram.graf@boku.ac.at*

## **Intellectual property rights and citation**

(if the dataset is already published):

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

contact name: *Astrid Schmidt-Kloiber*  
contact email: *astrid.schmidt-kloiber@boku.ac.at*  
contact institution: *BOKU - University of Natural Resources and Life Sciences Vienna, IHG*

### **data contributors to/owners of this dataset:**

*single*

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

*The dataset needs to be requested from dataset creator with specific conditions of use.*

other/additional criteria:

*Currently the dataset still needs to be requested from the dataset creator as quality control is ongoing. All data will be made publicly available on the Freshwater Biodiversity Data Portal in the first half of 2016. Note that 74 different persons and institutions have contributed occurrence records to the DAET dataset. Their work has to be acknowledged accordingly whenever data are used.*

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

author(s): *Graf, W., Neu, P. J. & Schmidt-Kloiber, A. (eds.)*  
title and journal (name, number, pages):  
*Distribution Atlas of European Trichoptera (DAET)*  
year: *2015*  
version (if applicable): *24/11/2015*

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

author(s): *Schmidt-Kloiber A., Neu P. J. & Graf W.*  
title and journal (name, number, pages):  
*Metadata to the Distribution Atlas of European Trichoptera. Freshwater Metadata Journal 9: 1-6*  
year: *2015*  
doi (if applicable): *<https://doi.org/10.15504/fmj.2015.9>*

## General data specifications

### regional coverage of the dataset:

spatial extent of the dataset: *continental*

continents: *Africa, Asia, Europe*

### spatial extent (bounding coordinates):

southernmost latitude [°]: *27*

northernmost latitude [°]: *75*

westernmost longitude [°]: *-28*

easternmost longitude [°]: *70*

minimum altitude: *-216 metres*

maximum altitude: *3797 metres*

countries: *Africa: Algeria, Egypt, Morocco, Tunisia*

*Asia: Afghanistan, Armenia, Azerbaijan, Cyprus, Georgia, Iran, Iraq, Israel, Jordan, Kazakhstan, Kuwait, Lebanon, Pakistan, Syria, Tajikistan, Turkey, Turkmenistan, Uzbekistan*

*Europe: Albania, Andorra, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia, San Marino, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom, Kosovo*

comments: *The Chechen Republic is included within the Russian Federation.*

*Only few data are available from Africa and Asia, the main scope of the dataset is Europe.*

**comments:** *Additional freshwater types: springs, hygropetric habitats.*

## Site specifications

<b>coordinate system/grid data:</b>	<i>latitude/longitude, format: DD</i>
datum (e.g. WGS84):	<i>WGS84</i>
grid data available:	<i>yes</i>
comments:	<i>Some data were only available as grid data (UTM, Gauss Krüger, BN Grid etc.). These data were transferred to WGS84 with unavoidable blur, depending on the specified grid.</i>
site coding available:	<i>no</i>
<b>number of sites:</b>	<i>&gt;1000</i>
exact number of sites:	<i>55791</i>
<b>comments:</b>	<i>In total the dataset contains 561.187 occurrence records from 55.791 different locations; 413.229 records are adult Trichoptera records formed of 1.708 species (including sub-species).</i>

## **Biological data**

**biological data origin:**

specify project:

*from sampling,*

*Data provided by Trichoptera experts from their own collections.*

*general compilation,*

specify method:

*Data available from literature and museum collections.*

organism group addressed:

*macro-invertebrates*

comments:

*Occurrence records were contributed by 74 data providers. About 15.000 additional data were generated through literature review.*

## Sample resolution

### macro-invertebrates:

#### **taxonomic resolution:**

other taxonomic levels: *sub-species*

percentage of species level data: 100

comments: *All species are taxonomically linked: order, family, (sub-family), genus, species, (sub-species). Synonyms are included.  
Percentage of species level data includes the sub-species level.*

#### **taxonomic coding:**

taxalist according to: *www.freshwaterecology.info*

citation: *Graf, W., Murphy, J., Dahl, J., Zamora-Muñoz, C., López-Rodríguez M.J. & Schmidt-Kloiber., A.: Dataset "Trichoptera". www.freshwaterecology.info - the taxa and autecology database for freshwater organisms, version 6.0 (accessed on 25.11.2015).*

*Graf, W., Murphy, J., Dahl, J., Zamora-Muñoz, C. & López-Rodríguez, M.J. (2008): Distribution and Ecological Preferences of European Freshwater Organisms. Volume 1 - Trichoptera. Edited by Schmidt-Kloiber, A. & D. Hering. Pensoft Publishers (Sofia-Moscow). 388pp.*

coding system: *ID\_fwe*

example: 12345

comments: *The taxalist of freshwaterecology.info was amended with additional species/sub-species according to recent publications. These taxa will be included in freshwaterecology.info.*

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## Other specifications

### GIS layers, shape files related to the dataset:

others/details: *species distribution*  
*political borders layer*  
*water lines/water areas layer*  
*altitudinal layer*  
*ecoregions according to Illies layer*

**availability of photos:** *no*

**availability of maps:** *yes*

### quality control procedures:

Were any quality control procedures applied to your dataset?

*yes*

quality control protocols and comments:

- *The underlying taxalist was checked by the [freshwaterecology.info](http://freshwaterecology.info) Trichoptera experts and currently holds 1708 species (including sub-species).*
- *Distribution data were in a first step quality controlled through GIS routines. In a second step the occurrence records were quality checked by experts, namely Hans Malicky and Wolfram Graf.*
- *To avoid quality issues regarding the identification of larvae, the focus of the dataset is on adult data.*
- *In cases of recent differentiations to sub-species older data may contain ambiguous species.*