

# Global Caridean Shrimp Fauna

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## Keywords

Decapoda, Caridea, Palaemonidae, Atyidae, distribution

## Short description of the dataset/summary

The dataset consists of all geographical records of freshwater shrimps, prior to 2013. Records have various levels of accuracy.

## General information

dataset entry ID: BF\_CF7  
**name of the dataset:**  
 full name of the dataset: Global Caridean Shrimp Fauna  
**type of dataset:** species/taxa database (e.g. red list database)  
 data type: shape files  
**science keywords according to GCMD:**  
 topic: Biological Classification  
 keywords: Decapoda, Caridea, freshwater shrimps, distribution  
**ISO topic category according to ISO 19115:**  
 Biota

## Technical and administrative specifications

**data format:** Access  
**operating system:** Win98  
**data language:** English  
**current access level:** web (public)  
 web address (URL): <http://data.freshwaterbiodiversity.eu/>  
 currently available through GBIF: no

exchange planned: yes  
 data in data repository: yes  
 specify repository: Data are available through the Freshwater Biodiversity Data Portal (<http://data.freshwaterbiodiversity.eu>) and will therefore be harvested through GBIF.

**update level:** completed

**documentation:**

type: scientific paper  
 language: English

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

already published through BioFresh  
 media for data delivery: online internet (HTTP)  
 web address: <http://data.freshwaterbiodiversity.eu>

**contact details:**

**metadata contact person:**

first, last name: Sammy De Grave  
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## Intellectual property rights and citation

**dataset publisher:** BioFresh

**dataset creator (data compiler):**

contact name: Sammy De Grave  
 contact email: sammy.degrave@oum.ox.ac.uk  
 contact institution: Oxford University Museum of Natural History

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

criteria for using this dataset: single  
 The dataset is publicly available (data portal, data archive) and can be used without restrictions, but dataset creator/data contributors must be informed prior to publication. Data must be acknowledged and cited correctly.

**citation of this dataset:**

author(s): BioFresh (publisher), Sammy De Grave (provider)  
 title: Global Freshwater Shrimp Assessment. Published on <http://data.freshwaterbiodiversity.eu>, accessed on [date].  
 year: 2013  
 doi: <http://dx.doi.org/10.13148/bfcf7>

**citation of the metadata:**

author(s): De Grave S  
 title and journal (name, number, pages): Global Caridean Shrimp Fauna. Freshwater Metadata Journal 12: 1-5  
 year: 2016  
 doi: <http://dx.doi.org/10.15504/fmj.2016.12>

**dataset related references:**

## reference 1:

author(s): De Grave, S., Smith, K. G., Adeler, N. A., Allen, D. J., Alvarez, F., Anker, A., Cai, Y., Carizo, S. F., Klotz, W., Mantelatto, F. L., Page, T. J., Shy, J.-Y., Villalobos, J. L. & Wowor, D.  
 title: Dead shrimp blues: A global assessment of extinction risk in freshwater shrimps (Crustacea: Decapoda: Caridea). PLoS ONE 10(3): e0120198.  
 year: 2015  
 doi: [10.1371/journal.pone.0120198](https://doi.org/10.1371/journal.pone.0120198)

**General data specifications****regional coverage of the dataset:**

scale of the dataset: global

**spatial extent (bounding coordinates):**

southernmost latitude [°]: -47.292  
 northernmost latitude [°]: 54.688  
 westernmost longitude [°]: -176.895  
 easternmost longitude [°]: 180  
 minimum altitude: 0 metres  
 maximum altitude: 1000 metres  
 countries:

Africa: Algeria, Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Democratic Republic of Congo, Republic of Congo, Côte d'Ivoire, Egypt, Equatorial Guinea, Gabon, Ghana, Guinea, Kenya, Liberia, Libya, Madagascar, Malawi, Mali, Mauritius, Morocco, Mozambique, Nigeria, Réunion, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Uganda, Zambia, Zimbabwe, Somaliland  
 North America: Antigua and Barbuda, Belize, Costa Rica, Cuba, Dominica, Dominican Republic, El Salvador, Guadeloupe, Guatemala, Haiti, Honduras, Jamaica, Martinique, Mexico, Nicaragua, Panama, Puerto Rico, Trinidad and Tobago, Turks and Caicos Islands, United States  
 South America: Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Suriname, Uruguay, Venezuela  
 Asia: Bangladesh, Brunei, Cambodia, China, Cyprus, Hong Kong, India, Indonesia, Iran, Iraq, Israel, Japan, Jordan, Democratic People's Republic of Korea, Republic of Korea, Lebanon, Malaysia, Myanmar (Burma), Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Syria, Thailand, Turkey, Vietnam, Taiwan  
 Europe: Austria, Belgium, Bosnia and Herzegovina, France, Germany, Greece, Italy, Macedonia, Netherlands, Portugal, Spain, Vatican City  
 Oceania: Australia, Fiji, New Zealand, Palau, Papua New Guinea, Solomon Islands

**world climatic regions according to [Köppen](#):**

Group A: tropical/megathermal climates  
 Group B: dry (arid and semiarid) climates  
 Group C: temperate/mesothermal climates  
 Group D: continental/microthermal climate  
 Group H: alpine climates

**ecosystem type:** rivers, lakes/ponds, wetlands, groundwater, general freshwater

**covered timeframe:** 1960 - 2013

**Site specifications**

**coordinate system/grid data:** latitude/longitude, format: DMS

datum (e.g. WGS84): WGS84

site coding available: no

**number of sites:** >1000

**Biological data**

**biological data origin:** from sampling

specify project: various projects

organism group addressed: macro-invertebrates

comments: Caridean shrimps

**Species related information**

**macro-invertebrates:**

**taxonomic resolution:**

level: genus, species

**taxonomic coding:**

taxalist according to: De Grave & Fransen (2011)

reference(s): De Grave, S. & Fransen, C. H. J. M. (2011). Carideorum Catalogus: The recent species of the dendrobranchiate, stenopodidean, procarididean and caridean shrimps (Crustacea: Decapoda). Zoologische Mededelingen 85, 195-589.

**availability of specific ecological/biological information:**

biogeographical data, habitat preferences, Red List status/categories

**Other specifications**

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

species distribution

**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:

Several people checked and contributed spatial records, mapping was done at IUCN and checked by the team.

## Acknowledgements

Neil Cumberlidge and Will Darwall are acknowledged for securing the funding to carry out the assessments and workshops. Peter Ng and his staff kindly hosted the Asian workshop in Singapore. Numerous colleagues provided additional information on species, especially Christopher Rogers and Shane Ahyong. Louisa Wood assisted with source compilations. Chong Chen, Hsi-Te Shih and Swee Hee Tan provided invaluable assistance with translations and source compilation of Chinese references. This work was supported through the "Biodiversity of Freshwater Ecosystems: Trends, Pressures and Conservation Priorities (BioFresh)" FP7 project funded by the European Union (Contract No. 226874). The views expressed herein can in no way be taken to reflect the official opinion of the European Union.

## References

- De Grave, S. & Fransen, C. H. J. M., 2011. Carideorum Catalogus: The recent species of the dendrobranchiate, stenopodidean, procarididean and caridean shrimps (Crustacea: Decapoda). *Zoologische Mededelingen* 85, 195-589.
- De Grave, S., Smith, K. G., Adeler, N. A., Allen, D. J., Alvarez, F., Anker, A., Cai, Y., Carizo, S. F., Klotz, W., Mantelatto, F. L., Page, T. J., Shy, J.-Y., Villalobos, J. L. & Wowor, D., 2015. Dead shrimp blues: A global assessment of extinction risk in freshwater shrimps (Crustacea: Decapoda: Caridea). *PLoS ONE* 10(3): e0120198.  
<http://dx.doi.org/10.1371/journal.pone.0120198>