



# Metadata

## Plankton net

SUPPORTED BY



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### General information

#### name of the dataset:

full name of the dataset: *Plankton net*  
dataset short name: *PLANKTON\*NET*

**type of dataset ([more information](#)):** *species distribution data*

specify: *including image database*  
data type: *point data/observation data*

short description of the dataset/summary:

*The PLANKTON\*NET data provider at the Alfred Wegener Institute for Polar and Marine Research is an open access repository for plankton-related information. It covers all types of phytoplankton and zooplankton from marine and freshwater areas. PLANKTON\*NET's greatest strength is its comprehensiveness as for the different taxa image information as well as taxonomic descriptions can be archived.*

*PLANKTON\*NET also contains a glossary with accompanying images to illustrate the term definitions. PLANKTON\*NET therefore presents a vital tool for the preservation of historic data sets as well as the archival of current research results.*

*Because interoperability with international biodiversity data providers (e.g. GBIF) is one of our aims, the architecture behind the new planktonnet@awi repository is observation centric and allows for multiple assignment of assets (images, references, animations, etc) to any given observation. In addition, images can be grouped in sets and/or assigned tags to satisfy user-specific needs. Sets (and respective images) of relevance to the scientific community and/or general public have been assigned a persistent digital object identifier (DOI) for the purpose of long-term preservation (e.g. set "Plankton\*Net celebrates 50 years of Roman Treaties", handle: 10013/de.awi.planktonnet.set.495)*

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

topic: *Biosphere, Biological Classification*  
keywords: *plankton, phytoplankton, zooplankton, marine, freshwater, photographs, taxonomic data, occurrence data*

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

*Biota, Inland Waters*

## Technical and administrative specifications

**data format:** *MySQL*  
**operating system:** *all operating systems*  
**data language:** *English*  
**current access level:** *web (public)*  
web address (URL): *http://planktonnet.awi.de/*  
currently available through [GBIF](#): *yes*  
**update level:** *continuously updated*  
**documentation:**  
type: *manual*  
language: *English*

### Do you plan to publish the data on the Freshwater Biodiversity data portal:

media for data delivery: *online internet (HTTP)*  
web address: *http://planktonnet.awi.de/*

### contact details:

metadata contact person:  
first, last name: *Alexandra Kraberg*  
phone: *+49(4725)819-3237*  
email: *Alexandra.Kraberg@awi.de*  
institution: *Alfred Wegener Institute*  
address: *Kurpromenade (Building C-33)*  
postal code, city: *D-27498 Helgoland*  
country: *Germany*  
web address: *http://www.awi-bremerhaven.de/*

technical contact person:  
scientific contact person:  
first, last name: *Alexandra Kraberg*

## Intellectual property rights and citation

(if the database is already published):

**dataset creator (data compiler):**

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

*single*

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

*Other/Additional criteria*

other/additional criteria:

*Individual planktonnet datasets have different copyright statements, according to the wishes of the data providers.*

*However we aim to publish all data under a non-commercial creative commons licence. All images published under a ccl can be used provided that planktonnet and the image author are cited.*

*For books that have a scientific or educational remit we can also allow use of our images. Decisions are made by the administrators on a one by one basis.*

**citation of this dataset:**

title:

*Plankton\*Net Data Provider at the Alfred Wegener Insitute for Polar and Marine Research. hdl: 10013/de.awi.planktonnet. (Version \*\*).*

year:

*year of access*

version (if applicable):

*version number from website*

**citation of the metadata:**

## **General data specifications**

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

scale of the dataset: *global*

continents: *North America, South America, Asia, Europe, Oceania*

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

southernmost latitude [°]: *-35.0434611*

northernmost latitude [°]: *79.20430943*

westernmost longitude [°]: *-171.672363*

easternmost longitude [°]: *168.214375*

countries: *North America: Mexico, United States*

*South America: Brazil, Chile*

*Asia: Hong Kong, Indonesia, Israel*

*Europe: France, Germany, Italy, Poland, Portugal, United Kingdom*

*Oceania: Australia, Samoa*

### **comments:**

*Database covers both marine and freshwater plankton species.*

## **Site specifications**

<b>coordinate system/grid data:</b>	<i>latitude/longitude, format: DMS</i>
comments:	<i>Data can be recorded in pn using DMS, DM as well as DD format.</i>
<b>number of sites:</b>	<i>100 - 1000</i>
exact number of sites:	<i>200</i>

## **Biological data**

**biological data origin:**

specify project:

*from sampling*

*different monitoring programmes and expeditions by AWI and external data providers*

organism group addressed:

*zooplankton (Cladocera), phytoplankton, (benthic) diatoms*

## Sample resolution

zooplankton:

**taxonomic resolution:** *species*

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**taxonomic coding:**

phytoplankton:

**taxonomic resolution:** *species*

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**taxonomic coding:**

(benthic) diatoms:

**taxonomic resolution:** *species*

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**taxonomic coding:**

## Other specifications

availability of photos:                   yes  
availability of maps:                    yes  
quality control procedures: