General information

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

type of dataset (more information):
  specify: species distribution data
  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 persistant 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
Dataset: Plankton net

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: Alexandra Kraberg
  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 planktonet 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 planktonet 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 Institute for Polar and Marine Research. hdl: 10013/de.awi.planktonnet. (Version **).

eyear: year of access

version (if applicable): version number from website

citation of the metadata:

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Dataset: Plankton net

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.
Dataset: Plankton net

Site specifications

coordinate system/grid data: latitude/longitude, format: DMS
comments: Data can be recorded in pn using DMS, DM as well as DD format.

number of sites:
  100 - 1000
exact number of sites: 200
Dataset: Plankton net

Biological data

biological data origin: from sampling
specify project: different monitoring programmes and expeditions by AWI and external data providers

organism group addressed: zooplankton (Cladocera), phytoplankton, (benthic) diatoms
<table>
<thead>
<tr>
<th>Dataset: Plankton net</th>
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**Sample resolution**

<table>
<thead>
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<th>zooplankton:</th>
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<td><strong>taxonomic resolution:</strong></td>
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<td><strong>taxonomic coding:</strong></td>
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### Other specifications

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<th>Specification</th>
<th>Availability</th>
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<td>availability of photos:</td>
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<td>availability of maps:</td>
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<tr>
<td>quality control procedures:</td>
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</tbody>
</table>

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