

# Making Northern Peracarida (Crustacea) visible through OBIS (Ocean Biogeographic Information System)

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No Peracarida records around Iceland in OBIS?!  
Please change that!!



## Collection of metadata

We used Peracarida sampling data from the IceAge (Icelandic marine animals: Genetic and Evolution) and BIOICE (Benthic invertebrates in Icelandic waters) cruises and also from a literature research

## Method

The metadata is transformed into an Excel file that at least includes:

1. **Event ID:** A unique ID created for the sampling event
2. **Occurrence ID:** A unique ID for that specific
3. **Scientific name and authorship**
4. **Scientific name ID:** Enables linkage to worms (marinespecies.org)
5. **Coordinates:** Location of where the sample was found
5. **Literature:** Literature reference of the data
6. **Measurement value and unit:** e.g. number of individuals found

More Information can be added e.g. salinity if needed



## Optional: Creation of station lists

If much data comes from the same sampling event e.g. stations on a cruise the creation of a station list is helpful. Water temperature, depth, coordinates and more can be included. The station list can be linked via event ID or station number to the dataset



European Ocean Biogeographic Information System

EurOBIS ([www.eurobis.org](http://www.eurobis.org)) is the European regional OBIS (Ocean Biogeographic Information System, [www.obis.org](http://www.obis.org)) node. European biogeographical data is addressed by EurOBIS and once made available through its website. Once the data procedures are finalised, OBIS will sync its database and harvest the data from EurOBIS and make it available on their website. The process is then repeated to reach GBIF. Any changes implemented on the EurOBIS managed data are replicated in OBIS and subsequently GBIF.



BIOICE station list  
(Benthic invertebrates in Icelandic waters)



IceAge station list  
(Icelandic marine Animals: Genetics and Evolution)

## Outlook

Datasets for Amphipods are in progress and Cumaceans are on their way!

## What to do with the uploaded data?

Use the OBIS mapper tool, draw conclusion about environmental needs of a species or simply have a larger dataset available for downstream research



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