

Agreement to Archive

with NCEI

for Arctic Marine Biodiversity Observation Network datasets

updated: Feb 11, 2025

This document constitutes agreement between the dataset creator or custodian (the “Provider”), defined below, and Axiom Data Science, to archive the dataset described below with DataONE (the “Archive”).

1. As the deliverer of this dataset, **GREBMEIER** (“Provider”), attests that they give permission to Axiom Data Science to submit, on their behalf, the Provider’s data and metadata for long-term preservation, and that the Provider has the responsibility to do so.
2. The dataset to be preserved currently exists in the Research Workspace organization "", in the AMBON - Benthic Macrofauna project. See below for dataset description.
3. To the extent of their knowledge, the Provider attests to the accuracy and completeness of the metadata record with regard to persons, organizations, and sources credited; description of the dataset content, spatial coverage and temporal coverage; and the status and update plans for the dataset.
4. The Provider understands and agrees that submissions comply with the data management plan as described in the **AMBON Data Management**:
5. Further, the Provider attests that there are no additional restrictions on the distribution or usage of the dataset beyond those described in the Use Limitations for this dataset: Any other restrictions are those listed below and agreed to by the Provider, their Funder(s), and Axiom Data Science. Additional Restrictions: none
6. Axiom Data Science represents that the data and metadata provided through the Research Workspace will be submitted in its current and agreed-to form without modification.
7. Once this dataset becomes published it becomes a public resource and is discoverable and accessible through the NCEI repository in perpetuity. Requested updates by the Provider to the archived project materials can be made with assistance from Axiom Data Science.

Dataset to be archived:

Dataset Title: Benthic macroinfaunal taxa, Arctic Marine Biodiversity Observing Network (AMBON) Chukchi Sea research cruise, August - September (2017)

Metadata <https://researchworkspace.com/project/234399/folders/44937921/metadata>

Description: This dataset contains benthic macroinfaunal population level from sediment samples collected at each station for the Arctic Marine Biodiversity Observing Network (AMBON) cruise in 2017 on the Norseman

II, identified by station number (#), Station name (Stn. Name), Date (mm/dd/yy), latitude (°N), longitude (°W), and station depth (m). The following macroinfaunal parameters were determined: abundance, wet weight biomass (gww/m²), dry weight biomass (gC/m²), and taxon type. The Pacific sector of the Arctic Ocean is experiencing major reductions in seasonal sea ice extent and increases in sea surface temperatures. One of the key uncertainties in this region is how the marine ecosystem will respond to seasonal shifts in the timing of spring sea ice retreat and/or delays in fall sea ice formation. Variations in upper ocean water hydrography, planktonic production, pelagic-benthic coupling and sediment carbon cycling are all influenced by sea ice and temperature change.

Files in this dataset:

AMBON2017_SPECIES_Macroinfauna_README.pdf (302.2 kB)

AMBON2017_SPECIES_Macroinfaunal_taxa.csv (789.5 kB)

AMBON2017-MacroinfaunaPublicationAgreement.pdf (44.8 kB)