

POLARSTERN cruise ANT-X/6

Plan ID ANT-X/6

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Plan Description Ice and animal observations during POLARSTERN cruise ANT-X/6.

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Data Collection

What data will you collect or create?

The numeric data will be saved as TAB-delimited TXT files (ASCII) as well as ZIP-archives and XLSX files. The chosen formats and software are suitable for longterm archiving. The area has not yet been researched, therefore no data for reuse exists.

How will the data be collected or created?

The data will be collected via underway cruise track measurements (CT). The files will be structured and named via cruise and project name. Version control - if necessary - will be realised with three digits (1.0.0).

Documentation and Metadata

What documentation and metadata will accompany the data?

The classification used will be discipline-specific: Aquatic Sciences and Fisheries and Oceanic Abstracts Classification Codes

- 1362 Ornithology – Geographical distribution
- 1372 Mammalogy – Geographical distribution
- 2144 Regional studies, expeditions and data reports
- 2150 Ice

The applied metadata standard will be repository-specific (according to Pangaea). In addition Darwin Core and ISO 19115 as discipline-specific standards will be used.

The documentation and metadata will be created during the data collection by the data curator of the project.

Ethics and Legal Compliance

How will you manage any ethical issues?

Does not apply.

How will you manage copyright and Intellectual Property Rights (IPR) issues?

Does not apply.

Storage and Backup

How will the data be stored and backed up during the research?

The data will be stored locally on the ship as well as directly backed up in the repository.

How will you manage access and security?

The data will be immediately saved and made available in Pangaea data repository. The raw data as well as the processed data will have no embargo period and are not sensitive.

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

All data generated during the cruise is of long-term value and should be preserved. The data is shared with the public.

What is the long-term preservation plan for the dataset?

The data will be long-term preserved in the discipline-specific repository Pangaea. The fee for preservation will be 300,00 Euro for each data upload.

Data Sharing

How will you share the data?

The data will be made available immediately after collection via Pangaea. The data will get a Digital Object Identifier (DOI) through data publication in Pangaea.

Are any restrictions on data sharing required?

The data will not be used exclusively. There will be no restrictions. A data sharing agreement will not be required.

Responsibilities and Resources**Who will be responsible for data management?**

The data curator in close cooperation with the principal investigators will be responsible for implementing the DMP and data management. Data ownership will be contractually clarified.

What resources will you require to deliver your plan?

The project needs a data curator for data description, metadata creation and upload within Pangaea. The data repository charges 300,00 Euro for the data upload. No hardware or software is required.