



Arctic Portal data and data management

Legacy

1. InterMap
2. Changing Permafrost in the Arctic and its Global Effects in the 21st Century (PAGE21)
3. Global Terrestrial Network for Permafrost (GTN-P)
4. Arctic Maritime & Aviation Transportation Infrastructure Initiative (AMATII)

Legacy Data Management

1. GTN-P & AMATII databases:

- PostgreSQL & PostGIS
- ISO19115 compliant metadata

2. Spatial data:

- Shapefiles & GeoTiff
- Geoserver

Current projects

1. China-Iceland Arctic Observatory
2. Arctic Renewable Energy Atlas (AREA)
3. Nunataryuk - Permafrost thaw and the changing Arctic coast, science for socioeconomic adaptation
4. Arctic Research Icebreaker Consortium (ARICE)
5. Pro-active Diving
6. EDU Arctic

Current data management

1. FAIR data (findable, accessible, interoperable and reusable).
2. Full ISO19115 compliance
3. Reusing accumulated data with modern technologies

Arctic Portal is involved into **POLDER** (Polar Data Discovery Enhancement Research) in order to improve the discoverability of polar science data

Future

1. **Arctic Statistics Initiative** aims to provide a comprehensive set of statistics on the Arctic to be utilized for making science-based decision-making
2. **N-Tech**: a geospatial data management system for retrieving, analyzing and visualizing Arctic-related datasets



**Thank you
for your attention!**