Arctic Spatial Data Infrastructure
Enabling Access to Arctic Location Based Information

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arctic-sdi.org
THE NATIONAL LAND SURVEY OF FINLAND

• Our organisation produces information, services and research about the Earth.

• Responsible for:
  • spatial data production and mapping
  • spatial data research and use
  • cadaster and land registry
OPEN DATA

• Topographic database
• Raster maps
• Elevation models
• Aerial photos
• Laser scanning data
• Geographic names
• Addresses
• Property boundaries and identifiers
Based on voluntary commitments by the National Mapping Agencies from 8 countries that border the Arctic Circle

USA, Canada, Russia, Iceland, Denmark, Sweden, Norway, Finland

There is a signed MoU towards cooperative development of an Arctic SDI.
The Arctic SDI is focused on:

- Open data standards and provision of authoritative data
- Understanding the needs and requirements of stakeholders
- Working with organizations to make their data available
- Information Management best practices (geospatial data lifecycle)
Data

• Ecosystem-based analysis requires seamless sharing of data across jurisdictions and organizations

  • Arctic SDI is providing shared tools and information management practices to Arctic stakeholders to break down silos
  • Arctic SDI brings together the National Mapping Agencies, trusted map data and geospatial data expertise
Data Resources

• Arctic Reference Basemap
• Pan-Arctic Digital Elevation Map
• Marine Data
  – Cooperation with Arctic Regional Marine Spatial Data Infrastructures Working Group of the International Hydrographic Organisation
• Gazetteer Database and Search
Provided Directly from the 8 Arctic National Mapping Agencies

Authoritative Reference Basemap

- Common Cartographic Specification
- A Trusted Source of Detailed Information
Time Series Visualization
arctic-sdi.org
geoportal.arctic-sdi.org
oskari.org