

Arctic Spatial Data Infrastructure (Arctic SDI)

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SUMMARY

Arctic Spatial Data Infrastructure (Arctic SDI)

<http://arctic-sdi.org/>

The aim of the Arctic SDI is to provide data and tools for monitoring and decision making on issues such as preventing climate change and extinction of rare species, as well as emergency response over the Arctic. Politicians, governments, policy makers, scientists, private enterprises and citizens in the Arctic Region will be provided with access to geographically related Arctic data, digital maps and tools.

The Arctic SDI is an infrastructure that provides a web portal with easy access to:

- geoportal for geospatial data viewing and discovery
- openly searchable metadata catalogue
- authoritative reference map as a Web Map Tile Service (WMTS)
- thematic data from various organizations operating within the Arctic Region
- easy-to-use tools for data dissemination

The Arctic Spatial Data Infrastructure is cooperation between the 8 National Mapping Agencies of Canada, Finland, Iceland, Norway, Russia, Sweden, USA and Denmark. It is based on a voluntary

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multilateral cooperation and focused on accessible authoritative geospatial reference data.

The Arctic SDI Geoportal is based on Oskari (<http://www.oskari.org>), which is an open source framework - originally developed in the National Land Survey of Finland - for browsing, sharing and analyzing of geographic information, utilizing in particular distributed spatial data infrastructures. The framework is used as a basis of the Arctic SDI Geoportal as well as a significant number of other geoportals, Web Gis applications and eGovernment services.

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