

# Make Arctic data Accessible and reusable

Roadmap to open and cost effective data management policy

2<sup>nd</sup> Arctic Biodiversity Congress 2018

arctic-sdi.org



Chairs: Tom Barry, CAFF Secretariat Peter Pouplier, Arctic SDI

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# Why the issue of data many the context of the Arctic

- Stakeholders needs to unce sha nature of data infrastructure in the state of t
- Stakeholders needs to understand roles and responsibilities





- The political demands fast read
- The public demands open and e

You need to share your data You need to leverage your data towards potential users ➤ Use standards and and API's – boot for the data and for ➤ When using reference data - Use authoritative sources

Make it possible for others to find, use, reuse data !





## How easy is it to

- Search and find data ?
- Distribute your data ?

Do we know our roles and respons Do we know what to ask for sector





- Use international standar and for sharing (distribut
- Metadata make it easy understand
- When using reference data and them data – find and use reliable automatic sources





# Will guidance and tools be

- On what standards to be fit
- Input to Term of References
- On reliable authorotative data source





We have asked the Arction Groups:

- Digitalized data
- Easy access to data in gen
- Easy access to specific data
- Data to be interoperable
- Guidance and tools





# The purpose of this ses

- Data Infrastructure for
- The infrastructure elem and Governance
- The services and role of





This session will also show ex

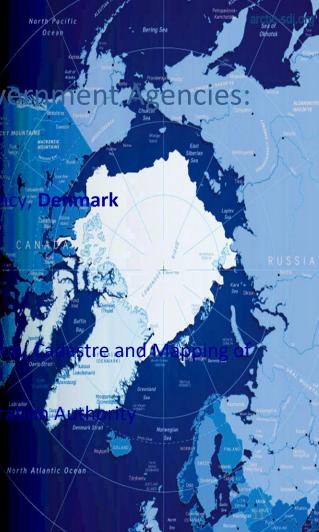
- The Arctic Geoportal reservices and tools (Arctic
- Data presentation and sha Arctic Biodiversity Data Se
- Data presentation and sha Global Biodiversity Information
- Arctic Marine Data as an





## Who is the Arctic SDI – Government vgencies

- National Resources Canada
- Agency for Data Supply and Efficient
- National Land Survey of Finland
- National Land Survey of Iceland
- Norwegian Mapping Authority
- Federal Service for State Registration
- Swedish Mapping and Land Registr
- United States Geological Survey





# **Arctic SDI**

- Board General Directors
- Partnering with Norwegian Per Polytytute and Il-Arctic Regional Hydrographic Commission
- Endorsed by Arctic Council Senior Arctic
- Reporting biannually to the Arctic Course





What is in the pipeline

Arctic Council Secretariat a Groups:

- New maps with administration borders
- Specific small scale projects with C Wetlands data and Earth Observation
- more Marine Data from IHO//





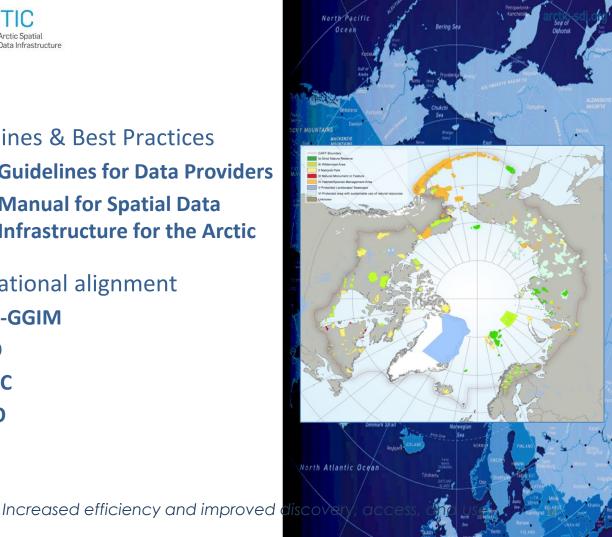
### **Guidelines & Best Practices**

- **Guidelines for Data Providers**
- **Manual for Spatial Data** • Infrastructure for the Arctic

## International alignment **UN-GGIM** ISO

OGC

IHO





GEOSPATIAL DATA - A TOOL FOR BETTER INFORMED DECISIONS AND MORE EFFICIENT ADMINISTRATION IN THE ARTIC

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Who and What is the Arctic SDI?

- 2015-2017 Biennial Report: Highlights from the US Chairmanship
- Arctic SDI Fact Sheet 2016

#### **Governing Documents**

- Signed Memorandum of Understanding
  - English, French, and Russian version
- Arctic SDI Governance v2.0

Arctic SDI Strategic Plan Documents

- Strategic Plan 2015-2020
- Implementation Plan
- Roadmap

#### Arctic Spatial Data Pilot

 Open Geospatial Consortium Spatial Data Pilot with data intensive scenario based videos and a Final Engineering Report

#### Pan-Arctic Digital Elevation Model

- ArcticDEM Arctic SDI Board
  Position Statement
  - Polar Geospatial Center
    ArcticDEM Documentation

#### Arctic SDI Documentation

#### SDI Manual for the Arctic with Glossary of Terms

- Guidance and information management good practices on commonly accepted SDI operational policies and standards.
- Audiences: strategic decision makers, data providers, distributors and end users of Arctic data
- Arctic SDI\_Glossary of Terms
  - A living glossary providing terms, acronyms, definitions and sources
- Arctic SDI Evaluation
  - Arctic SDI Evaluation Report
  - <u>Arctic SDI Evaluation Framework</u>
  - <u>Arctic SDI Evaluation and Benchmarking presentation</u>

#### Arctic SDI Historical Framework

Arctic-SDI-Framework-Document\_V2 0

### Arctic SDI Video on YouTube



Introduction to the Arctic Spatial Data Infrastructure

Arctic Spatial Data Infrastructure



### **Arctic SDI Fact Sheet**



#### GEOSPATIAL DATA – A TOOL FOR BETTER INFORMED DECISIONS AND MORE EFFICIENT ADMINISTRATION IN THE ARCTIC

Improved access to geospatial data can help us better to predict, understand and react to changes in the Arctic. Responses to the impact of climate change and human activities in the Arctic requires accessible and reliable data to facilitate monitoring, management, emergency preparedness and decision making.

Important data sets are produced and distributed by many stakeholders – public and private sector – and most of it can be geographically referenced. A spatial data infrastructure provides tools for data distributors to ensure that their geospatial data is easier for users to access, validate and combine with other data.

The Arctic SDI provides such an infrastructure and its development is facilitated by the National Mapping Agencies of the eight Arctic countries.

#### The Arctic SDI Geoportal and the initial Arctic SDI Reference Map – the basic building blocks in the Arctic Spatial Data Infrastructure are available

The Arctic SDI Geoportal providing a web map viewer for use by any interested user to access the Deference Web Map Service countries the





# Find us at the Poster Se afternoon !

**Questions** ?

