ARCTIC SDI
Arctic Spatial Data Infrastructure

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Polar Data Forum II & Pan-Arctic DEM Workshop

Waterloo, Canada

October 27, 2015

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ARCTIC SDI Arctic Spatial Data Infrastructure

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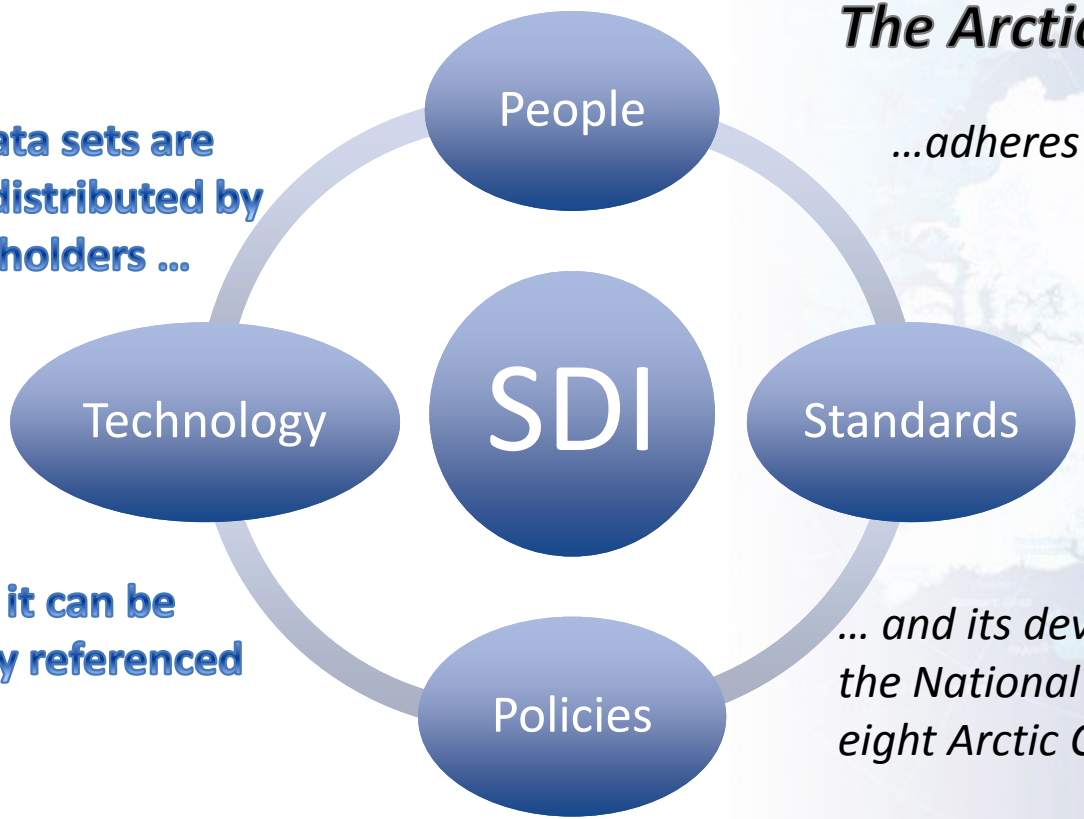
A Spatial Data Infrastructure

Allows sharing geospatial data in an efficient and flexible way

Important data sets are produced and distributed by many stakeholders …



The Arctic SDI …

…adheres to Open Data Standards

… most of it can be geographically referenced

… and its development is facilitated by the National Mapping Agencies of the eight Arctic Countries.

What are the benefits of participation in Arctic SDI?

Remember that time that you *really* wanted to find that dataset, or map, you had seen before?

Remember how much time you were looking and you were (or weren't) successful?

- **Geospatial data and the maps you could generate (on the fly) will always be available!**
  - **Data can be used, and re-used in ways we can now only dream of!**
  - **As common data layers evolve consistent visualization becomes possible**
    - ***… Promotes collaboration with access to any data provider: public & private sector data, NGOs and Academia***

Arctic SDI: Working to Facilitate Standardized Geospatial Data Management and Sharing …

… What does that mean?

Standards help ensure that even as technology evolves data and information will continue to be available!

- **Connecting your computer to the Internet? Surfing the Web? Sending and Receiving Email?**
- **Plugging your electrical device into a wall socket?**

What's the difference between an SDI and a Geoportal?

Spatial Data Infrastructures are like transportation infrastructures …
Roads, for example

- **Data is like the vehicles …**
  - **Cars vs. Trucks; All-Wheel Drive vs. 4-Wheel Drive; Sedan vs. All-Terrain Vehicle**
- **Effective delivery of different data types require different standards, or protocols**
  - **Time Series/Temporal data vs. Raster data vs. Vector data, etc.**

Geoportals are tools which can access data in the infrastructure

Standards based vehicles can be driven on any standard road!

Arctic SDI Highlights

2014:

- Geoportal Launched
- MOU Signed
- Initial work to migrate CAFF Data into the Geoportal

2015: Maturing of the Arctic SDI

- Arctic SDI Fact Sheet completed
- Geoportal Domain Name: geoportal.arctic-sdi.org
- International Activities
  - Intervention at UN-GGIM in NYC (United Nations Committee of Experts on Geospatial Information Management
  - Open Geospatial Consortium (OGC) Pilot to Showcase Data Interoperability for the Arctic
- Initial evaluations for a Pan-Arctic Digital Elevation Map
- Strategic Plan Objective 1 – Gather User & Stakeholder Requirements
  - Arctic SDI is expanding engagement to include other Arctic Council WGs

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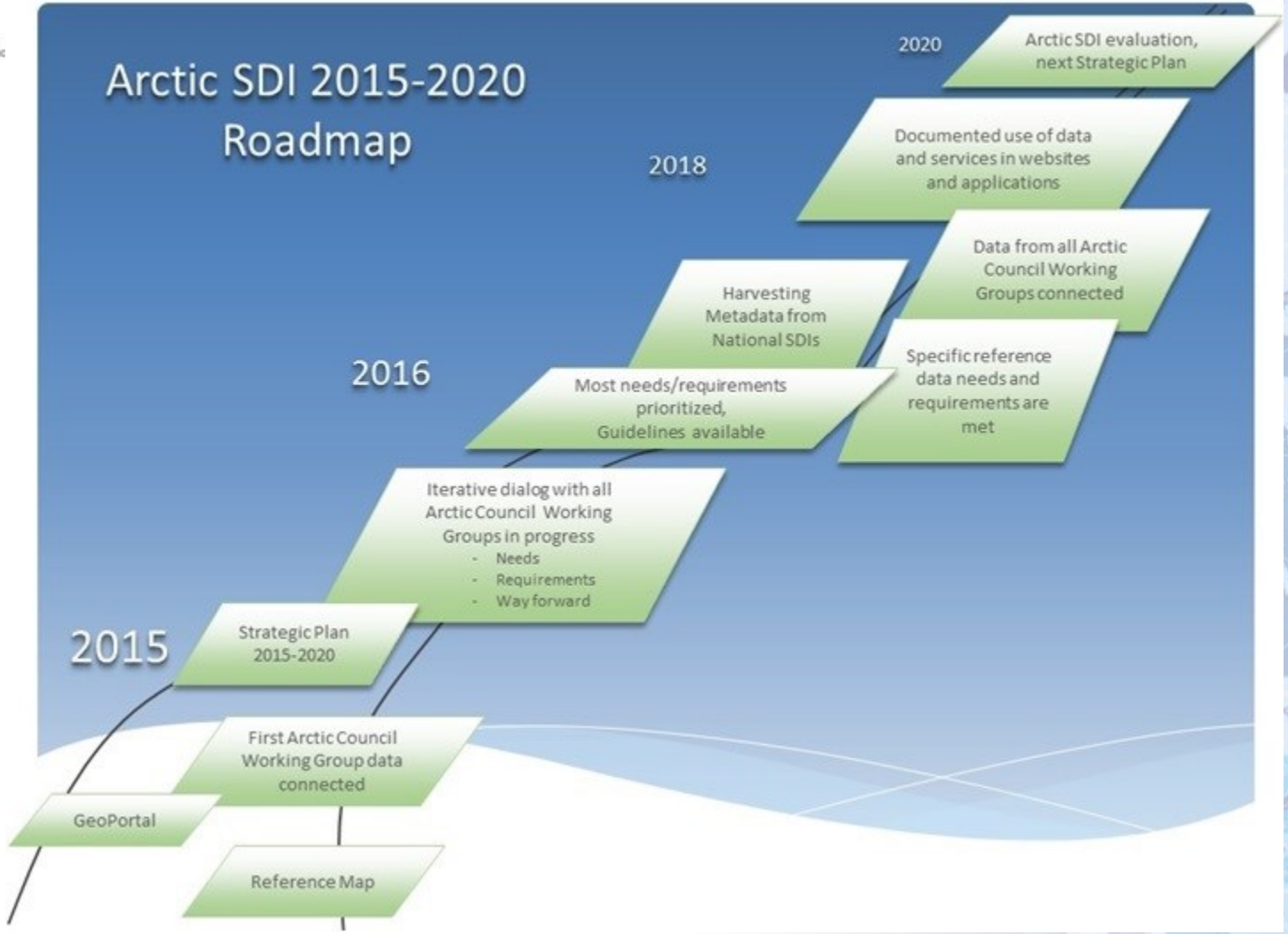

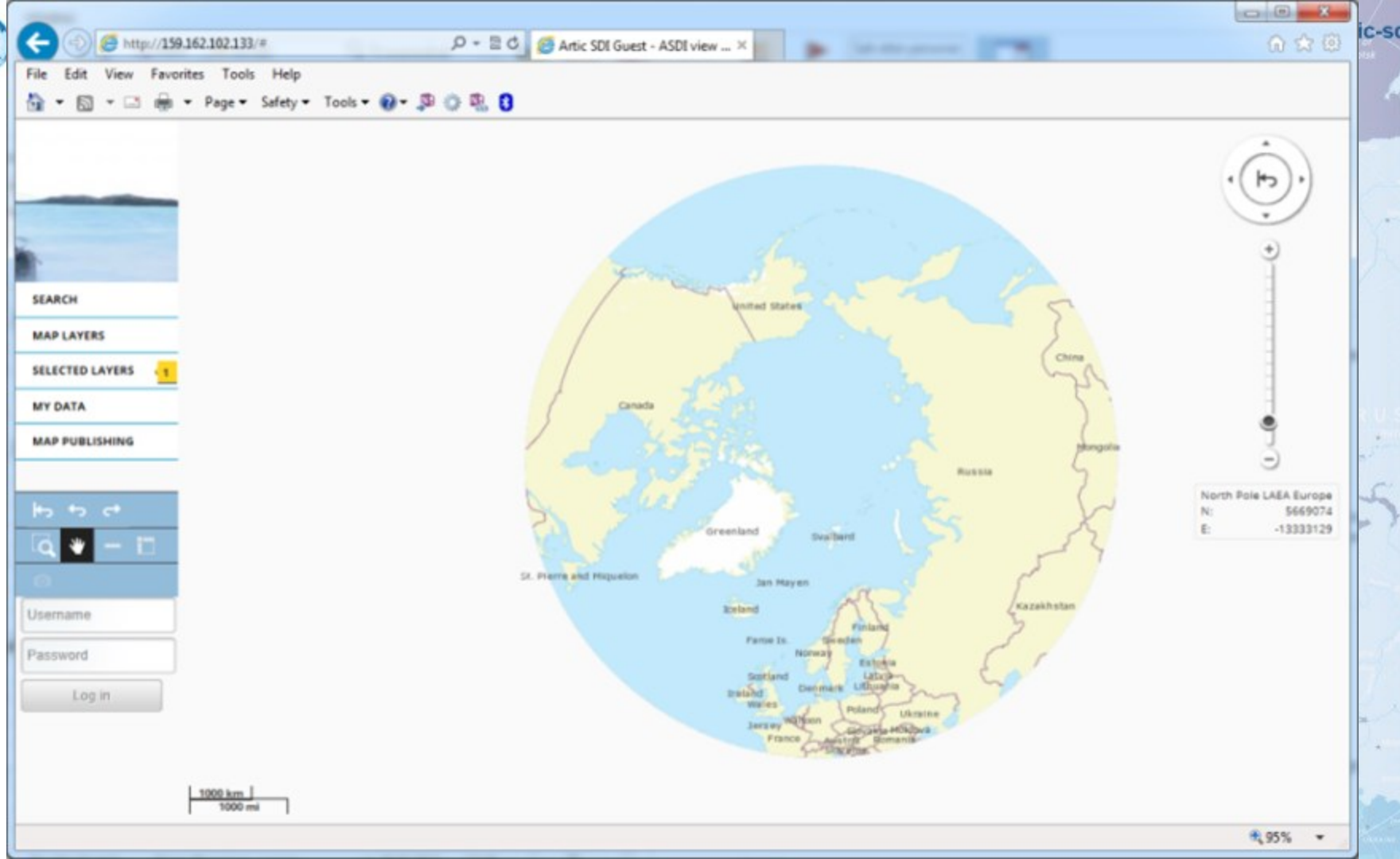
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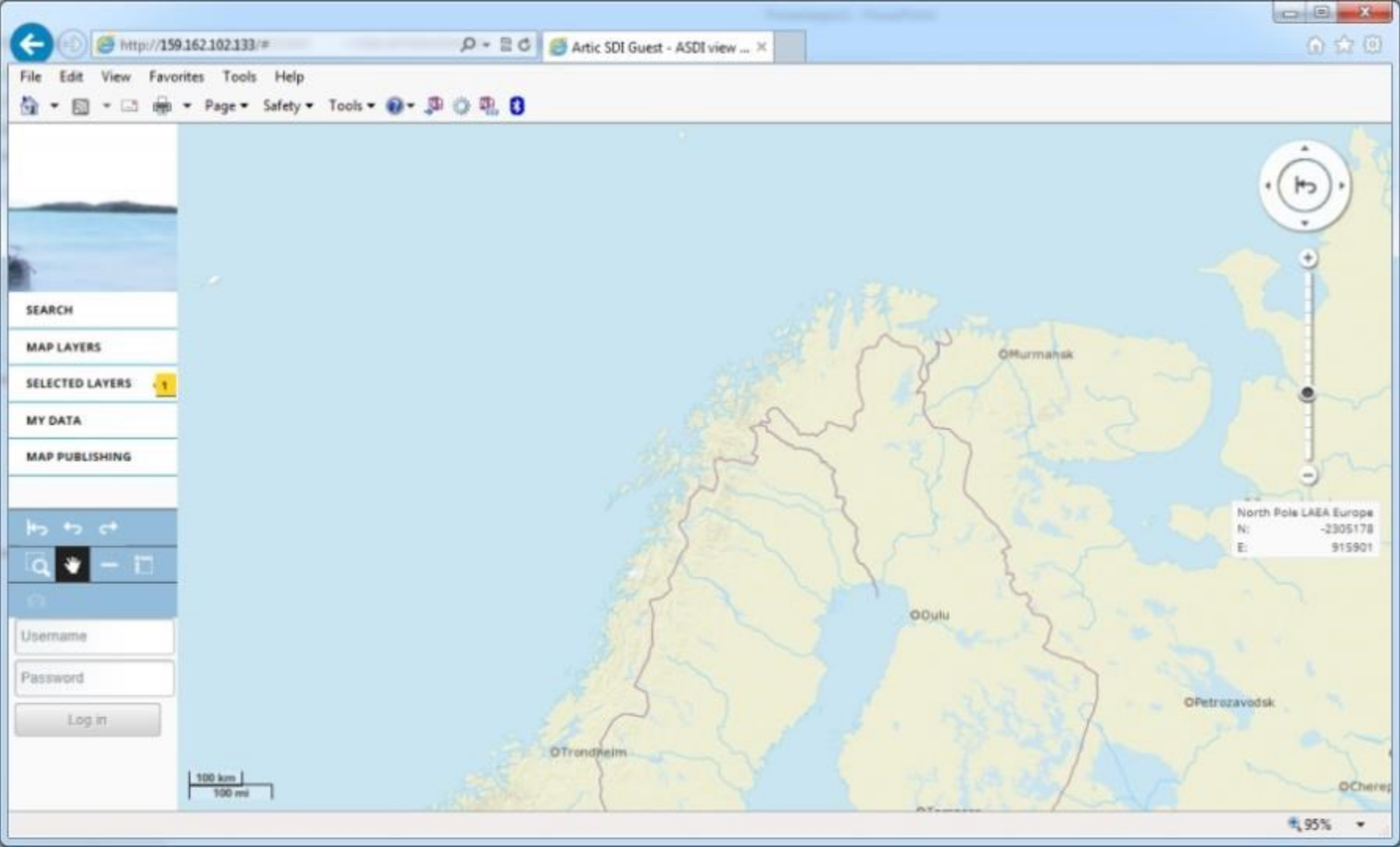
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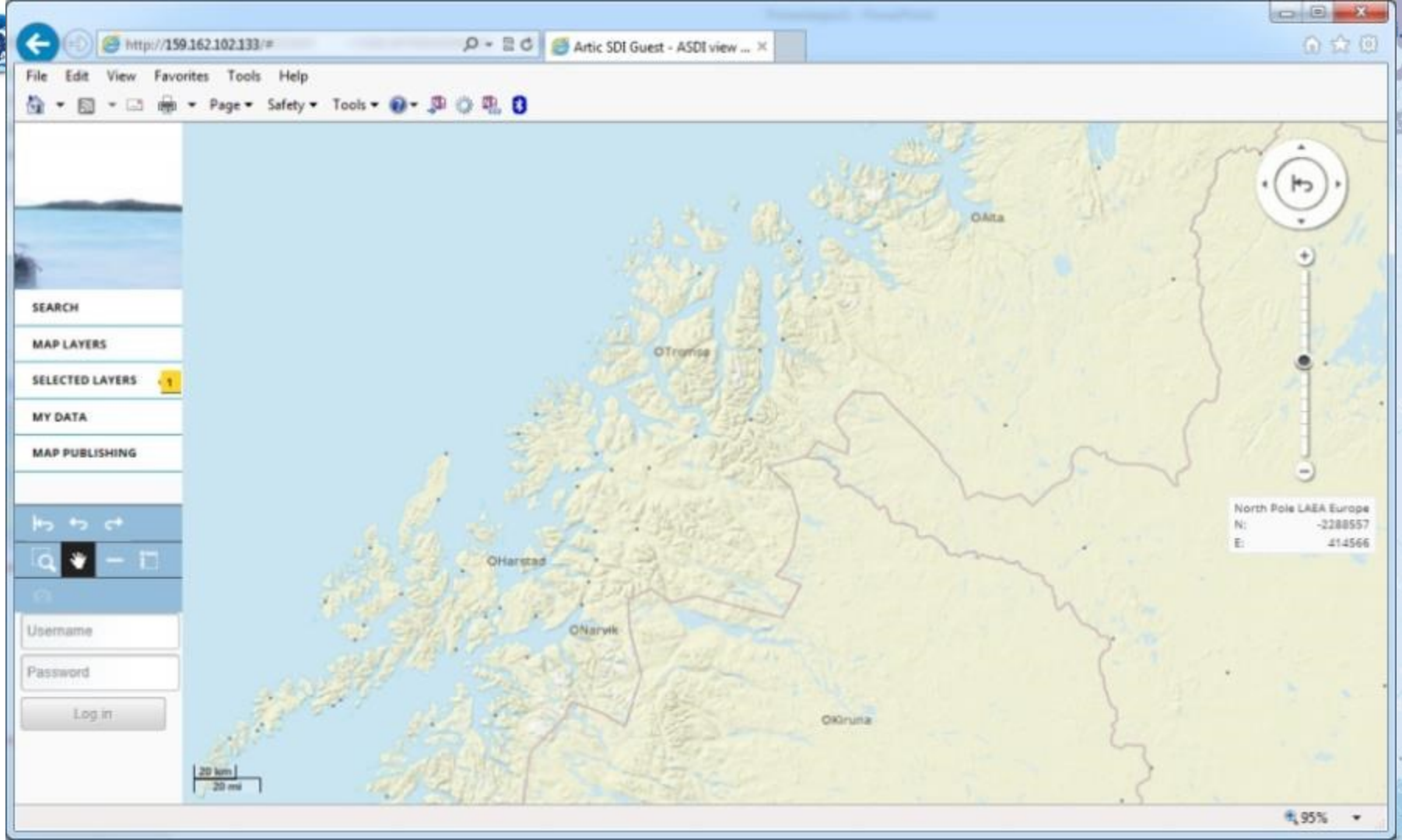
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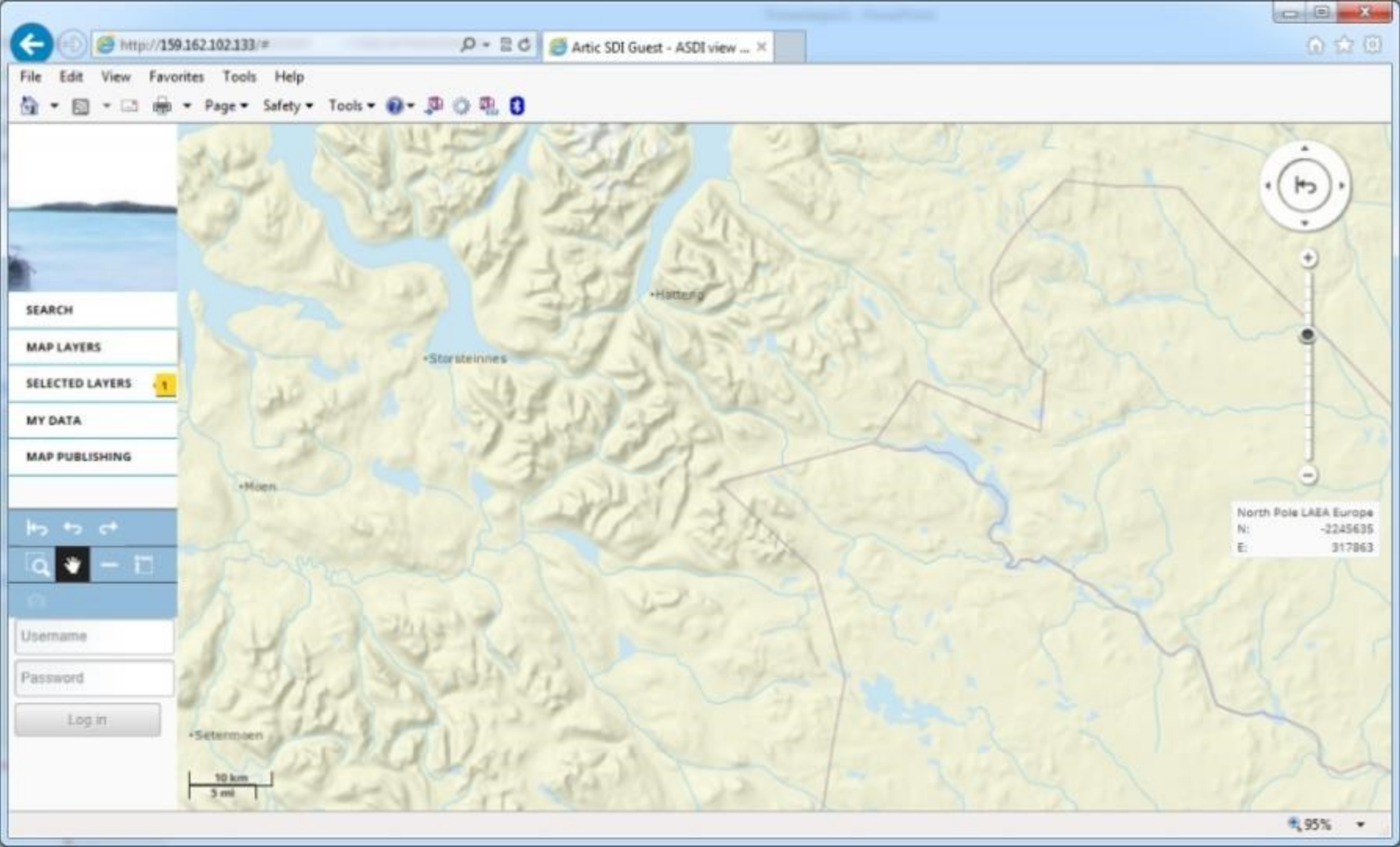
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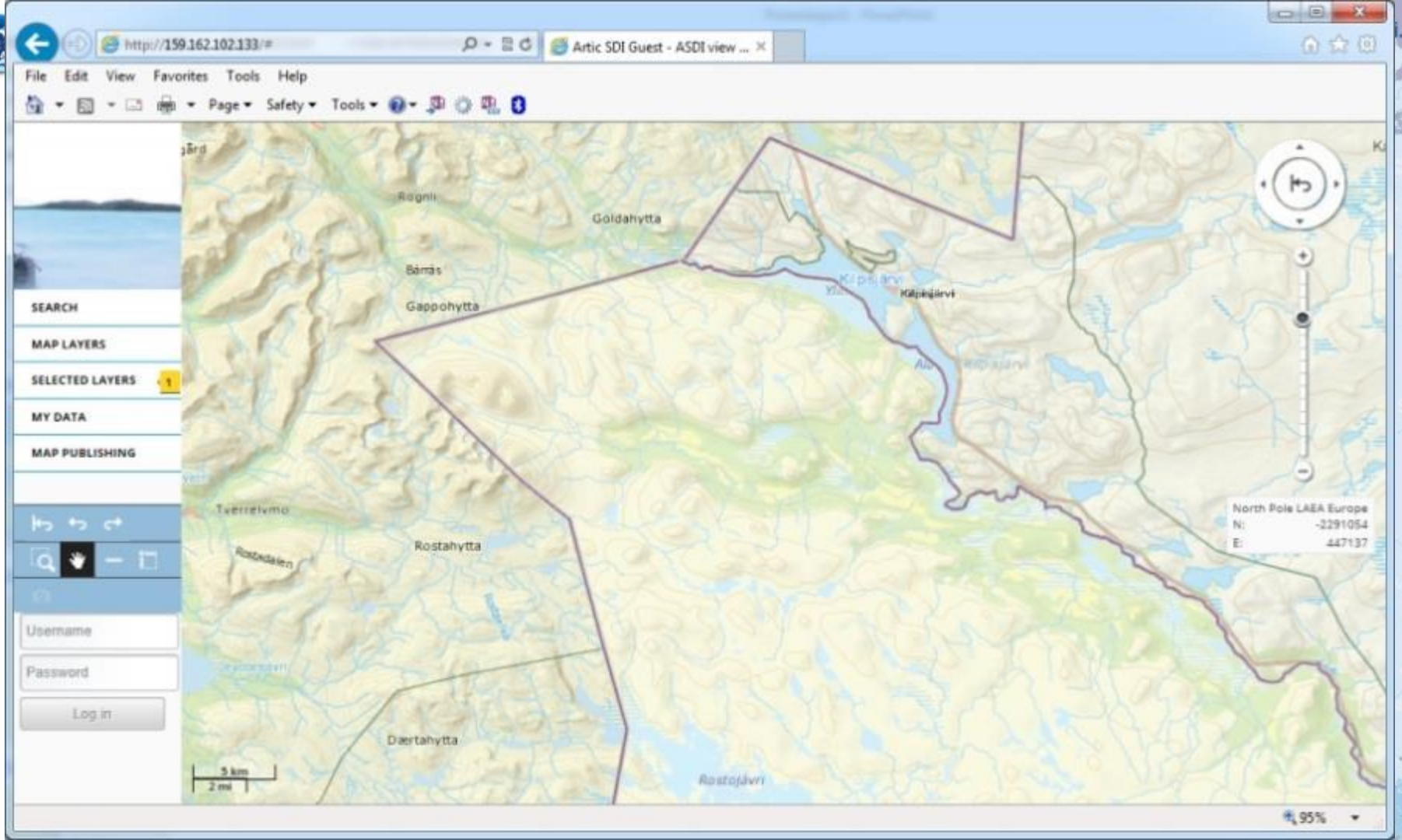
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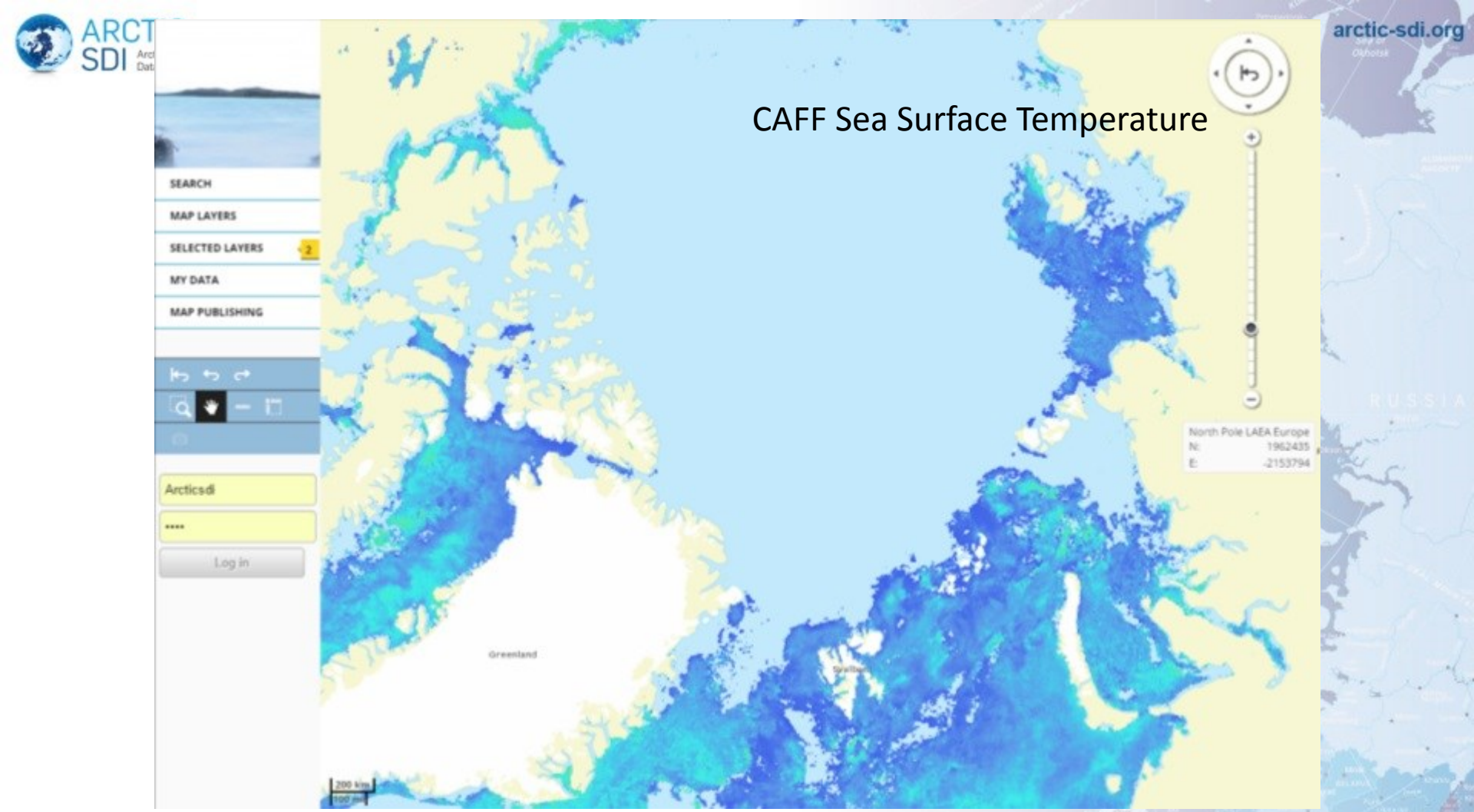
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CAFF Sea Surface Temperature
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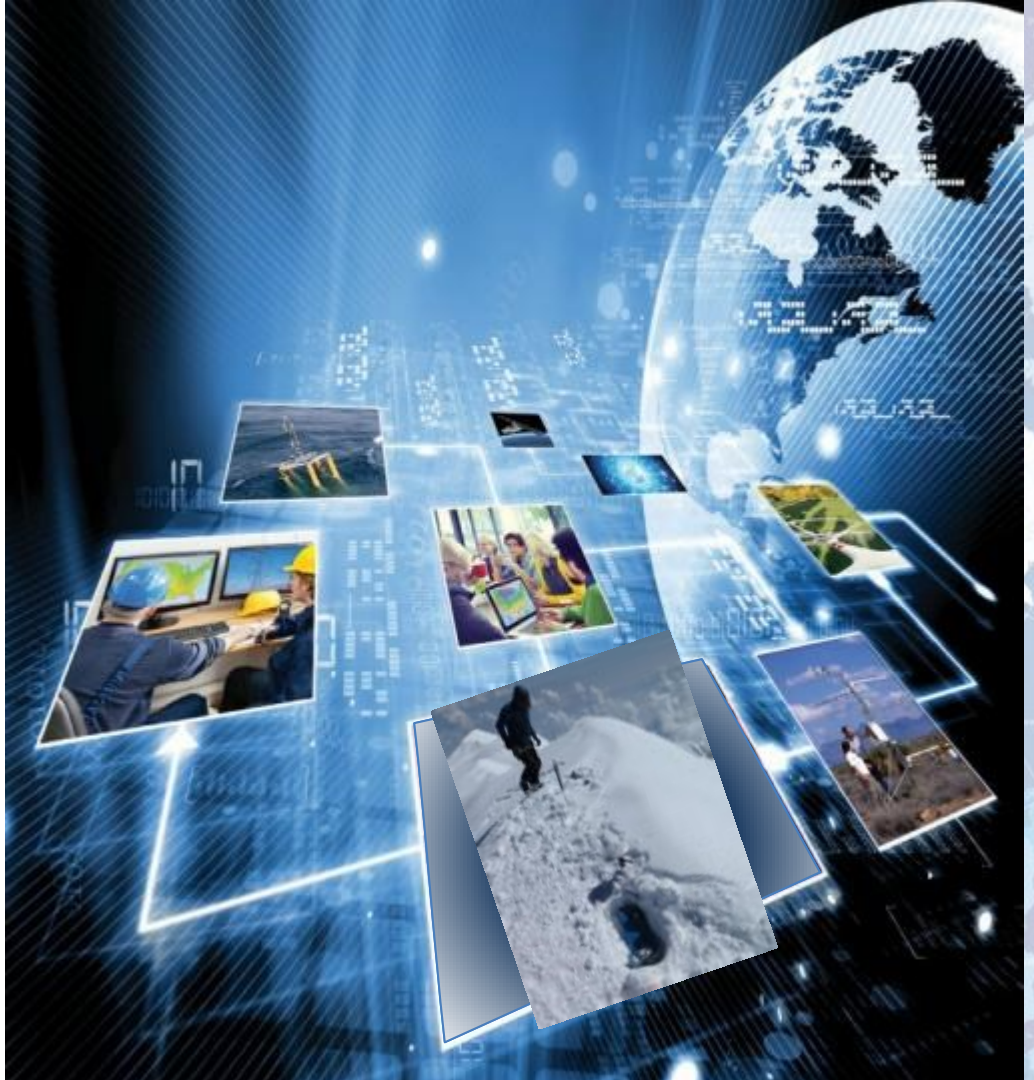
Improved access to geospatial data can help us better predict, understand and react to changes in the Arctic.



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