

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

Arctic SDI cooperation

PAME I – 2015 Working Group Meeting
Akureyri Iceland
3. February 2015

Magnús Guðmundsson

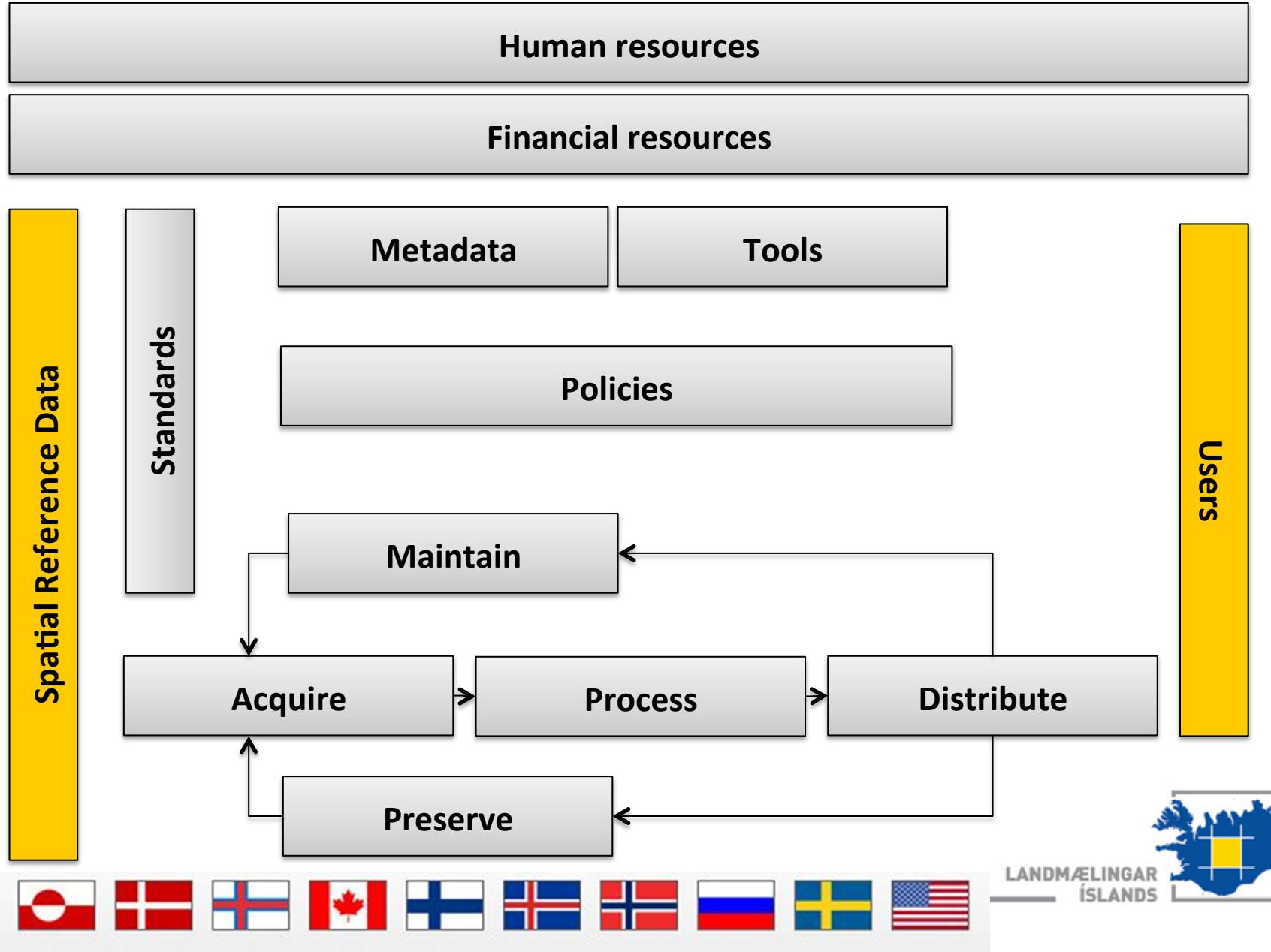
National Land Survey of Iceland

Spatial data infrastructure

- A spatial data infrastructure (SDI) is a framework of **Spatial data, Metadata, Users and Tools** that are interactively connected in order to use spatial data **in an efficient and flexible way**.



Spatial Data Infrastructure



Arctic SDI

A cooperation between the Mapping Agencies of:

- ✓ Canada
- ✓ Denmark including Greenland and Faroe island
- ✓ Finland
- ✓ Iceland
- ✓ Russia
- ✓ Sweden
- ✓ USA
- ✓ Norway



Memorandum of understanding (MoU)

signed in Reston USA in February 2014

..... (a) exchange of cartographic and other necessary information;
(b) education and training for work with the Arctic-SDI;
(c) liaison with industrial, academic, professional and other organizations that participate in the Arctic-SDI;
(d) organizational and support of technical seminars and meetings;
(e) encouragement of co-operation regarding consulting services, technology assessment and applications development; (f) other forms of co-operation as they may determine



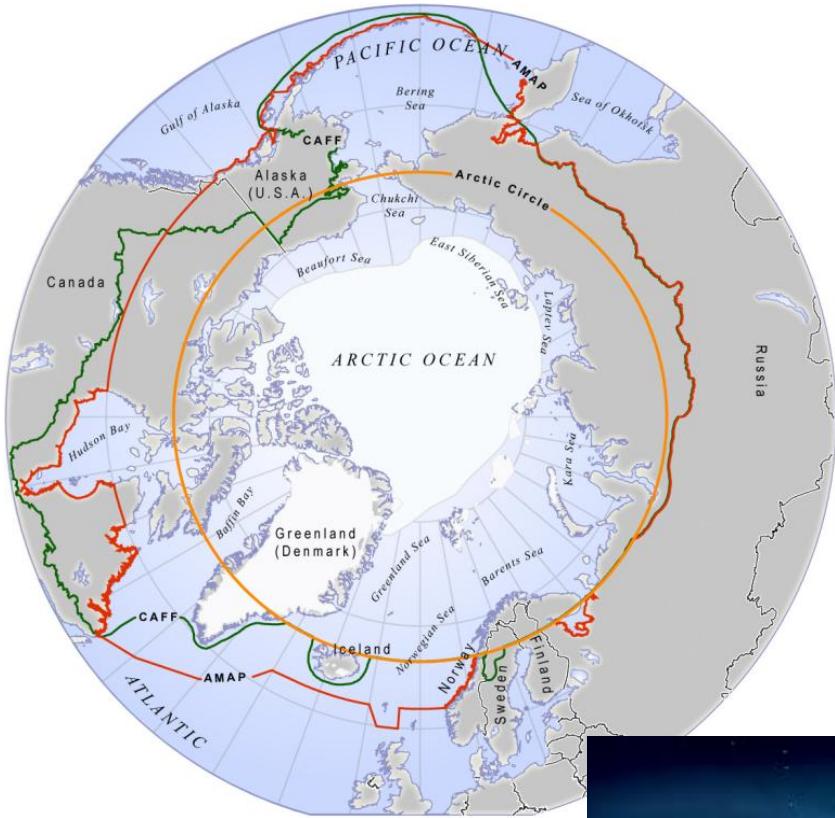
Arctic SDI

- Vision -

An Arctic SDI – based on sustainable co-operation between mandated national mapping organisations – which will provide for access to spatially related reliable information over the Arctic to facilitate monitoring and decision making



Arctic SDI

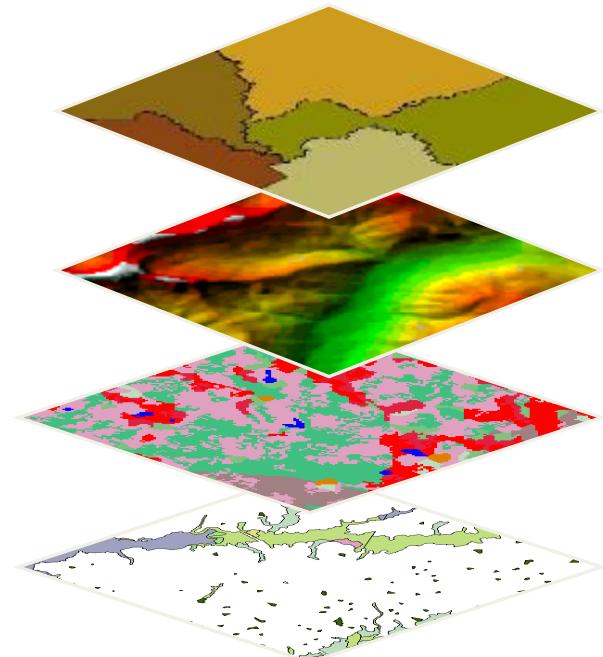


- 1/6 of the earth's landmass
- More than 30 million km²
- 8 countries
- 24 hours all time zones

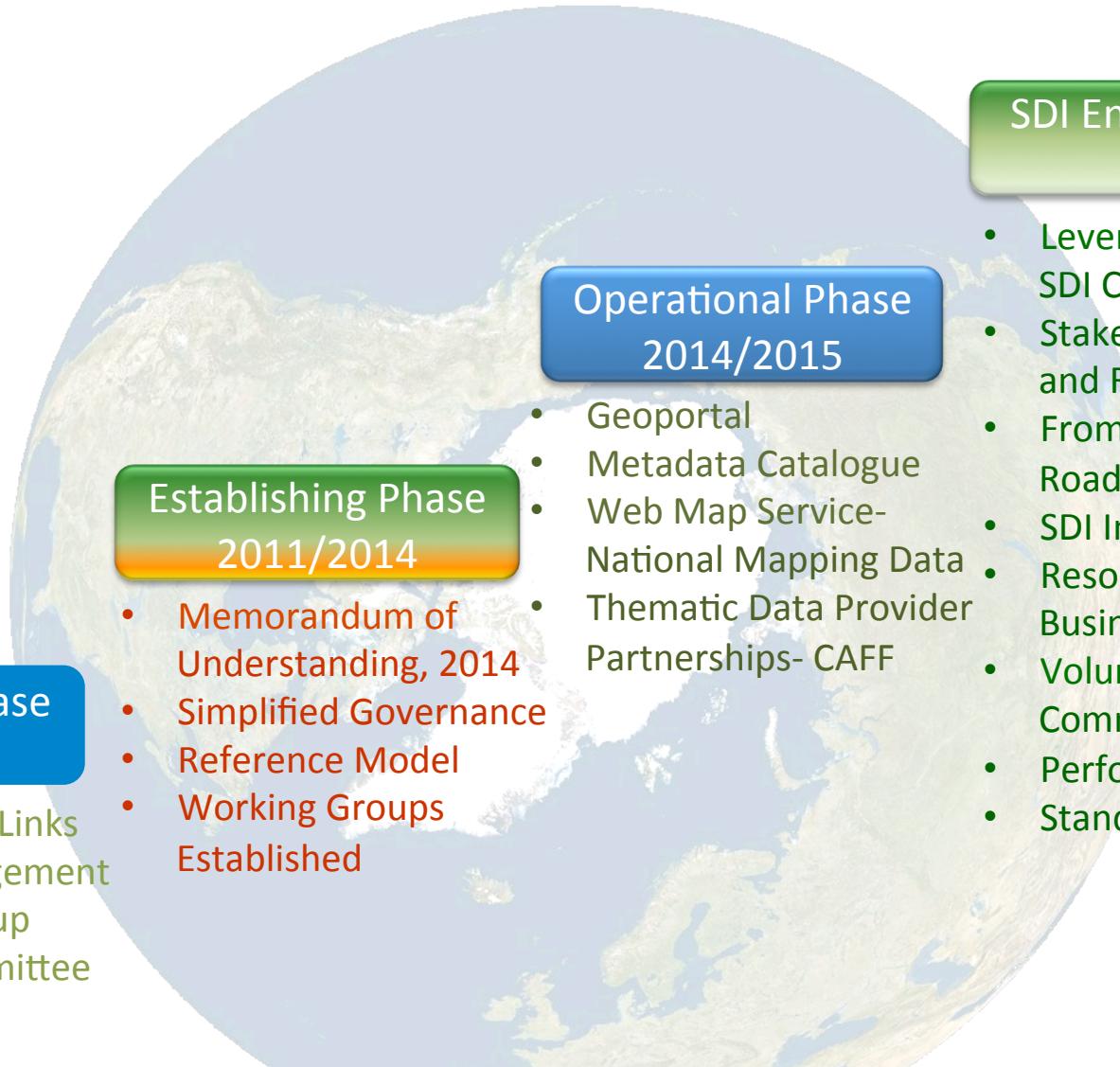


Why Arctic SDI ?

- Wide array of spatial data around the Arctic
- Datasets are distributed throughout many organisations often not integrated or coordinated
- Arctic SDI would allow for more robust management and manipulation of data for both research and management purposes.



Arctic SDI Phases and Milestones



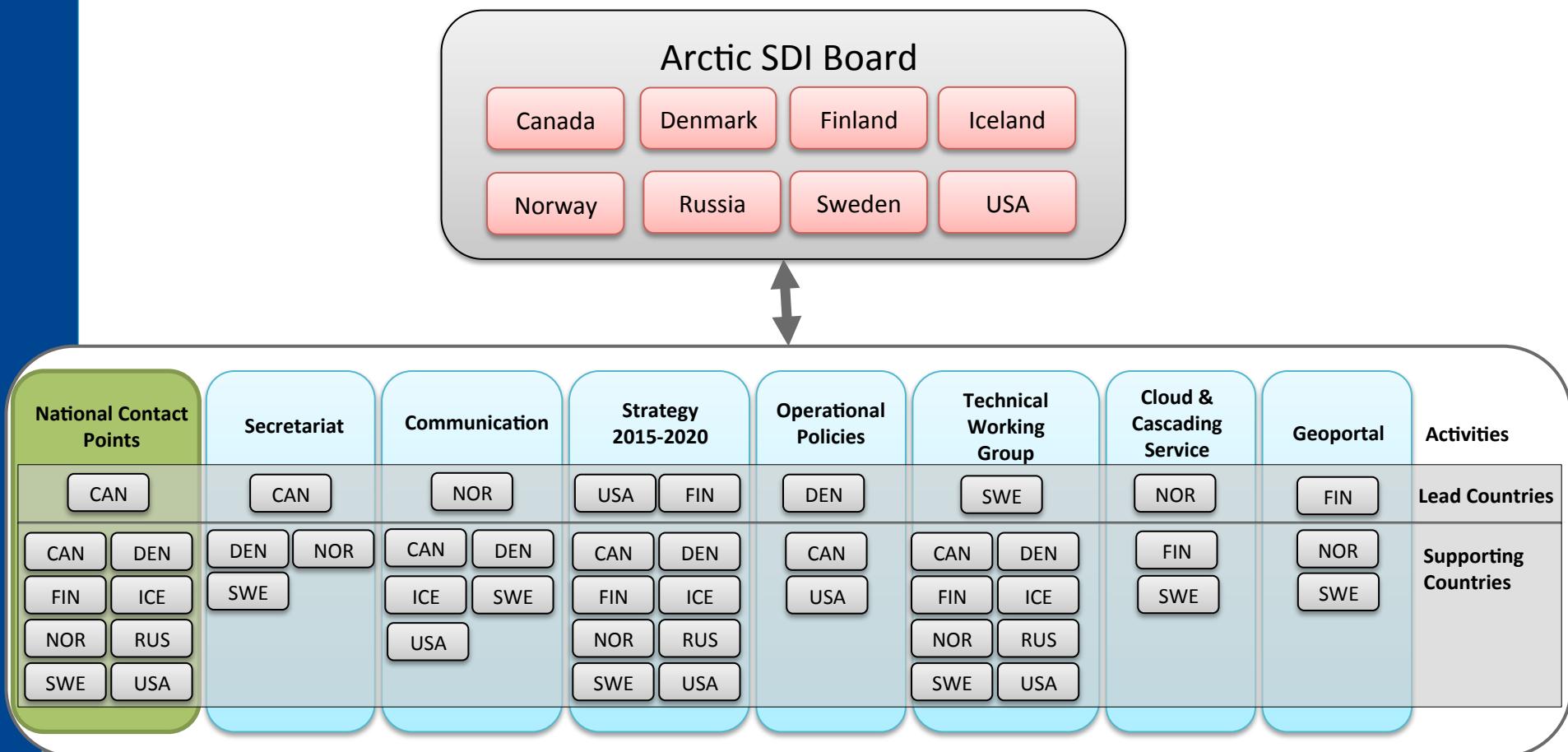
SDI Engagement Phase 2015/2020

- Leverage Global/National SDI Communities
- Stakeholder Engagement and Requirements
- From Strategy to Roadmap to Projects
- SDI Interoperability
- Resource Allocation and Business Models
- Voluntary Resource Commitment to Tasks
- Performance Metrics
- Standards Coordination



Arctic SDI Strategic Plan

Organizational Structure



The Arctic SDI - primary stakeholders

- ✓ Arctic Council & it's Working Groups: CAFF, EPPR, PAME, AMAP
- ✓ Institutions and organizations managing Arctic data



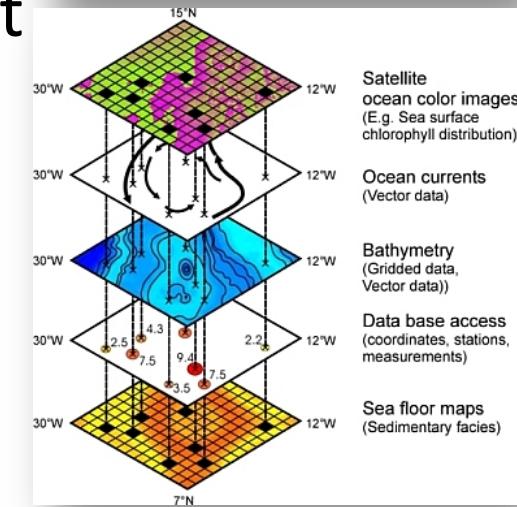
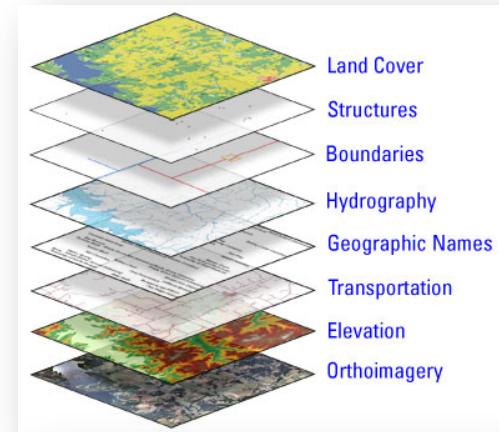
Arctic SDI 2014 - Status

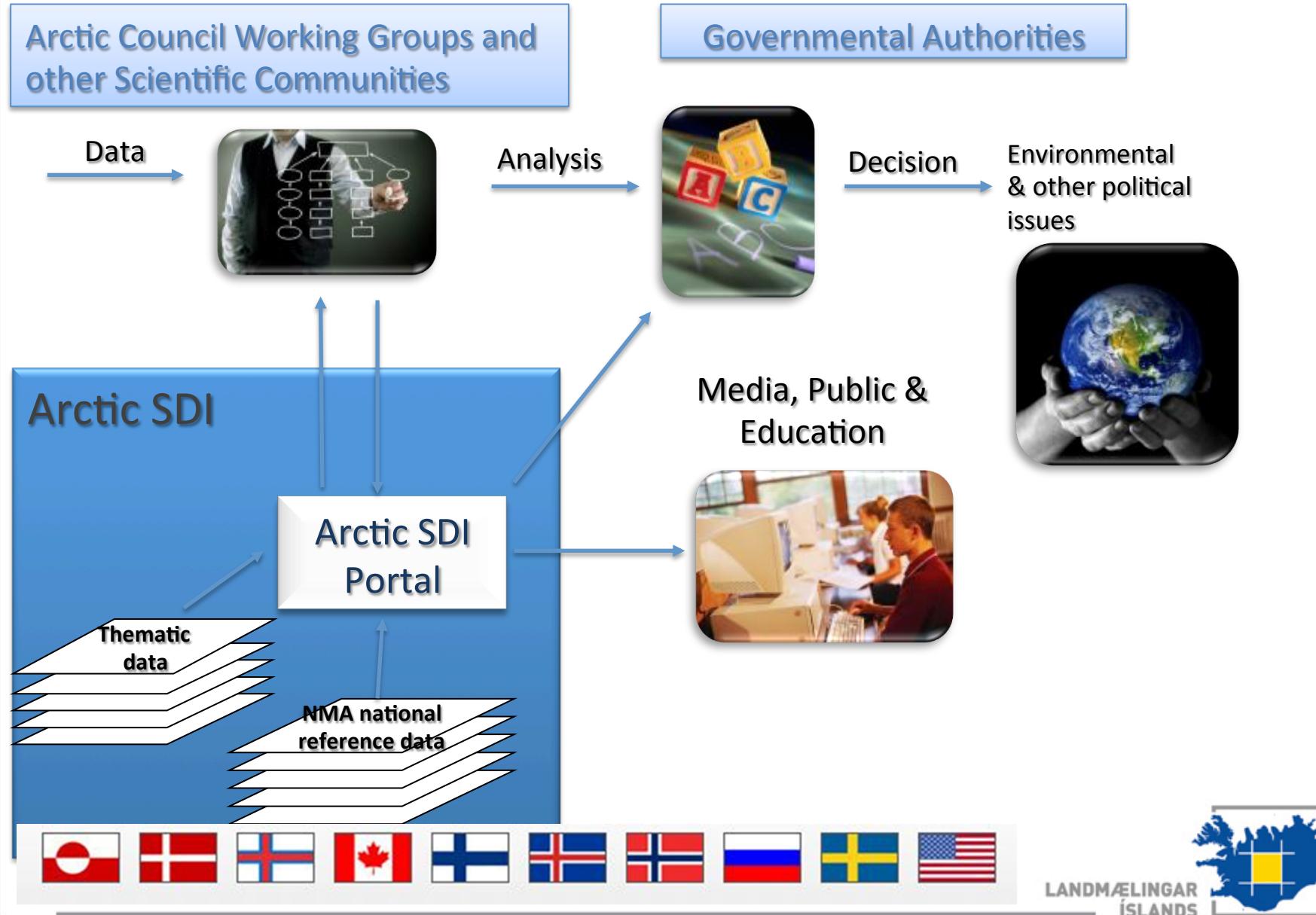
- ✓ Geoportal (<http://159.162.102.133/oskari-map>)
- ✓ Web Map Service with Reference Data 1:250.000
- ✓ CAFF thematic data
- ✓ Strategic Plan 2015 – 2020
- ✓ Senior Arctic Official - invitation to start dialogue with all Arctic Council Working Groups

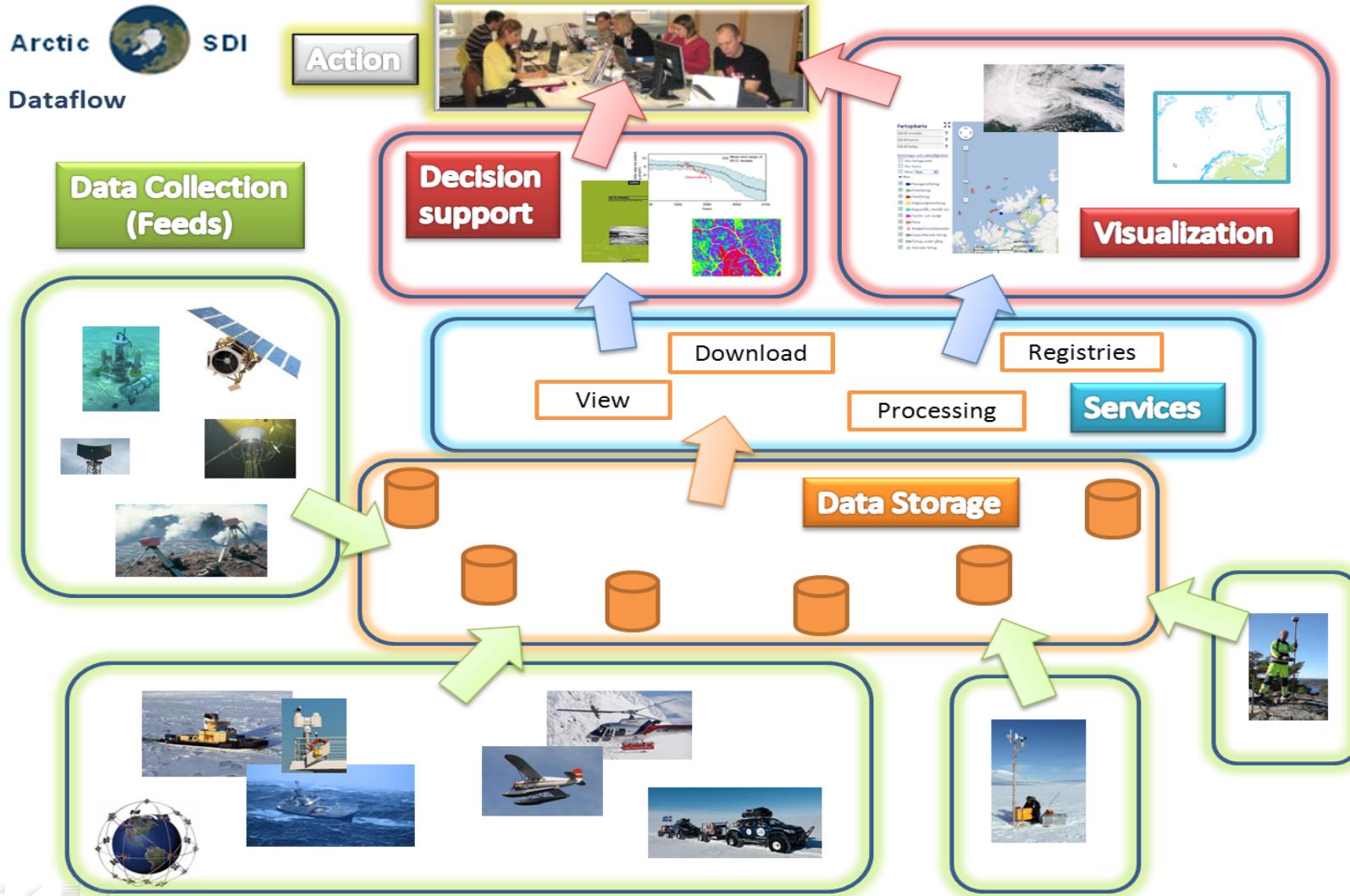


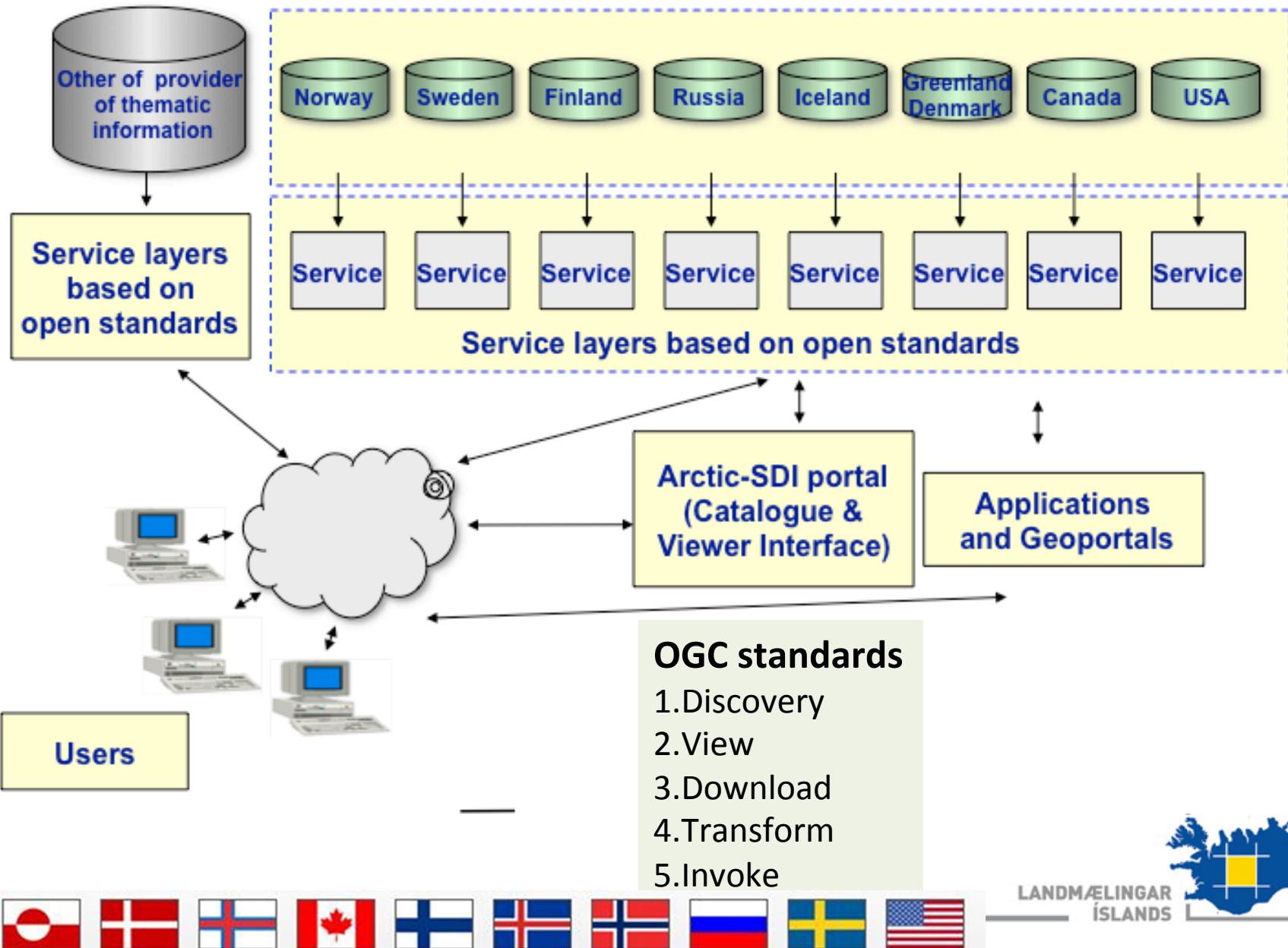
Use of the Arctic SDI

- Research
- Planning
- Political processes
- Public administration and management
- Emergency prevention
- Business development

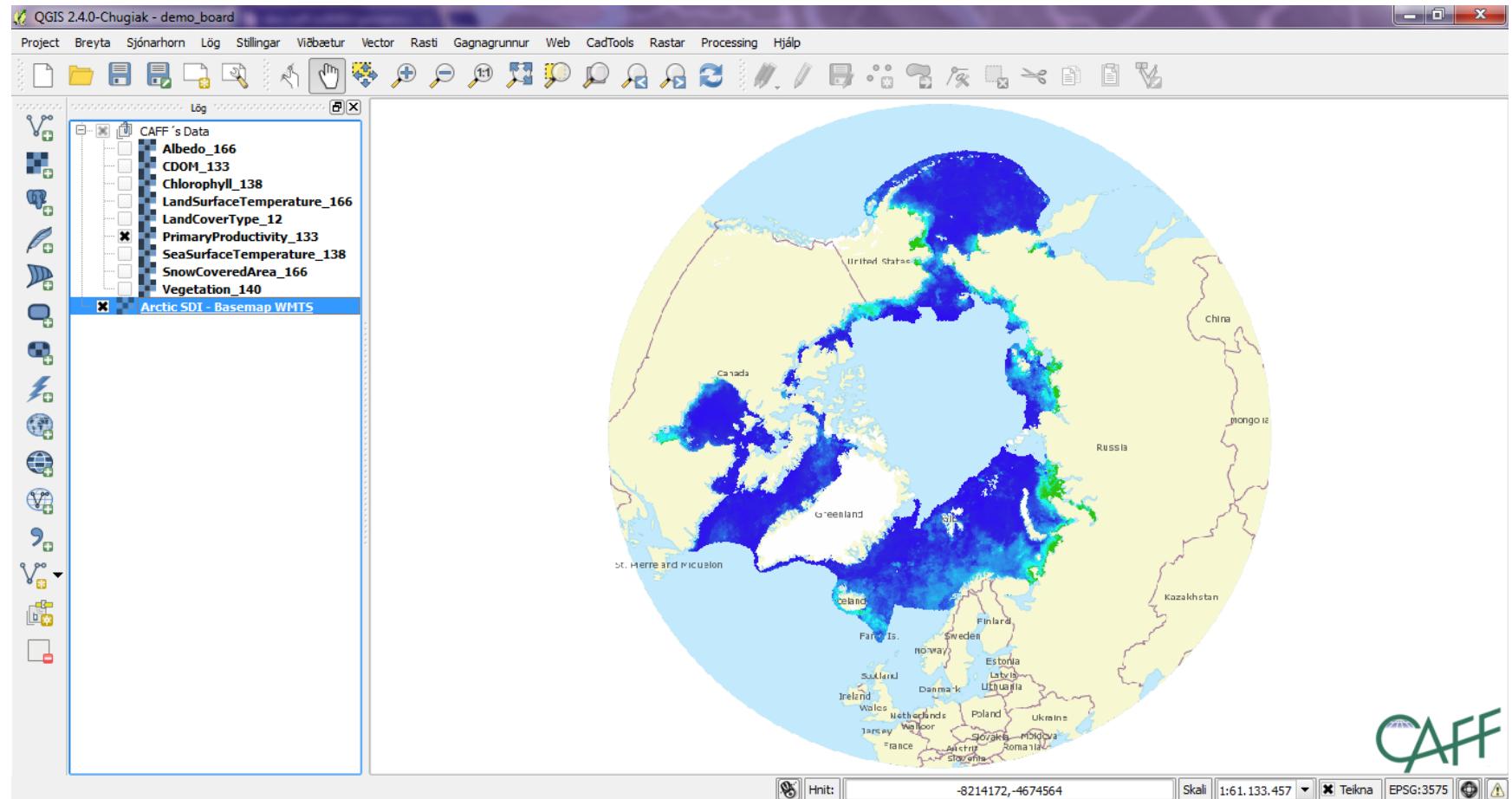


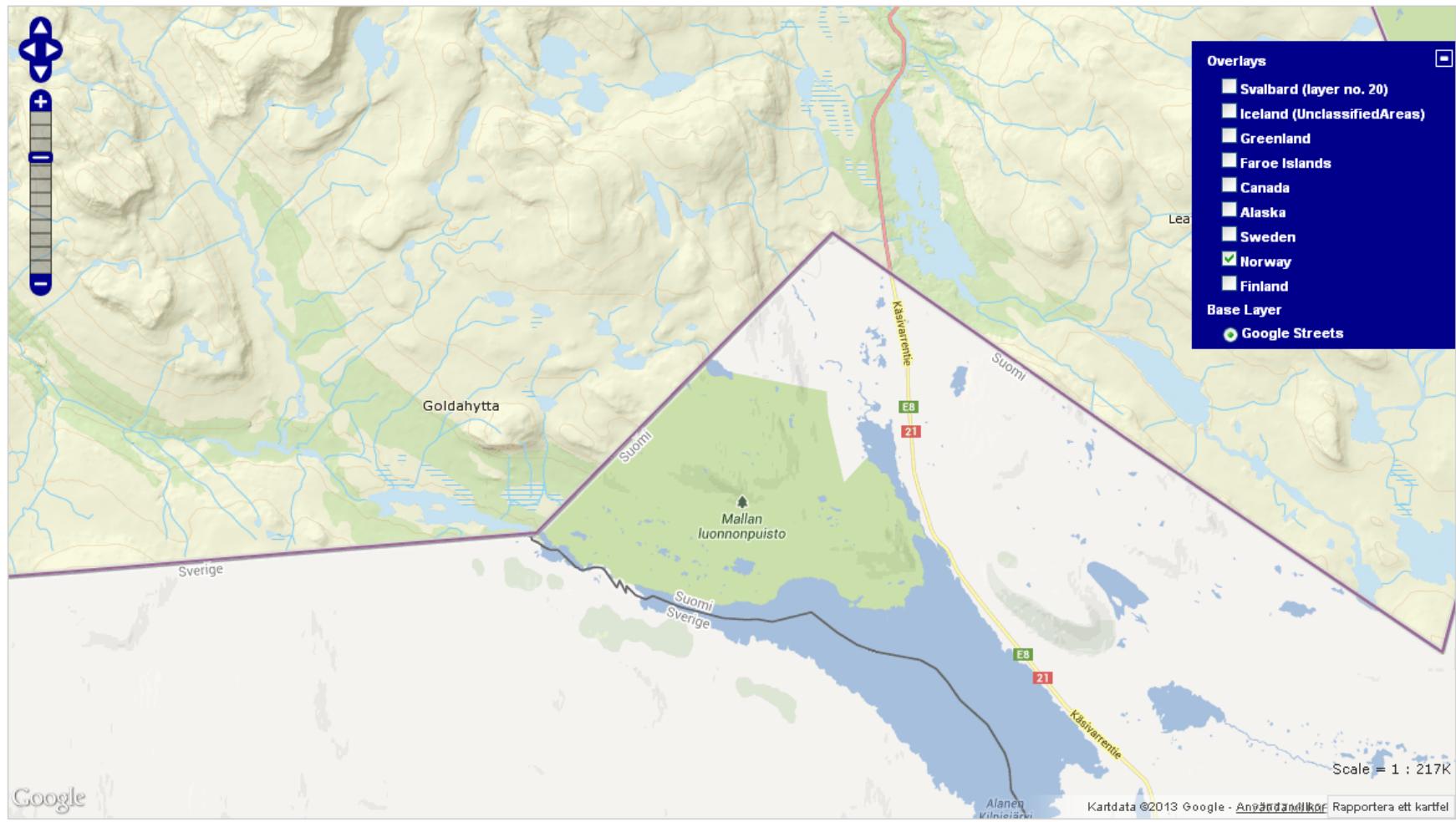






WMS service from CAFF

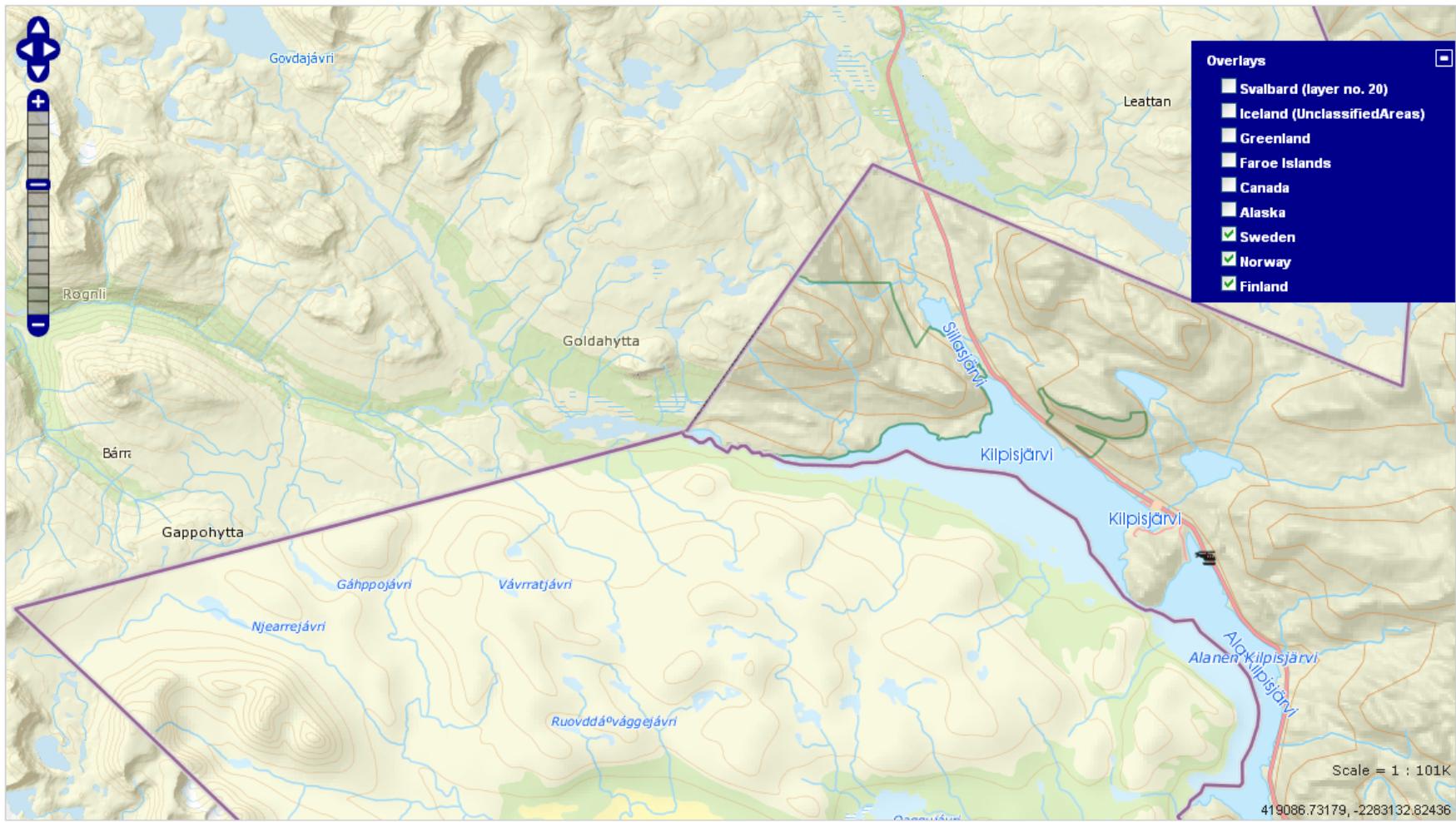




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File View Tools WFS-T Help

Map Layers Service [Select service]

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 ArcticBackgroundMap
ArcticSDI1M Basemap

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WFS-T Tools: Insert Delete Update Commit Config Snap: Current To Any

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Windows taskbar icons: Internet Explorer, File Explorer, Control Panel, Google Chrome, Mail, X, L, S.



cascading_toplayer - Gaia 3.4.2 - www.TheCarbonProject.com

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Thank you

www.arctic-sdi.org

