The Arctic SDI

Arctic Spatial Data Infrastructure

- A circumpolar initiative -





The purpose with the Arctic SDI is...

... to increase the use and utility of Arctic data provided to politicians, governments, policy makers, scientists, private enterprises and citizens in the Arctic

By developing a standardized infrastructure for datasharing including Arctic geographical reference data and digital maps based on data from national agencies of the 8 Arctic nations.

Arctic SDI Framework Document 2014 / Arctic SDI Strategy Plan, November 2014





Short history - background

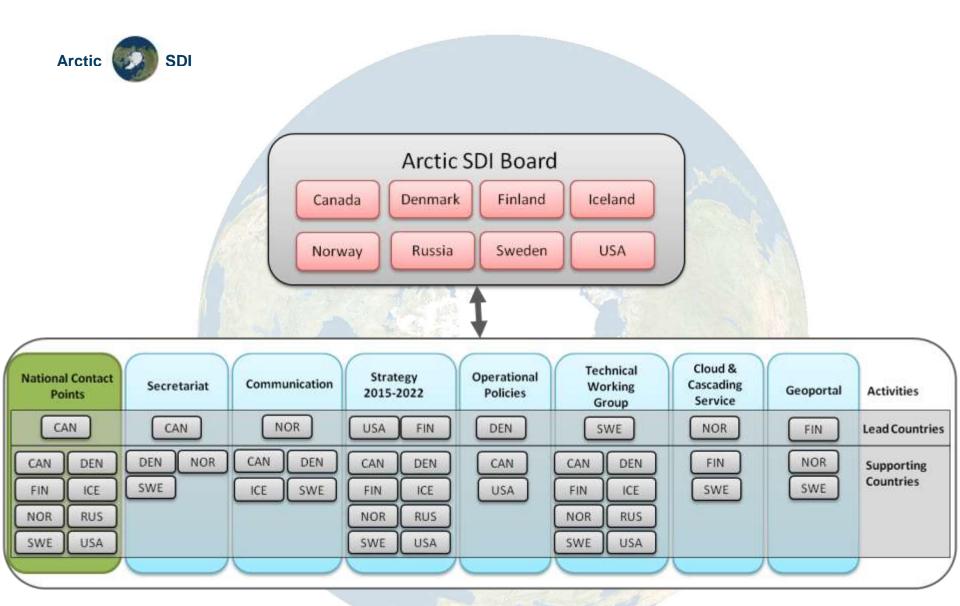
2007 Yellowknife Declaration - GeoNorth Conference

2009 Formal Arctic Council support – SAO meeting

2011 the Arctic SDI Cooperation was launched by the 8 National Mapping Agencies together with Arctic Council WG CAFF - Sweden and Norway PMG

2014 Memorandum of Understanding signed, new governance, commitment to responsibilities and resources







PROJECT FRAMEWORK

- Project phases

Phase 2014/2015

- NMA Data
- WMS service
- Geoportal
- SDI CAFF Data
- SDI Strategy View
- SDI Communications
- SDI Operational Policies
- SDI Technical / Standards

Establishing Phase 2011/2014

- Memorandum of Understanding
- Simplified Governance
- Reference Model
- Working Groups Stood-up

SDI Engagement Phase 2015/2020

- Leverage
 Global/National SDI
 Communities
- Stakeholder Engagement and Requirements
- From Strategy to Roadmap to Projects
- Resource Allocations
- Performance Metrics
- Standards Coordination

Structuring Phase 2010/2011

- Arctic Council Links
- Project Management
- Technical Group
- Steering Committee





2014 – status

- Geoportal
- ❖ 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

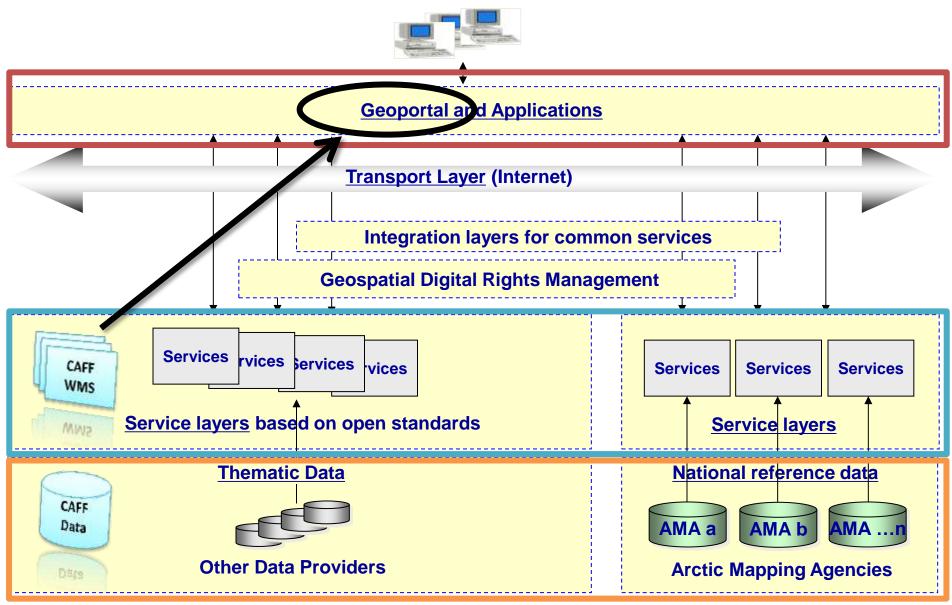


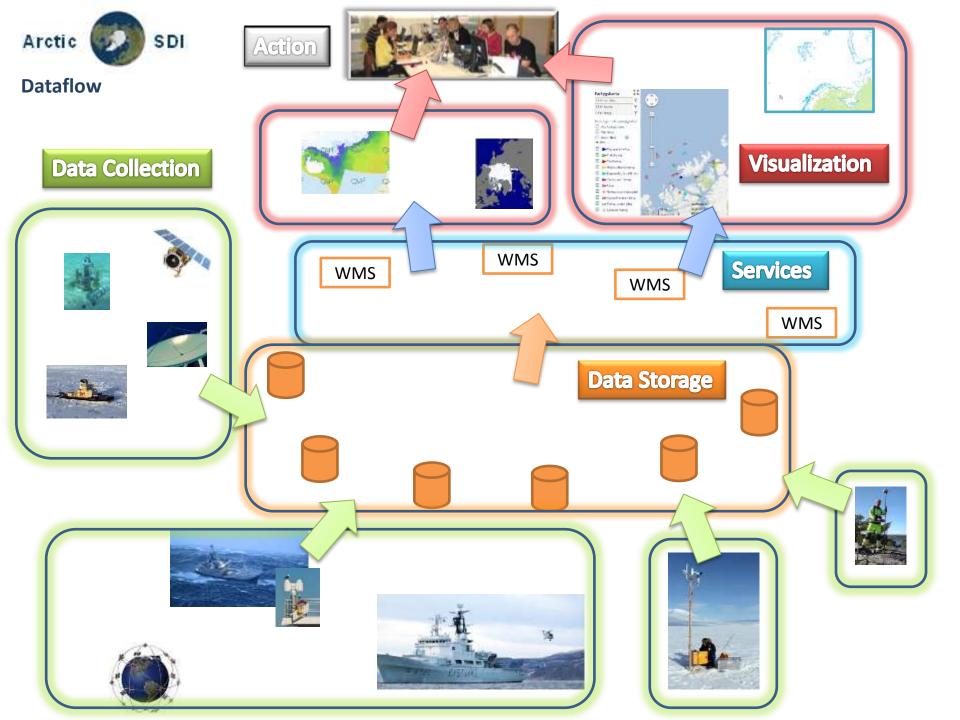


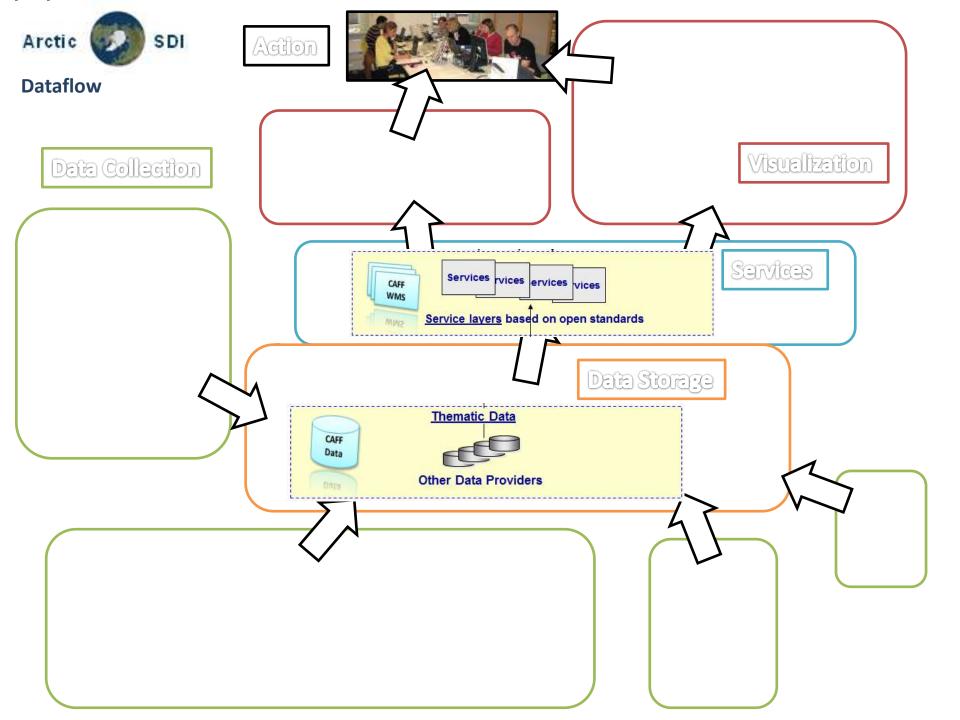


Arctic SDI - Architecture

Dataflow









Dataflow







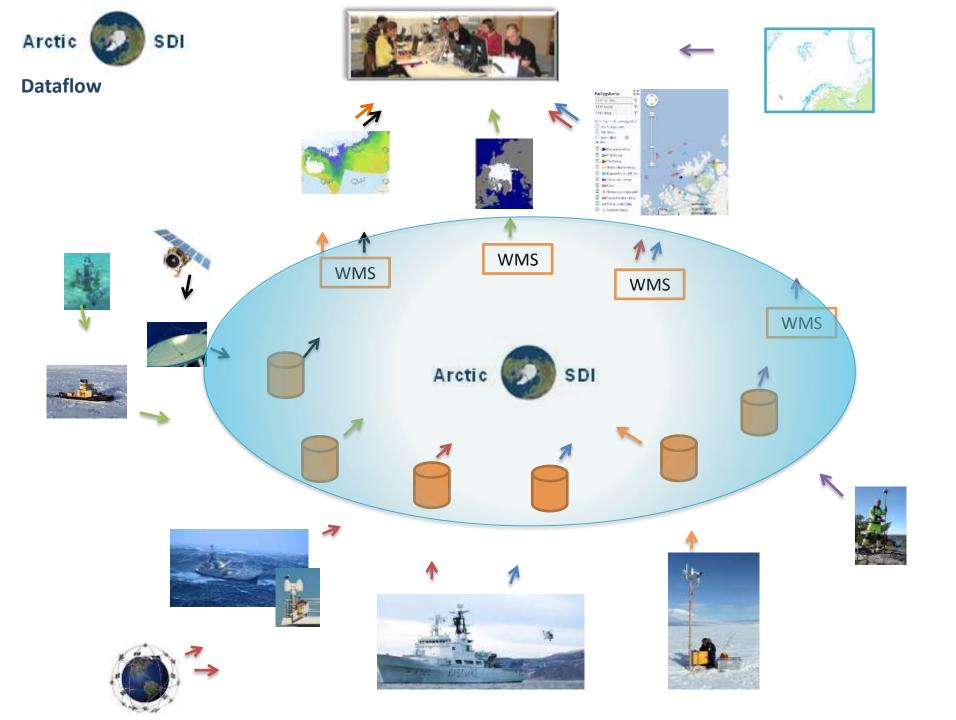








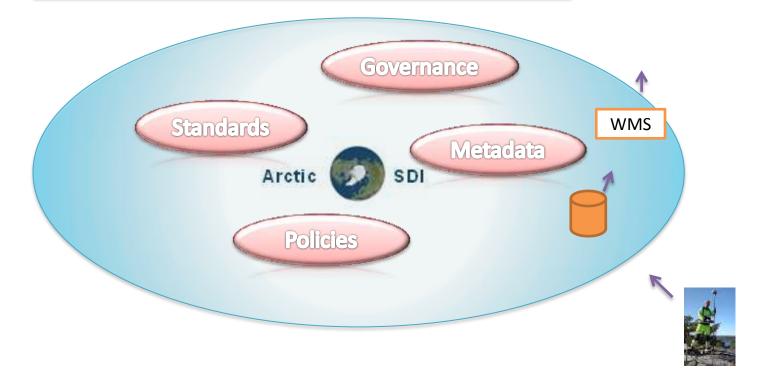






Main responsibility Arctic Mapping Agencies







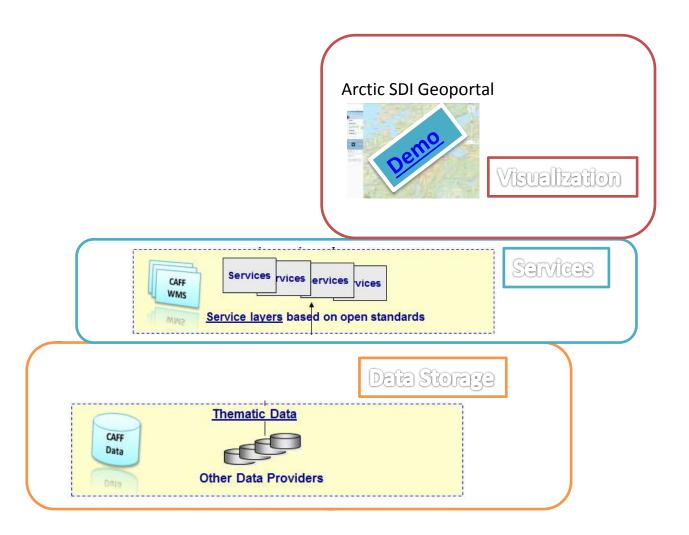
Contribution from Arctic Council WG's



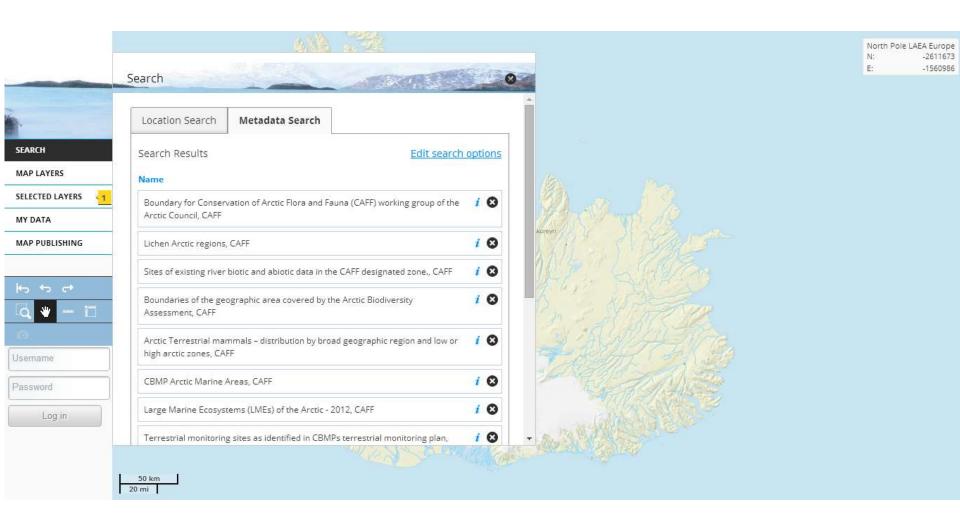


CAFF and Arctic SDI

Dataflow











The Arctic SDI - primary stakeholders -

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



What will the Mapping Institutions offer?

- The Arctic SDI the infrastructure is an efficient system for presentation and for interoperability data
- The Arctic SDI can be used for visualizing the work of the Arctic Council and for multiplying the effect of producing data



What is your role in an Arctic SDI?

- Provide digital access to your thematic data and metadata
- Manage your data according to international standards for data sharing
- Demand the standards to be applied by your partners when they produce or distribute your data



- Thank You for your attention!
- We look forward to cooperate
- arctic-sdi.org