Arctic SDI basic presentations

The standardized Arctic SDI slide show consists of 2 basic presentations of which one is technical.

Supplementary slides can be found in a separate file.

- Arctic SDI standard presentation_V1.0_150311
- Arctic SDI technical presentation_V1.0_20150219
- Arctic SDI supplementary slides _V1.0_150311

  - ✓ The series are to be seen upon as gross series.
  - ✓ They can be used as they are but it is recommended to edit/modify/complete due to the audience
  - ✓ Slides from the supplementary could be used as complement

Background

- Increasing activities, possibilities and pressures in the Arctic
- political focus / increased cooperation
- New digital tools and ways to manage and distribute data
- Creates new possibilities for society
- We are trying to build the geodata puzzle piece

Political context

- Arctic Council (http://www.arctic-council.org/index.php/en/) – established 1996
- Secretary of State / Foreign ministers
- Senior Arctic Officials (Ambassadors)
- promoting cooperation, coordination and interaction among the Arctic States
- on common Arctic issues

Arctic Council Priority Areas

- Climate change, marine environment, trans boundary pollution, flora and fauna, biodiversity, monitoring and assessment

- Emergency prevention, preparedness and response

- Shipping, oil and gas

- Sustainable development

What are we doing ?

Provide the Arctic stakeholders digital access to a coherent and authorized **Arctic base map** for viewing thematic data

Establish a **geodata infrastructure** as the common platform for Arctic stakeholders to:

- Display and discover geodata
- Get relevant information on geodata
- Get access to geodata

The purpose and benefits of the Arctic SDI are to

- *Support stakeholder goals and objectives*
- focus on the *Arctic Council WG's*
- *increase the use and utility of Arctic data*
- provide a tool for more robust *management and wider manipulation* of data
- Increase the potential for using data for *purposes* and in contexts *other than originally intended*

Role of the mapping agencies

- Development of the coherent and authorized digital **Arctic base map**

- Establish the framework for Arctic Spatial Data Infrastructure

Principles - basemap

- Is a voluntary multilateral cooperation

- Focused on accessible authoritative geospatial reference data

- Reflects user and stakeholder needs

Principles - basemap

- Flexible – ability to deliver varies from agency to agency

- Strives to keep it simple while still envisioning the fully developed service

Principles - SDI

- Reflects user and stakeholder needs
- Aligned with the global, regional and national context
- UN Global Geospatial Information Management Iniative – UNGGIM
- US NSDI, CGDI, EU INSPIRE ….
- OGC

Principles - SDI

- Recognizes open standard principle

- Capitalizes on previous work and recognizes the evolution of standards

- It is a standardization exercise guiding and empowering the stakeholders