

Friday, 15 October 2010

## PROTOCOL – ASDI – ARCTIC SPATIAL DATA INFRASTRUCTURE – PROJECT KICK-OFF MEETING

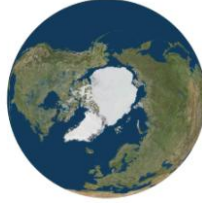
Point of time: 09.00 October 14 – 11.15 October 15, 2010  
Locality: Rue du Nord 76, 1000 Brussels, BELGIUM  
Meeting language: English

The main purpose of the meeting is to establish an interim organisation to be responsible for the production of the project plan and finalise preparations for the formal project start to be held no later than March 2011.

*This document is distributed to the participants - the original is stored by Magnús Guðmundsson. ([magnus@lmi.is](mailto:magnus@lmi.is))*

Invited participants (not able to participate, in gray colour). Heli Ursin attendend first meeting day.

COUNTRY	ORGANISATION	NAME	POSITION
Canada	NRCAN	Douglas O'Brien	Director Centre for Topographic Information
Denmark and the Faroe Islands	National Survey and Cadastre	Jens Peter Weiss Hartmann	Senior Adviser
Finland	National Land Survey	Heli Ursin	International Director
Greenland	Government of Greenland	Klaus Georg Hansen	Head of Department of Spatial Planning
Iceland	National Land Survey	Magnús Guðmundsson	Director General
Iceland	National Land Survey	Eydís L. Finnbogadóttir	Manager
Iceland	Arctic Council - CAFF	Tom Barry	Executive Secretary
Norway	Norwegian Mapping Authority	Martin Skedsmo	Arctic Coordinator
Russia	The Federal Service for State Registration, Cadastre and Mapping	Vladimir Obinyakov	Head of SDI and Navigation Department
Russia	The Federal Service for State Registration, Cadastre and Mapping	Viktor Kuznetsov	Deputy Head of SDI and Navigation Department
Sweden	Swedish Mapping, Cadastre and Land Registration authority	Jörgen Hartnor	Senior Adviser (Keynote speaker)
Sweden	Swedish Mapping, Cadastre and Land Registration authority	Owe Palmér	Senior Adviser
Sweden	Geographic Information Technology within the Barents Region	Jan Schröder	Chairman GIT Barents/Senior Adviser
USA	USGS	Larry L. Tieszen	Branch Manager Land Cover Applications and Global Change

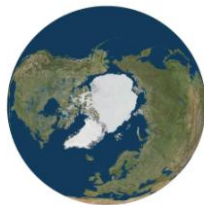


1. Welcome, introduction and appointment of chairman and secretary for the meeting  
Magnús Guðmundsson, Director General of the National Land Survey of Iceland, opens the meeting. An introduction of each participant is made (tour de table). It is agreed to have a signed protocol at the end of the meeting. As secretary of the meeting is Eydís Líndal Finnbogadóttir appointed and Jan Schröder is appointed as a Chairman of the meeting.
2. Agenda, objectives of the meeting, success criteria etc.  
The appointed Chairman, Mr. Jan Schröder, presents the agenda of the meeting, which is approved.  
It is noted, that the main purpose of the meeting is to establish an interim organisation to prepare for and start the co-operative project for the realisation of an Arctic SDI. The preparations should be finalised and presented as a Project Plan – according to the ambitions in the invitation – and allow for a formal project start no later than March 2011. This means that a number of decisions need to be taken during this meeting, among others:
  - Proposals for a project vision and overarching strategies
  - Interim project organisation for the structuring phase consisting of:
    - Appointed ASDI Coordinators as Project Steering Committee
    - Executive Project Staff
  - Time frame for project preparations, for submission of the project proposal to co-operating organisations and to the user groups, i.e. to the Arctic Council and its Workgroups.

Also planning for success, we need to briefly prepare for the Establishing Phase i.e. future distribution of work among partners. Each participating organisation should find out what kind of resources it can provide to the project, i.e. specialists in different fields such as organizational, economic and legal specialists as well as technical experts on metadata, standardisation, cartography, IT-development, etc.

We will also need to know what kind of basic geographic data (reference data) that can be put at the project's disposal.

It is noted that unanimous decisions might be required during the meeting and during continued cooperations.



3. Presentation of each National Mapping Agencies with a focus on the SDI activities  
The representatives of participating National Mapping Agencies (NMAs) –present what has been done related to SDI in each country. Slides to this item are to be found as attachments to this protocol.

Presentations are done according to the following list:

Denmark and the Faroe Islands	National Survey and Cadastre	Jens Peter Weiss Hartmann
Finland	National Land Survey	Heli Ursin
Greenland	Government of Greenland	Klaus Georg Hansen
Iceland	National Land Survey	Magnus Guðmundsson
Norway	Norwegian Mapping Authority	Martin Skedsmo
Russia	The Federal Service for State Registration, Cadastre and Mapping	Vladimir Obinyakov
Sweden	Swedish Mapping, Cadastre and Land Registration authority	Owe Palmér
USA	USGS	Larry L. Tieszen

Mr. Obinyakov presents the situation in Russia and notes that depending on the definition of the Arctic area, the amount of data for the Russian territories will vary enormously. The choice of resolution for reference data is critical.

Mr. Tieszen suggests that Arctic SDI Newsletters should be discussed and possibly implemented in co-operation with GSDI.

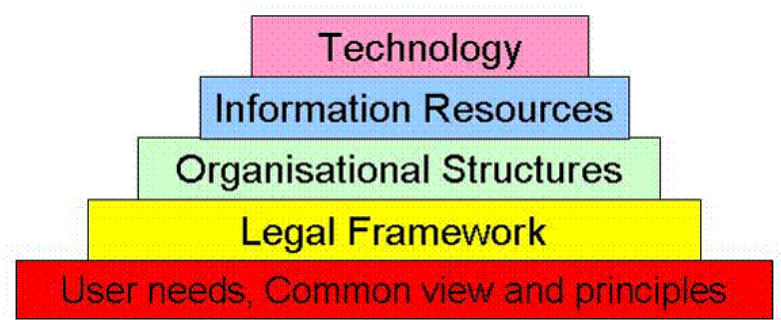
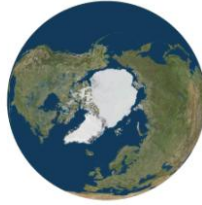
Greenland has provided funds to the CAFF Secretariat to insure progress in 2010. These funds are being used to develop web portal, reports and meetings.

The project web portal is up and running and web addresses have been registered for each country i.e. [www.arctic-sdi.org](http://www.arctic-sdi.org)

A funding application has been submitted by the CAFF Secretariat to the Nordic Council of Ministers. A decision is expected in early November.

#### 4. Building blocks for an ASDI

Mr. Jörgen Hartnor, the invited Keynote Speaker, is unfortunately prevented to participate in the meeting. Mr. Schröder presents some of the principles and building blocks for establishing an SDI, see below.



Mr. Jens Peter Weiss Hartmann informs about principles and ideas concerning the Arctic SDI, among other things the following:

- Data/standards,
- Physical infrastructure,
- Legal framework,
- Economy,
- Political communication.

#### 5. Why ASDI – a User's perspective

Mr. Tom Barry from the Arctic Council (AC) Work Group (WG) CAFF (Conservation of Arctic Flora and Fauna) informs about the AC structure and the AC working groups. He points out that AC isn't only a user of GIS data but also a producer of thematic layers. There is a need for dynamic databases replacing the static databases used today, required mainly for monitoring tasks.

An Arctic Council ministerial meeting is scheduled for May 2011. It is important to have a relevant document for that meeting presenting the Arctic SDI.

#### 6. GIT Barents

Dr. Owe Palmér, Project Manager of the GIT Barents project (Geographic Information Technology within the Barents Region, ([www.gitbarents.com](http://www.gitbarents.com)) ) presents the successfully finalised project and its result, the Barents SDI (BSDI). Some of the experiences gained during this project might be applicable also when building an Arctic SDI.

#### 7. Arctic SDI - Review of hitherto undertaken activities

Mr. Martin Skedsmo presents what has been done within Arctic SDI from the end of finalisation of the GIT Barents project 2008, until now.



## 8. Description and discussion of the Arctic SDI concept

Dr. Palmér & Mr. Skedsmo presents the elaborated (March 2010) and distributed draft Arctic SDI concept document.

### *Discussions:*

Comments were made on the presented graphic figure presenting relationships and resources concerning the proposed Arctic SDI; Climate data should be replaced by thematic data in general. Another comment is that education should be mentioned with Media and Public.

It is mentioned that there are needs to refer to best practises concerning an implementation of National SDIs following the INSPIRE directive.

Cost and financing issues are discussed. Mr. Tieszen suggests that project costs not necessarily have to be carried by participating organisations. In some cases the central governments might bear the cost.

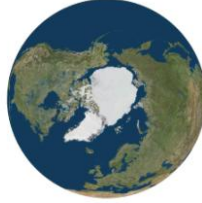
## 9. Skeleton of a Project Plan

Mr. Schröder presents some ideas for drafting of the project plan. He also presents a proposal for a project vision and overarching strategies which then are discussed.

### *Discussions.*

It is emphasised that the Arctic SDI should not be a data capturing project. Existing data should be used.

It is also emphasised that it is a need to describe more in detail the framework for exchange of data.



The following unanimous decisions are made:

- The meeting adopts the proposed vision and strategies (see below) as basis for the continued interim project work.

### *The 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.*

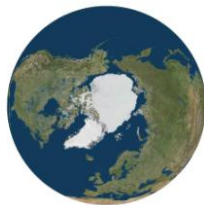
*Refer to Tom Barry (11/01/2008)*

### The overarching strategies

- Establish a joint Arctic SDI based on international standards and national reference data, thus possible to integrate with existing national SDIs.
- A framework or agreement among all co-operating organisations will be developed.
- The data is available on terms that does not prohibit its extensive use within identified user communities
- It should be easy to discover which spatial data is available, to evaluate its fitness for the intended use and to know which conditions apply for its use.
- Establishing a web based portal that enables to search, locate, view and download geodata from different sources that are physically stored in different environments

After further discussions also the following unanimous decisions are made:

- A draft plan shall be elaborated in line with the presentation.
- The plan shall contain all activities that are needed to establish an Arctic SDI.



## 10. Interim organisation and division of efforts

The Chairman presents a proposal for the interim organisations.

- The future Board is suggested to consist of the Director Generals – or corresponding managerial level – of the participating national mapping organisations. The Nordic organisations – Iceland, Norway, Denmark, Greenland, Finland and Sweden – will be represented by the Director General of the National Mapping Organisation of Iceland, Mr. Guðmundsson.
- The already appointed Arctic SDI Coordinators (see table below) are proposed to serve as the interim decision making body during the structuring phase.

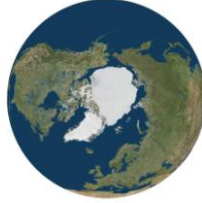
COUNTRY	ORGANISATION	NAME	POSITION
Canada	NRCAN	Douglas O'Brien	Director Centre for Topographic Information
Denmark and the Faroe Islands	National Survey and Cadastre	Jens Peter Weiss Hartmann	Senior Adviser
Finland	National Land Survey	Heli Ursin	International Director
Greenland	Government of Greenland	Klaus Georg Hansen	Head of Department of Spatial Planning
Iceland	National Land Survey	Magnus Guðmundsson	Director General
Norway	Norwegian Mapping Authority	Martin Skedsmo	Arctic Coordinator
Russia	The Federal Service for State Registration, Cadastre and Mapping	Vladimir Obinyakov	Head of SDI and Navigation Department
Sweden	Swedish Mapping, Cadastre and Land Registration authority	Owe Palmér	Senior Adviser
USA	USGS	Larry L. Tieszen	Branch Manager Land Cover Applications and Global Change

It is noted that the US representative's participation needs to be confirmed.

- Dr. Palmér and Mr. Skedsmo are proposed to serve as executive project staff with the task to elaborate a project plan – and make other necessary preparations before next meeting.
- Mr. Barry is asked to serve as the main contact point between the executive project staff and the prioritized user groups (Arctic Council's Work Groups), which he accepts. Mr. Barry will also keep the AC informed about the Arctic SDI work.

An active participation of each organisation is expected. In particular, information on the current situation in each participating organisation will be required.

The meeting discusses the proposals and unanimously approves the proposals for the decision making body and for the executive project staff during the structuring phase.



## 11. Time table

The Chairman suggests a time table for preparing the next meeting, which is proposed to be arranged in Iceland during last part of March, 2011. The following items are presented:

- Questionnaire on the existing situation in each organisation will be elaborated and distributed by the executive project staff by mid November. Answers are expected by early December.
- First version of the Concept document is finalised by the end of this meeting, comments are required before 15<sup>th</sup> of November.
- A second review of the Concept document will - if necessary - be distributed in beginning of December, 2010. Comments are required within one week.
- CAFF will organise printing and publishing of the report and present it to the Arctic Council.
- First draft of Project Plan to be submitted to Arctic SDI Coordinators by early January, 2011.
- Comments on the draft to be sent to the executive project staff no later than end of January, 2011.
- Second and last draft to be submitted the Arctic SDI Coordinators by mid February, 2011.
- Comments on this version have to be sent to the executive project staff within one week.
- Invitation to next meeting together with project plan to be distributed by the executive project staff in end of February, 2011.
- Preliminary information on what kind of resources that can be provided by participating organisations to the joint project efforts should be communicated with the executive project staff no later than mid December. It is noted that this information needs to be based on internal decisions concerning each organisation's financing of its project participation.

The meeting discusses the proposed time table and decides accordingly.

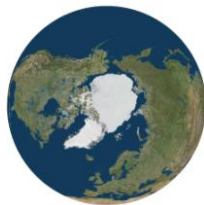
## 12. Summing up and confirmation of decisions

The meeting and decisions taken are reviewed. After discussions amendments are made.

## 13. Next meeting

It is decided that the next meeting shall take place during late March, 2011 in Iceland. The purpose of that meeting is to make everything ready to approve the project plan and start actual work.





### Close of meeting

Hereby the Chairman gives the word to Mr. Guðmundsson who thanks the attendees of the meeting for their active and constructive participation. He is looking forward to see everyone in Iceland next year.

Brussels as above

Jan Schröder, *Appointed Chairman of the meeting*

Eydis Líndal Finnbogadóttir, *Appointed Secretary of the meeting*

This protocol is today, Friday, October 15, 2010, approved/signed by the appointed National ASDI Coordinators.

Douglas O'Brien, NRCAN, Canada:

Jens Peter Weiss Hartmann, KMS, Denmark:

Heli Ursin, NLS, Finland:

Klaus Georg Hansen, Government of Greenland:

Magnús Guðmundsson, NLS, Iceland:

Tom Barry, AC CAFF:

Martin Skedsmo, NMCA, Norway:

Larry L. Tieszen, USGS, USA:

Vladimir Obinyakov, Rosreestr, Russia:

Owe Palmér, Lantmäteriet, Sweden: