ARCTICDATACOMMITTEE



An Overview of International Data Coordination Activities

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Formation of the Arctic Data Committee, Nov. 2014

1st Meeting of the IASC Data Standing Committee (IDSC) and SAON Committee on Data and Information Services (CDIS)

Report of the 1st Meeting of the Arctic Data Committee



Meeting Details

Meeting: 1st Meeting of the IASC Data Standing Committee (IDSC) and SAON Committee on Data and Information Services (CDIS)

Time: 10 November 2014, 14:00 - 18:00; 11 November 08:30 - 13:00 (CET)

Location:

Mercure Hotel Potsdam City Lange Brücke 14467 Potsdam Germany Room: Studio 1+2.

http://www.arctichub.net/groups/adcn/wiki/MainPage/IDSCCDISOverview

Second ADC

- Oct. 26,27 2015
- Held in conjunction with Second Polar Data Forum, Waterloo, Canada
- First joint meeting with ADC and Standing Committee on Antarctic Data Management



Admin & Gov: Revised ToR

ARCTICDATACOMMITTEE



http://arcticdc.org

DRAFT TERMS OF REFERENCE

Version 0.91 4 March, 2016

Arctic Data Committee Terms of Reference

The Arctic Data Committee (ADC) is a merge of the former Data Standing Committee of the International Arctic Science Committee (IASC) and the Committee on Data and Information Services (CDIS) of the Sustaining Arctic Observing Systems (SAON). See http://arcticdc.org for more details.

1. Purpose

The overarching purpose of the ADC is to promote and facilitate international collaboration towards the goal of free, ethically open, sustained and timely access to Arctic data through useful, usable, and interoperable systems.

Summary of ToR

- Advise IASC and SAON
- Contribute to the understanding of the nature and structure of the Arctic data ecosystem in the context of the global data system.
- In keeping with the The IASC Statement, promote and enable:
 - Ethically open access to data.
 - Norms of fair attribution and use
 - Long term access to usable data.
- Facilitate the adoption of standards
- Facilitate interoperability of data and
- Establish expert groups to examine specific questions or coordinate implementation
- Coordinate the review of data management plans

Admin & Gov: Executive

- New executive structure
- Follows IASC model
- Chair + 2 vice chairs
- New vice chairs:
 - Stein Tronstad, Norway
 - Marten Tacoma, Netherlands



Outreach: Website

ARCTICDATACOMMITTEE



HOME ABOUT US ACTIVITIES MEETINGS PRODUCTS MEMBER AREA

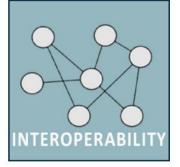


ADC News

Arctic Science Summit Week: IARPC Data Collaboration Team Open Town Hall Meeting 7 Mar 2016



Arctic Data



Interoperability



Get Involved!

Designed & hosted by Arctic Portal

http://arcticdc.org/

Welcome to the Polar Data Forum II website!

Registration

http://www.polar-data-forum.org/ Scope of the Forum

Venue



The Importance of the Polar Regions for

Programme

The Polar Regions are experiencing dramatic change. Understanding their complex dimensions (environmental, climatic, social, economic, and geophysical) is critical to grasping the global system and defining our future. Data are an invaluable resource. The coordinated capture, analysis, storage, stewardship, and sharing of scientific data along with Indigenous knowledge helps society better understand the regional and global impacts of Polar changes. But these data management activities present considerable technical,



In October of 2015, more than 110 people gathered at the Second Polar Data Forum to make polar data more useful and valuable in solving global problems.

The Second Polar Data Forum

Abstracts

In 2013, at the First Polar Data Forum in Tokyo (PDF I), the community identified issues and made observations and recommendations on polar data management. PDF I focused on mproving how people and systems can share data in a meaningful way. The goal was to move towards open and connected systems based on a culture of trust and acknowledgement of data production and use.

PDF II highlighted the significant progress in polar data management that has been made since PDF I and also identified priorities as we move forward. The community reconfirmed the themes of PDF I, identified key new themes that have evolved, and planned a set of actionoriented recommendations and activities.

Key Themes Emerging from PDF II

Including Arctic Indigenous Perspectives: In this time of change, Indigenous knowledge and the underlying observations of Arctic peoples are more important than ever. Increasingly, this knowledge is being documented and represented as digital data, but the nuances of these data are not well understood by the broader data management and science community. The perspectives of Indigenous people must be heard directly. This will enhance



Arctic Sea Ice minimum, September 2013 (NASA)



Supporters







Related documents

 First Circular and Summary -posted 22 April 2015

Important dates

Registration and Abstract Systems

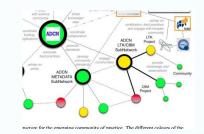
er 27 - 29, 2015 in Waterloo, Ontario, Canada to build on successes

Key Priorities (WPs)

- Documenting and understanding the Arctic data management ecosystem
- 2. Identifying and promoting common metadata elements
- 3. Engaging in data citation and publication movement
- 4. Communications, outreach and partnership

Documenting and understanding the Arctic data ecosystem

- First work package of ADC
- Network/concept map & geographic map



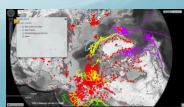
- Visual product... built on "linked data" database
- Initially using manual methods to build database over time this can be complemented by (semi-)automatic methods











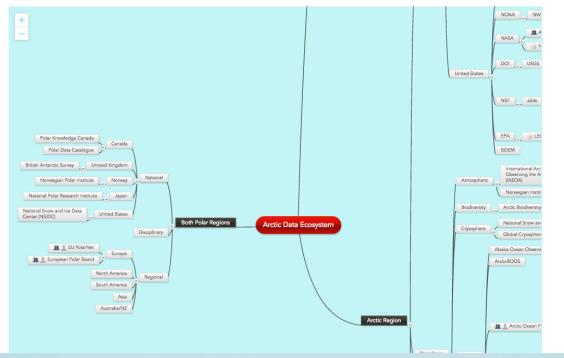
Mapping the Ecosystem

Arctic Data Ecosystem Map (DRAFT)

The objective of this activity is to establishing a map of the arctic data management "ecosystem" or "universe". This will be both a concept map indicating projects, services and relationships as well as a geographic map indicating location. The effort was started during the first meeting of the ADC in Potsdam, Germany, November 2014 and is an ongoing activity. The roadmap for this project includes establishing a linked open data end point that will allow people to query the database (i.e. using SPARQL).

The interactive map below is under active development in collaboration with communities of practice can other parters. This version is a preliminary, incomplete draft. If you would like to contribute to the effort, please contact peter pulsifer attocolordo (dot), edu

Task lead: Peter Pulsifer, NSIDC/ELOKA, University of Colorado, USA



Network Building

- Network building and in particular building connections with external bodies focused on various aspects of data management, sharing and use is a priority.
- Included applying for a World Data System membership, memorandum of cooperation with the Standing Committee on Antarctic Data Management.
- A network building work package will be developed in Year 2 of ADC operations.

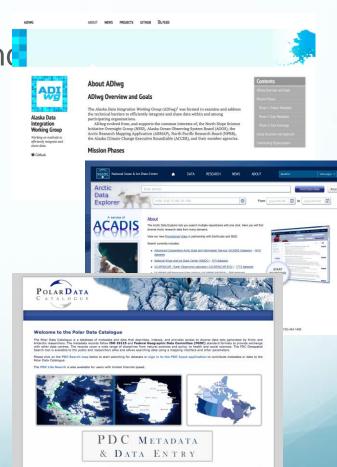
Engaging in Data Citation and Publication Movement

- Data citation and publication movement rapidly advancing
- ADC research revealed many existing resources available
- Summary document for polar research under development (June 2015)
- Led by: Alex Tate, UK

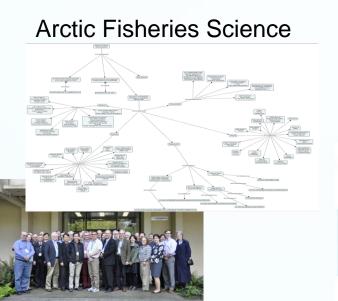


Identifying Common Metadata Elements

- Important need identified by the broader polar and global science and data management communities
- Many existing projects
- ADC working to identify existing consensus as a starting point for international specification
- Led by: Julie Friddell, Canada



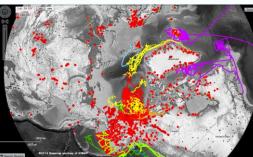
Developing Partnerships with Communities of Practice



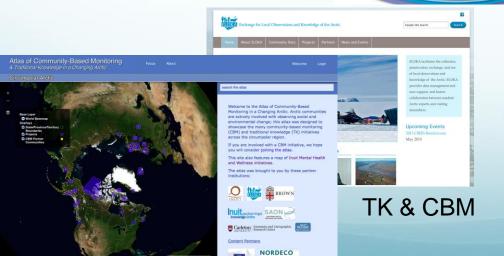




Arctic Observing



http://www.arcticobservingviewer.org/



Regional Initiatives



Network Building

- Network building and in particular building connections with external bodies focused on various aspects of data management, sharing and use is a priority.
- Included applying for a World Data System membership, connection to RDA, WMO, GEO memorandum of cooperation with the Standing Committee on Antarctic Data Management.
- A network building work package will be developed in Year 2 of ADC operations.

SCADM MoC

Memorandum of Cooperation

Between

The SCAR Standing Committee on Antarctic Data Management

AND

The IASC-SAON Arctic Data Committee

Background

The SCAR Standing Committee on Antarctic Data Management was established in 2009 to continue to the work of the Joint Committee on Antarctic Data Management (est. 1997).The mandate of SCADM includes but is not limited to:

- Promotion of Antarctic data management
- Establishing Antarctic data management policies and priorities
- · Establishing Antarctic data management policies and priorities
- Reporting to SCAR on Antarctic data management issues

More information about SCADM can be found at: http://www.scar.org/scadm

The IASC-SAON Arctic Data Committee (ADC) was established in 2014 based on a recommendation made in the IASC Statement of Principles and Practices for Arctic Data Management (April 16, 2013). The overarching purpose of the ADC is to promote and facilitate international collaboration towards the goal of free, ethically open, sustained and timely access to Arctic data through useful, usable, and interoperable systems. This includes but is not limited to:

Advising IASC and SAON on matters related to data management and data sharing;

Next Steps

- Continue facilitating collaboration and establishing partnerships (e.g. OGC, International Data Week)
- Communications and outreach
- Establish resources for priority projects