

Sustainable Arctic Observation Network (SAON)

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Mission and Vision

The *Mission* of SAON is to support and strengthen the development of multinational engagement for sustained and coordinated pan-Arctic observing and data sharing systems that serve societal needs, particularly related to environmental, social, economic and cultural issues.

The *Vision* of SAON is well-defined observing networks that enable users to have access to free, open and high quality data that will realize pan-Arctic and global value-added services and provide societal benefits.



SAON – outside the scope

SAON will **not** undertake science planning, policy setting, conduct observations, data archival, or funding of these efforts, which will remain the responsibility of the ongoing networks/sites/systems and data centers, the organizations that support them, or appropriate policy officials

SAON Membership

- All interested parties through national bodies and Permanent Participants
- Indigenous organisations (PPs): AIA, ICC, Saami Council
- All eight Arctic Council nations
- Non-AC countries: China, Germany, Italy, Japan, Korea, Poland, Spain, UK
- AC Working Groups
- Organisations: European Commission, EEA, GEO, ICES, IPA, ISAC, WMO (more)
- Networks: IASOA, INTERACT (more)

SAON is a joint effort of the **Arctic Council** (through AMAP) and the **International Arctic Science Committee**



Foundational statements

Arctic Observing Summit (2016):

- Coordinate the *implementation of a pan-Arctic observing system* with regional and global observing initiatives (...)
- (...) develop a *broad, globally connected Arctic observing data and information system of systems*

Arctic Science Ministerial (2016):

- SAON (..) a critical contributor to 'Strengthening and Integrating Arctic Observations and Data Sharing'



SAON Framework

- Task-based strategic activities that allow bottom-up and top-down implementation and achievement of key strategic goals
- Strategic activities conducted through SAON Committees
- Focus on leveraging existing efforts and networks; not on building redundant ones
- Engagement through the Arctic Observing Summit (Davos, 2018), Polar Data Forum series, and others

SAON and GEO / GEOCRI

- SAON is a Participating Organisation to the Group on Earth Observations (GEO), acting as the “Arctic Extension” / Liason for GEOSS/GEO.
- The aspiration is that SAON will step up as ‘ArcticGEOSS’.
- SAON is through the Committees currently contributing to the GEO Cold Regions Initiative (GEOCRI), an initiative across the Arctic, Antarctic, high-latitude oceans, Himalaya-Third Pole and High-Mountain areas.



Arctic Framework Social Benefit Areas (mapped to GEO SBAs)

- 1. Disaster Preparedness** (*Disaster Resilience*)
- 2. Environmental Quality**
- 3. Food Security** (*Food Security and Sustainable Agriculture*)
- 4. Fundamental Understanding of Arctic Systems**
- 5. Human Health** (*Public Health Surveillance*)
- 6. Infrastructure and Operations** (*Infrastructure and Transport Management*)
- 7. Marine and Coastal Ecosystems and Processes** (*Biodiversity and Ecosystem Sustainability*)
- 8. Natural Resources** (*Energy and Mineral Resources Management*)
- 9. Resilient Communities**
- 10. Sociocultural Services**
- 11. Terrestrial and Freshwater Ecosystems and Processes** (*Biodiversity and Ecosystem Sustainability*)
- 12. Weather and Climate**

Committees

- Arctic Data Committee (ADC)
 - Led by Peter Pulsifer, US National Snow and Ice Data Center
- Committee on Observations and Networks (CON)
 - Led by Lisa Loseto, Fisheries and Oceans, Canada, Hannele Savela, INTERACT



SAON CON Goals

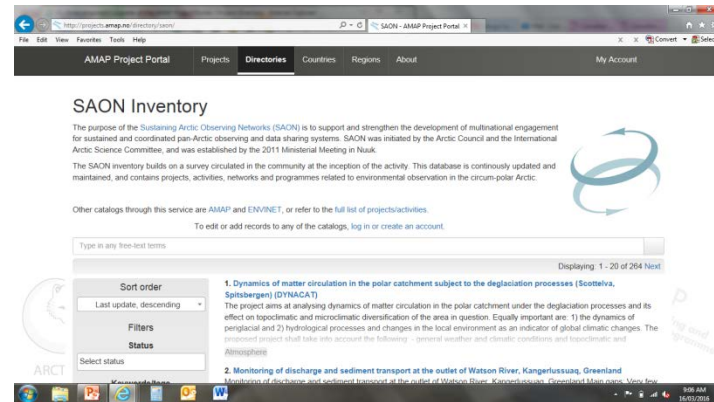
CON - the "home of the networks"

- ✓ provision of information on the baseline arctic observational assets
- ✓ improvement of the Arctic observing networks (i.e. identify synergies, gaps, duplication)
- ✓ sustainability of observational platforms among nations and organizations (including indigenous peoples)
- ✓ improved planning (including funding) of current and future observational systems

Example: Inventory

“The Committee will be develop and implement a plan for the establishment of an inventory and related gap analysis of circum-Arctic observational and monitoring assets”

In cooperation with EU-PolarNet: “Inventory of existing monitoring and modelling programmes”



SAON Inventory

The purpose of the Sustaining Arctic Observing Networks (SAON) is to support and strengthen the development of multinational engagement for sustained and coordinated pan-Arctic observing and data sharing systems. SAON was initiated by the Arctic Council and the International Arctic Science Committee, and was established by the 2011 Ministerial Meeting in Nauyas.

The SAON inventory builds on a survey circulated in the community at the inception of the activity. This database is continuously updated and maintained, and contains projects, activities, networks and programmes related to environmental observation in the circum-polar Arctic.

Other catalogs through this service are AMAP and ENVNET, or refer to the full list of projects/activities.
To edit or add records to any of the catalogs, log in or create an account.

Type in any free-text terms

Displaying: 1 - 20 of 264 Next

Sort order
Last update, descending

Filters
Status
Atmosphere

1. Dynamics of matter circulation in the polar catchment subject to the deglaciation processes (Scottelva, Spitsbergen) (DYNACAT)
The project aims at analysing dynamics of matter circulation in the polar catchment under the deglaciation processes and its effect on topoclimatic and microclimatic diversification of the area in question. Equally important are: 1) the dynamics of periglacial and 2) hydrological processes and changes in the local environment as an indicator of global climatic changes. The proposed project shall take into account the following: general weather and climatic conditions and topoclimatic and

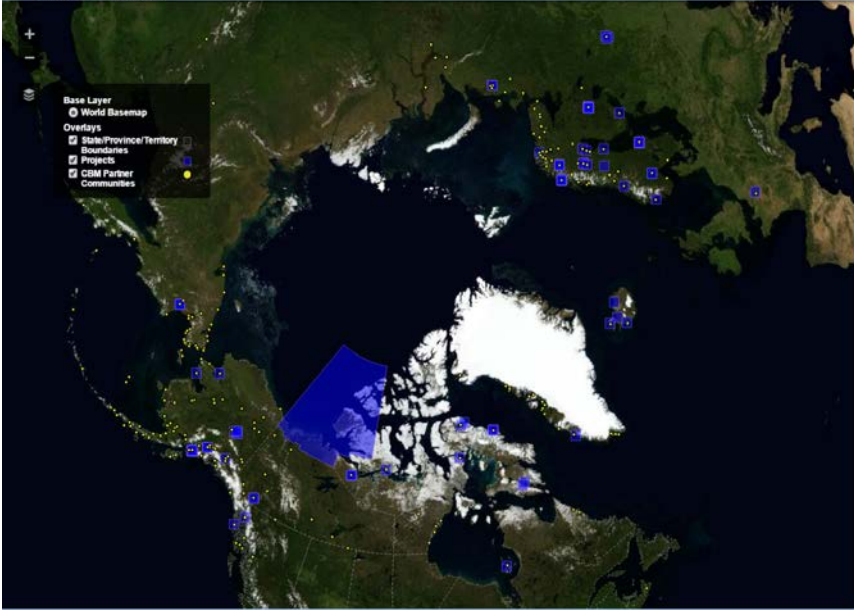
2. Monitoring of discharge and sediment transport at the outlet of Watson River, Kangerlussuaq, Greenland
Monitoring of discharge and sediment transport at the outlet of Watson River, Kangerlussuaq, Greenland

Thematic Inventories

CBM Atlas

Atlas of Community-Based Monitoring
& Indigenous Knowledge in a Changing Arctic
Welcome Login

Circumpolar Arctic






search the atlas



Welcome to the Atlas of Community-Based Monitoring in a Changing Arctic. Arctic communities are actively involved with observing social and environmental change; this atlas was designed to showcase the many community-based monitoring (CBM) and Indigenous Knowledge (IK) initiatives across the circumpolar region.



If you are involved with a CBM initiative, we hope you will consider [joining the atlas](#).

This site also features a map of Inuit Mental Health and Wellness initiatives.



The atlas was brought to you by these partner institutions:

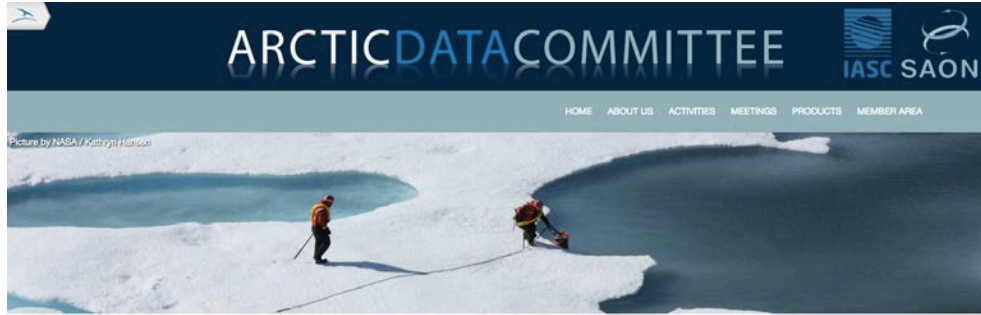
Content Partners

Made with Humant

Arctic Data Committee

<http://arcticdc.org/>



ADC News

ASSW / ADS 2016
14 Mar 2016

Memorandum of Cooperation

Between

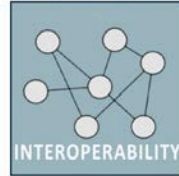
The SCAR Standing Committee on Antarctic Data Management

AND

The IASC-SAON Arctic Data Committee



Arctic Data



Interoperability



Get Involved!

Designed & hosted by Arctic Portal

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:

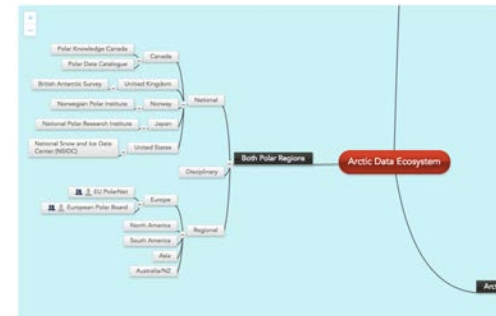
- Promotion of Antarctic data management
- Establishing Antarctic data management policies and priorities
- Establishing Antarctic data management policies and priorities
- Reporting to SCAR on Antarctic data management issues

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;

Identifying common metadata elements





Arctic Data Committee



- Formed Nov '14
- IASC-SAON partnership
- National and voluntary members + Indigenous (2017)
- Promote and enable:
 - **Understanding the system**
 - **Effective data policy**
 - **Infrastructure**
 - **Ethically open access**
 - **Attribution**
 - **Standards and interoperability**



Report of the 1st Meeting of the Arctic Data Committee



Meeting Details

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

Title: 10 November 2014, 14:00 - 18:00, 11 November 08:00 - 13:00 (CET)

Location:
Bilgaard House, Potsdam City
Large Building
14407 Potomac
Maryland
Phone: 301-341-1411



<http://arcticdc.org>

Statement of Principles and Practices for Arctic Data Management
April 16, 2013

All IASC-endorsed scientific results shall be verifiable and reproducible through ethically open access to all data necessary to produce these results. Data shall be preserved, accessible, and used in accordance with scientific norms of fair attribution and use.

To this end, IASC Council approves the following actions:

1. Endorsement of the Statement of Principles and Practices for Arctic Data Management;
2. Establishment of an IASC Data Standing Committee;
3. To undertake measures towards adoption of national data policies consistent with

More information: www.arcticobserving.org

SAON
SUSTAINING ARCTIC
OBSERVING NETWORKS

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Home

Photo: Martin Fortner

SAON on the Map

Events

- 8-20 May 2016: 2nd Pan-Eurasian Experiment (PEEX) Science Conference & the 6th PEEX Meeting
- 16-17 March 2016: Meeting of the SAON Board
- 14 March 2016: Meeting of the SAON Committee on Observations and Networks (CON)
- 14 March 2016: IARPC Arctic Data Coordination Team open town hall meeting
- 15-18 March 2016: Arctic Observing Summit
- 13 March 2016: Pacific Arctic Group (PAG): Business Meeting

News

- APECS is seeking a new host for the International Directorate
- Old weather
- Integrating Arctic Research
- Polar Data Forum update
- Arctic 100 Expedition in spring / summer 2017
- CAFF's Webinar series: Land Cover Change Index