



ARCTIC OBSERVING SUMMIT AND 3RD AOS, 2016

Design, coordination and implementation
of a pan-Arctic Observing System

www.arcticobservingsummit.org

THE SUMMIT

The Arctic Observing Summit (AOS) is an international, biennial forum of stakeholders, managers, scientists, agencies, Arctic community members and the private sector. The purpose is to coordinate the design, development and implementation of a comprehensive, sustained and iterative pan-Arctic observing system. The International Study of Arctic Change (ISAC) leads the planning and development of the AOS, a Sustaining Arctic Observing Networks (SAON) task.



THE CHALLENGES

The rate of current Arctic environmental change is unprecedented, with impacts already widely felt. The nature of the future Arctic system is unpredictable although it is anticipated that shifts will continue across the biophysical and human components, and in the broader global system. Managing and adapting to change requires international and cross-disciplinary cooperation in the design, implementation and maintenance of a comprehensive Arctic Observing System. The system must meet present and future needs by providing information that is useful for addressing the diverse societal and scientific challenges presented by a changing Arctic.



AOS THEMES AND AOS-2016

The AOS-2013 (Canada) and AOS-2014 (Finland) included participants from 30 countries who contributed white papers and perspectives on AOS themes: (1) current observing capacity; (2) design and coordination; (3) stakeholder engagement and perspectives on needs and design; (4) support, sustainability, implementation and operation; (5) technology and innovation; (6) remote sensing solutions; and (7) data management, accessibility and interoperability. Future Summits will continue to address these and other emerging issues with the goal of leading to improvements in all areas, including addressing logistic and sustainability challenges, gaps in observation, and international coordination. **The next AOS will be held in March 2016 in Fairbanks, Alaska; planning is underway! www.assw2016.org/en/ASSW2016/about**



PARTNERS AND COLLABORATORS

Observing systems provide long-term data from a range of environments and sites within and beyond the circum-Arctic region to capture variability and ongoing change across all system components and scales. AOS 2016 partners include ISAC, IASC, SAON, IARC, SEARCH, and many other national and international agencies, Arctic indigenous organizations, funding bodies, academia, the private sector and NGOs. All interested parties are encouraged to participate. To get involved or learn more, please visit www.arcticobservingsummit.org or contact us at the ISAC International Program Office.



International Study of Arctic Change (ISAC) International Program Office

Arctic Institute of North America, University of Calgary

2500 University Dr. N.W., ES-1040, Calgary, Alberta, Canada T2N 1N4 • 403.220.7294 • gabriela.ibarguchi@ucalgary.ca

ARCTIC OBSERVING SUMMIT

www.arcticobservingsummit.org

OUR PARTNERS



UNIVERSITY OF
CALGARY



Inuit Circumpolar Council
Canada



ARCTIC COUNCIL



International Study of Arctic Change (ISAC) International Program Office

Arctic Institute of North America, University of Calgary

2500 University Dr. N.W., ES-1040, Calgary, Alberta, Canada T2N 1N4 • 403.220.7294 • gabriela.ibarguchi@ucalgary.ca