

International Conference on Arctic Science: Bringing Knowledge to Action

April 24-27, 2017 Reston, Virginia, USA

Organized by the Arctic
Monitoring and Assessment
Programme (AMAP)



**FIRST CALL
FOR ABSTRACTS**

The Conference

Building on the 2011 *Arctic Messenger of Change Conference* held in Copenhagen, Denmark, the 2017 *International Conference on Arctic Science: Bringing Knowledge to Action* will provide updated scientific, decision-making and policy-relevant information across a broad array of different Arctic issues and related scientific disciplines. Emphasis will be on what state-of-the-art research is now telling us about present and future change within the Arctic- and its implications for policy- and decision-making. Organized to include plenary and breakout sessions covering both disciplinary and interdisciplinary perspectives, results from the various sessions will be used in shaping future science priorities and strategies across the Arctic Council's six Working Groups.

Background

The Arctic is a complex system that is undergoing rapid change. At the same time, it is one of the few systems on the planet where the consequences of change are presently observed. Drivers of these changes include climate, population dynamics, socioeconomic development, geopolitics and national security, contaminants and pollution, energy use and demand and tourism. The projected impacts of these drivers on the regions socioeconomic and natural resources (living and non-living) are likely to be unprecedented in human history. Thus, the implications for policy, both within the Arctic as well as beyond, are enormous. A sound scientific basis for improved knowledge is the key to developing appropriate and effective policy-responses including adaptation actions, enhancement of resilience and implementation of mitigation activities. The conference will present the latest science and facilitate, synthesize and summarize the science-policy dialogue.





Topics Addressed

- **The Arctic Cryosphere** – Past, Present and Future Climate Change and related Impacts
- **Pollution in the Arctic** – Sources, Pathways and Effects
- **Human Health** Aspects of Pollution and Climate Change
- **Arctic Ocean Acidification** – Current and Future Processes and Consequences
- **Global and Arctic Systems Feedback Mechanisms** – Science and Consequences
- **Resilience** Within Arctic Ecosystems
- **Science and Policy-Making** – Successful Deployment of Multilateral Adaptation, Mitigation and Climate Intervention Science Policy
- **Socio-Economic Drivers and Impacts** of Arctic Change

Call for Abstracts

Participants are invited to submit abstracts on research and findings relevant to the topics identified above, including reports from observational, process-based research, and experimental and modelling studies of past, present and future change in the Arctic.

Abstracts for proposed oral and poster presentation (550 word maximum; excluding author names and affiliations) should be forwarded to the Conference organizers at 2017Conference@amap.no. Deadline for abstracts is **November 15, 2016**. Selection of oral and poster presentations will take place and speakers and presenters will be informed by **January 10, 2017**.

The printed Conference program will include abstracts of the accepted oral and poster presentations.

Who Should Attend?

Experts and students working in developing or enhancing any information that supports a better understanding of the Arctic system while empowering a diverse user community that includes:

1. All aspects of decision- and policy-making in the face of complex and rapid change in the Arctic
2. Representatives of Arctic-affiliated stakeholder groups including northern residents and indigenous peoples and
3. Others affected by Arctic change

[Send Abstract](#)



Pre-registration

If you are interested in participating, please send an e-mail to the AMAP Secretariat at 2017Conference@amap.no for a preliminary (non-binding) registration. This will ensure that you receive further information about the Conference as it becomes available. Some financial support will be available to assist participation of young scientists in the Conference.

[Sign Up](#)

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Conference Organizing Committee

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Martin Forsius, AMAP Working Group Chair

Thomas Armstrong, AACAA Chair

Samantha Brooks, Madison River Group

Jeremy Mathis, NOAA

Simon Wilson, AMAP

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