

Description of ASM3 Webinar: Theme 3, Respond

The next webinar of the 3rd Arctic Science Ministerial (ASM3) Webinar Series will focus on Theme 3: Respond. An overview of progress in responding to Arctic change since ASM2 will be shared as well as new projects and activities on the horizon. This will be followed by a series of short presentations highlighting a few projects submitted by ASM3 participating countries and organizations. Recommended Actions to increase Arctic sustainability and resilience will be presented. A short Q&A will follow.

15 April 2021, 16:00 UTC

Introduction

[Lindsay Arthur, ASM3 Organizing Committee]

Overview of Theme 3: Respond – Progress since ASM2 and Upcoming Projects

[Embla Eir Oddsdóttir, ASM3 Science Advisory Board Co-Chair]

Highlighted Projects from Theme 3: Respond

[Moderator: Embla Eir Oddsdóttir, ASM3 Science Advisory Board Co-Chair]

HYdrology, PERmafrost and resilience in Eastern Russian Arctic and Subarctic (HYPE-ERAS)

[David Gustafsson, Swedish Meteorological and Hydrological Institute, Sweden]

Arctic Community Resilience to Boreal Environmental change: Assessing Risks from fire and disease (ACRoBEAR)

[Steve Arnold, University of Leeds, UK]

ARC-NAV: Arctic Robust Communities-Navigating Adaptation to Variability Joint research project: ARC-NAV: Arctic Resilient Communities - a study of adaptation to environmental variability.

[Abigail York, Arizona State University, USA]

Local 2 Global

[Selma Ford, ICC, Canada]

COVID-19 in the Arctic

[Jennifer Spence, SDWG Executive Secretary]

Recommended Actions

[Liza Mack, ASM3 Science Advisory Board Member]

Question and Answer Session

Wrap-up and Announcement of Upcoming Webinars

End: 17:00 UTC

Background: Theme 3, Respond

Respond: *Sustainable development; Evaluation of vulnerability and resilience; Application of Knowledge*

Warming at twice the speed of the global average, the Arctic is experiencing drastic changes in both the physical and ecological environment. The changes are visible in many natural phenomena, and their impacts to culture and society are also becoming clearer. It should be noted, as reported in the IPCC Special Report on the impacts of global warming of 1.5°C, that further warming will continue at least until mid-century, and will likely occur regardless of any prompt action taken to reduce carbon emissions. It is, therefore, a matter of urgency to consider and implement adaptation and mitigation measures for the sustainable future of the Arctic including taking global action to slow down climate change, seeking sustainable development opportunities for the Arctic region, and supporting adaptation and mitigation strategies for Arctic residents. This approach requires making full use of the scientific and Indigenous Arctic knowledge system.