



## Arctic Science Summit Week 2023

Networking Lunch and Poster Session, 12:30-14:00  
Open Community Meeting, 14:00–18:00 (all times CEST)  
Hörsaal 3, Main Building, University of Vienna & Online

Sponsored by IASC

# Towards Sustainable Infrastructure: Environmental, Technological, and Societal Impacts of Development in the Arctic

MONDAY 20 FEBRUARY 2023 / 12:30 - 18:00 CEST (GMT+1)

The 2023 RATIC cross-disciplinary workshop at Arctic Science Summit Week will focus on recent progress in projects from around the Arctic that are addressing the impacts of infrastructure and climate on lands and people in the Far North. We will also look to the future with strategies to advance sustainable Arctic infrastructure as a key research theme in the upcoming ICARP IV process and discussions on the future of RATIC as an international multidisciplinary research network. The open community meeting will be preceded by a free networking lunch and poster session. This cross-cutting activity is supported by IASC's Terrestrial, Cryosphere, and Social & Human Working Groups.

## REGISTRATION

[ASSW 2023 registration](#) is required for in-person and online attendance at the meeting.

If attending in person, please also [sign up for the free pre-workshop lunch and poster session](#).

## AGENDA

*Times listed are for Vienna, Austria (CEST). Subtract 1 hour for Greenwich Mean Time.*

- 12:30 Networking lunch and open poster session ([please sign up](#))
- 14:00 Welcome and introduction, *Olga Povoroznyuk and Howie Epstein*
- 14:15 Permafrost as a frozen commons, *Kelsey Nyland & Vera Kuklina*
- 14:30 Creating community pride and ownership of infrastructure through public art in Alaskan villages, *James Temte*
- 14:45 Changing reindeer grazing patterns in the border area of Finland and Norway, combining aerial photographs, UAV and Eddy covariance methods, *Miguel Villoslada, Timo Kumpula, Henni Yläanne & Sari Juutinen*
- 15:00 Design and data in the built environment of the Arctic, *Matthew Jull & Leena Cho*
- 15:15 Large sociotechnical systems in a changing Arctic: insights from REXSAC Nordic Center of Excellence, *Dag Avango*
- 15:30 Coffee Break
- 16:00 Multi-scale spatiotemporal monitoring of permafrost degradation using distributed acoustic and temperature sensing, *Ming Xiao*
- 16:15 Building Arctic futures: infrastructure projects and local scenarios, *Peter Schweitzer, Olga Povoroznyuk & Nikita Strelkovskii*
- 16:30 ICARP IV Overview, *Andrey Petrov & Matt Druckenmiller*
- 16:45 RATIC: Past & Future, *Skip Walker*
- 17:00 Discussion: Strategies for advancing Arctic infrastructure research through RATIC & ICARP IV
- 18:00 Adjourn

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### Meeting Co-Chairs:

Olga Povoroznyuk, University of Vienna  
Howard Epstein, University of Vienna

**Coordinator:** Jana Peirce, University of Alaska

### RATIC Co-Chairs:

Donald A. (Skip) Walker, University of Alaska  
Peter Schweitzer, University of Vienna

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