

RATIC meets T-MOSAiC: Sharing Best Practices in Research on Infrastructure in the Arctic

21 March 2021 | 15:30–18:30 GMT



Zoom Housekeeping

- Please be aware that this session will be video recorded. If you don't want to appear in the video, keep your camera off.
- Mute your microphone when not speaking.
- Please have your name shown in zoom
- Use the chat to present questions to speakers



RATIC is the Infrastructure Action Group of T-MOSAiC

Terrestrial Multidisciplinary distributed Observatories for
the Study of Arctic Connections



Focuses on MOSAIC
discoveries of relevance
to Arctic communities,
infrastructure, and IRPS



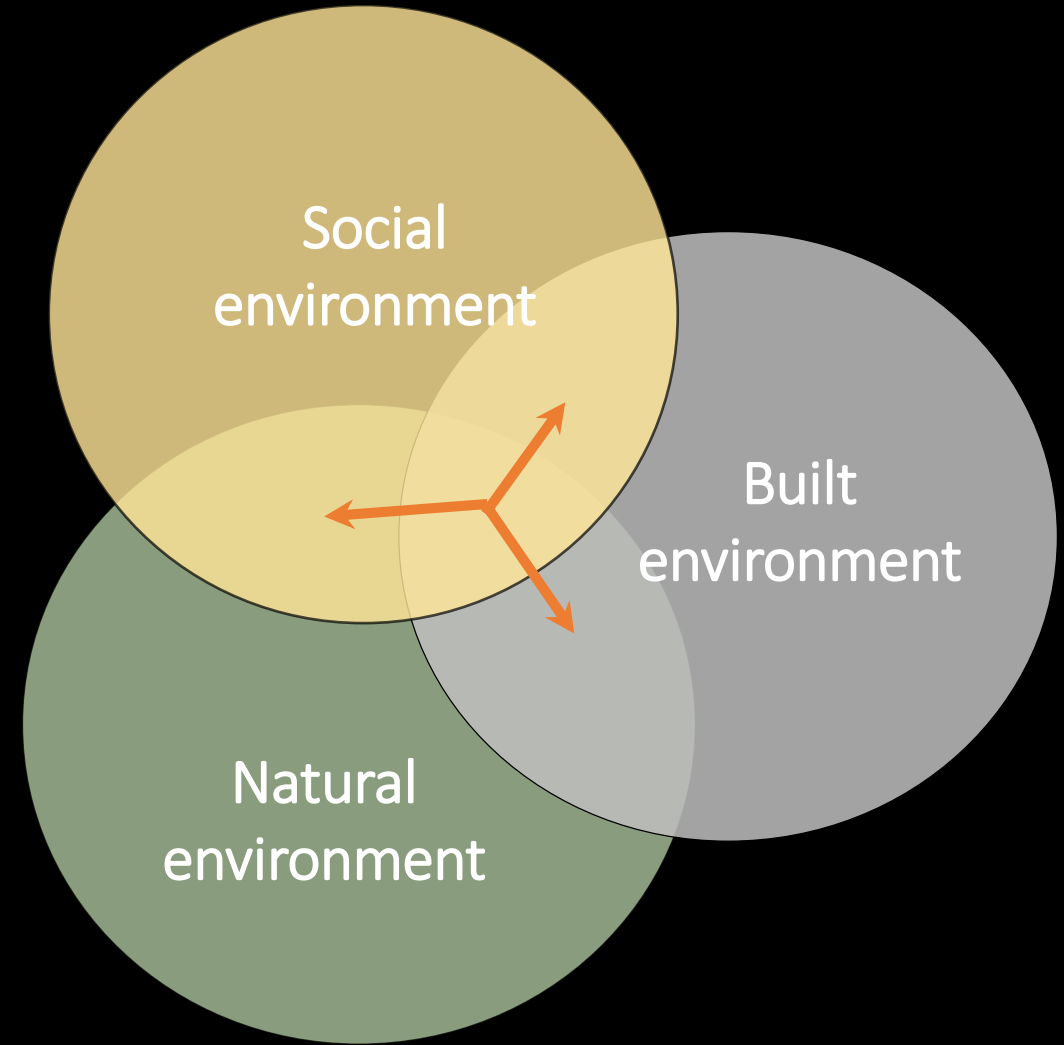
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T-MOSAiC

Objective: Coordinate complementary activities that aid and benefit from MOSAIC by extending the work to the lands surrounding the Arctic Ocean and to the northern communities who live on those lands.

RATIC/T-MOSAIC Workshop Framework



Adapted from: NSF Navigating the New Arctic (NNA) framework

| 15:30 | Welcome and Introductions | Conveners |
|-------|--|------------------------------------|
| 15:40 | T-MOSAIC: Progress, updates and opportunities for the RATIC Action Group | Warwick Vincent, João Canário |
| 15:50 | Understanding the Changing Natural-Built Landscape in an Arctic Community: An Integrated Sensor Network in Utqiagvik, Alaska | Howard Epstein |
| 16:05 | Project update: Landscape change and adapting to change in ice-rich permafrost systems in Prudhoe Bay and Point Lay, Alaska | Skip Walker, Jana Peirce |
| 16:20 | Monitoring of infrastructure across the Arctic with Sentinel-1 and -2 | Annett Bartsch |
| 16:35 | Arctic Active Layer Monitoring for Infrastructure Management | Thomas Ingeman-Nielson |
| 16:50 | Break | |
| 17:05 | Application of the geotemperature modeling to indicate the danger of geocryological processes in natural and disturbed landscapes | Dmitrii Sergeev |
| 17:20 | Implementing INFRANORTH: Engaging Communities in Research on Transport Infrastructures in the Arctic | Peter Schweitzer, Olga Povoroznyuk |
| 17:35 | People about Longyearbyen as a physical framework: Experiences from a collaborative research project about uses and perceptions of the built environment of Longyearbyen, Svalbard | Alexandra Meyer, Lilli Wickström |
| 17:50 | Community-led Perspectives on Infrastructure Design for Food Sovereignty: A Reflective Learning Experience with Inuit Communities in Canada | Ranjan Datta |
| 18:05 | Combining remote sensing and participatory mapping: experience from Informal Roads project | Vera Kuklina |
| 18:20 | Announcements: Monthly RATIC Science Talk Series & RATIC Workshop plans for ASSW 2022 in Tromso, Norway | Conveners |