

# Arctic Telecommunications Infrastructure: Past, Present and Future

**Timing:** 17-18 September 2025

**Place:** Arctic Centre, University of Lapland (Rovaniemi)

**Language and format:** English, onsite event

**Registration:** Free of charge, pre-registration is needed

<https://forms.gle/4KwDmpch3rwGstZp6>

**Organized by:** Telecommunications infrastructure, time, community, and the Arctic environment-project

**Supported by:** UArctic Thematic Network on Arctic Telecommunications and Networking

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## Program:

### **17.9.2025:**

12:00 Opening remarks and introduction

12:15-13:45 Session 1: Arctic telecommunications infrastructure: local needs and local voices 1

Speaker 1: Heather Hudson, Internet and Broadband in Rural Alaska: Innovation and Challenges for Indigenous Development

Speaker 2: Mette Simonsen Abildgaard, Pacing Modernity: Infrastructure Time in Postwar Greenland

Speaker 3: Ritva Kylli, Telephone Infrastructure Changing the Environment in the Arctic

13:45-14:15 Coffee break

14:15-15:45 Session 2: Arctic telecommunications infrastructure: local needs and local voices 2

Speaker 4: Jaap van de Beek, Past and future of cellular networks; Are we all covered?

Speaker 5: Hirley Alves, The path toward 6G Resilience

Speaker 6: Katri Kuusela and Juho Saavalainen, "Mobile technology sledge"

*18:00 Self-paid dinner*

### **18.9.2025 (tentatively 09:00-13:00)**

09:00-10:30 Session 3: The role of the Arctic in international and global telecommunications networks

Speaker 7: Juha Saunavaara, Trans-Arctic submarine cable projects: past developments and a word about hybrid governance

Speaker 8: Steen Louis Hansen, Arctic Connectivity between Europe and Japan/Asia through PACS

Speaker 9: Juha Oinonen, Funet and Research Networking in Arctic

10:30-11:30 Session 4: Arctic telecommunications infrastructure and security

Speaker 10: Michael Delaunay, The history of the development of the telecommunication network in northern Canada: a military oriented network?

Speaker 11: Mirva Salminen: Telecommunications infrastructure shaping everyday security in the European Arctic

11:30-12:30 Lunch

12:30-13:30 Wrap-up discussion and ideas for future collaboration

*16:00 Opening of a special exhibition on telecommunications in Northern Finland.*