14th National Seminar on Snow, Sodankylä, Finland

Thursday 29 October 2026

11:30-12:30	Lunch (self-paid)	
12:30-13:30	Site tour of FMI Arctic Space Centre	
13:30-14:00	Coffee	
14:00-14:10	Opening	
14:10-15:00	Keynote: prof. emer. Matti Leppäranta	Snow cover on frozen inland waters
15:00-15:15	Break	
Session 1 (Chair Kerttu Kouki, FMI)		
15:15-15:32	Jusu Toivonen (Pyhätunturi Oy)	Snow making and snow storage in Ruka and Pyhä ski resorts
15:32-15:49	Harri Valasma (Snower Oy)	Weather data from anywhere: Four winters of snow measurements and what is new at Snower
15:49-16:06	Juha Karhu (FMI)	Projections for solar photovoltaic energy production in northern Europe under changing snow conditions
16:06-16:23	Siyuan Wang (University of Oulu)	Advancing isotope-enabled snowpack modelling: Development and evaluation of FSM-Iso at a subarctic site
16:23-16:35	Break	
Session 2 (Chair Juha Karhu, FMI)		
16:35-16:52	Anna Kontu (FMI)	Sodankylä snow measurements 20-years
16:52-17:09	Maiju Ylönen (University of Oulu)	High-resolution temperature dataset reveals thermal dynamics of the boreal snowpack in Oulanka, Finland
17:09-17:26	Aleksi Rimali (FMI)	Spatial-temporal variability of seasonally frozen ground in Finland 1971-2025
17:26-17:43	Sirpa Rasmus (University of Lapland, Arctic Centre)	Kryosfäärin tutkijoiden ympäristötunteet
17:45-17:55	Poster presentations with 1 slide (chair Leena Leppänen, FMI)	
17:55-18:00	Opening of the snow season	
18:00-19:00	Dinner	
Art session (Chair Anna Kontu, FMI)		
19:00	Sanni Priha (University of Lapland)	Acts of Ecological Grief: Artistic research with Snow

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08:30-9:00	Coffee	
Session 3 (Chair Maiju Ylönen, Univeristy of Oulu)		
9:00-9:50	Keynote: Research prof. Jouni Pulliainen (FMI)	Enhanced estimation of seasonal snow pack evolution through the datasets of the SnowIce initiative
9:50-10:10	Kerttu Kouki (FMI)	Detecting rain-on-snow events in the Arctic using passive microwave satellite data
10:10-10:30	Ankit Regmi (University of Oulu)	Measuring spatial distribution of snow using GNSS-reflectometry: Challenges and opportunities
10:30-10:40	Break	
10:40-11:30	Panel discussion “Lumi muttuvassa ilmastossa” (Moderator Aku Riihelä, FMI)	
11:30-12:30	Lunch (self-paid)	
12:30-14:00	Poster session	
14:00	Closing words	

Posters

Milad Anboohi (University of Oulu & FMI), *Learning Observation-Informed Data Assimilation Corrections for Future High-Resolution Snow Projections*

Françoise Martz (LUKE), *Changing snow cover in the boreal forest - what does it mean for the forest tree seedlings?*

Martin Riska (University of Oulu), *The changing snowpack, through snow pits and modelling at Oulanka*

Heidrun Matthews (AWI), *Effective Snow Depth and Permafrost in Regional Climate Models and the CTSM Land Surface Model*

Pyry Myllymäki (FMI), *Intelligent traffic road weather station in Saferoute-6G*

Kari Mäenpää (FMI), *Arctic Area Search and Rescue Operation in Amazing-6G project*

Leena Leppänen (FMI), *Observing Rain-on-Snow Events in Sodankylä, Finland over two winter seasons in 2024-2026*

Anna Kontu (FMI), *ESA-FMI Arctic-Boreal Earth Science, Calibration and Validation Supersite in Sodankylä, Finland*

Aleksi Rimali (FMI), *UAV-based L-band radiometer measurements the northern boreal wetland environment during the freezing season*

FINNISH METEOROLOGICAL INSTITUTE

ESA-FMI ARCTIC-BOREAL EARTH SCIENCE CALIBRATION AND VALIDATION SUPERSITE

Digital Waters

NORDIC SNOW NETWORK