Confirmed program (v. 26 Jan 2022) twitter.com/FMI_Snow #Lumi2022

10th National Snow Seminar: Part I 2 Feb 2022 on Zoom (9:15-16:45 Helsinki time)

You are welcome to registrate your participation (and to get Zoom link closer to the event) to Snow seminar <u>here</u>

Sossion 1. Clim	nate change and cryosphere (9:15 - 11:40)	
Session 1: Climate change and cryosphere (9:15 – 11:40)		
Chair: Outi Meinander (FMI) / Moderator: Ana Alvarez Piedehierro (FMI)		
The length of the Keynote talk by prof. Uotila is 30 min + 15 min discussion. The length of the AMAP talk is 15 + 5 min, other invited talks in Session 1 are 12 min + 3 min questions.		
Please use the chat to give your comments and Qs, too.		
9:15	Opening and welcome	
9:20 - 9:50	Invited Keynote Talk: IPCC 2021 report, Prof. Petteri Uotila, University of Helsinki	
9:50 - 10:05	Questions and Discussion	
5 min break		
10:10 - 10:30	Invited talk (confirmed by the Arctic Council's AMAP Secretariat): AMAP work and climate change in the Arctic (speaker and final title to be announced)	
10:30 - 10:45	Invited talk: <i>Cross border impacts of climate change in the Arctic – interactions of physical change and policy response,</i> Prof. Mikael Hilden, Finnish Environmental Institute	
10:45 - 11:00	Invited talk: <i>Towards Harmonization in Snow and Its Applications</i> , Ali Nadir Arslan, Arctic Space Centre, Finnish Meteorological Institute	
11:00 - 11:15	Invited talk: Arctic Centre and examples on collaboration, Johanna Ikävalko, Arctic Centre, Rovaniemi	
11:15 – 11:30	Invited talk: Gap analysis of the existing Arctic science co-operations, Hanna K. Lappalainen, University of Helsinki	
11:30 - 11:40	Questions and Discussion	
11:40	Closing session 1	

11:40 – 12:40 Lunch break (60 min)

Session 2: Snow (12:40 – 15:25)

Chair: Leena Leppänen (Arctic Centre) / moderator: Kati Anttila (SYKE)

The length of the talks in Session 2 are 12 min + 3 min questions. Please use the chat to give your comments and Qs, too.

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12:40	Welcome to session 2
12:45 - 13:00	Recent strengthening of snow and ice albedo feedback driven by Antarctic sea ice loss, Aku Riihelä, Finnish Meteorological Institute
13:00 – 13:15	Evaluation of Northern Hemisphere snow water equivalent in CMIP6 models during 1982-2014, Kerttu Kouki, Finnish Meteorological Institute
13:15 – 13:30	Snow barrels based on H SAF snow extent products, Niilo Siljamo, Finnish Meteorological Institute
5 min break	
13:35 – 13:50	Statistical differences of snowfall microphysics at GPM ground validation sites, Annakaisa von Lerber, Finnish Meteorological Institute
13:50 - 14:05	The building blocks of snow – how can stable water isotope data from the snowpack advance snow science?, Pertti Ala-Aho, University of Oulu
14:05 – 14:20	Living with benefits and risks related to climate change impact on skiing conditions in Finland, Hilppa Gregow, Finnish Meteorological Institute
5 min break	
14:25– 14:40	SnowAPP project: overview of the results and ongoing research, Roberta Pirazzini, Finnish Meteorological Institute
14:40 - 14:55	SIMBA - Snow & Ice Measuring Technology, Grant Phillips and Phillip Thompson, SAMS Enterprise
5 min break	
15:00 – 15:15	Snow conditions in northern Europe: the dynamics of interannual variability versus projected long-term change, Jouni Räisänen, University of Helsinki
15:15 – 15:25	Questions and Discussion, moderated by Kati Anttila, SYKE.
15:25	Closing session 2

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Session 3: Citizen Science (15:30 – 16:45)

Chairs and moderators: Outi Meinander (FMI), Ana Álvarez Piedehierro (FMI), Leena Leppänen (Arctic Centre), and Kati Anttila (SYKE).

The length of the talks in Session 3 are 12 min + 3 min questions. Please use the chat to give your comments and Qs, too.

15:30	Welcome to session 3
15:35 – 15:50	Organizing and facilitating crowdsourcing for satellite EO and in situ on snow and ice in catchment areas, Timo Pyhälahti, Finnish Environment Institute
15:50 – 16:05	Snow pits by citizens -ideas, plans and ways forward, Sirpa Rasmus and Leena Leppänen, Arctic Centre, Rovaniemi
16:05 – 16:20	Saharan dust in Finland, Outi Meinander, Finnish Meteorological Institute
16:20 – 16:35	<i>Saharan dust on Helsinki sea ice - a NWP viewpoint,</i> Laura Rontu, Finnish Meteorological Institute
16:35 - 16:45	Questions and Discussion
16:45	Closing the Snow Seminar and preliminary information on Snow Seminar Part 2*

*Snow Seminar Part 2: Workshop and Science-meets-art in a face-to-face meet with remote possibility, postponed to later spring 2022.

- Preliminary agenda includes: talks, presentations, posters, Art exhibition, and dinner included to participants. Karoliina Pilli-Sihvola (Ministry of Agriculture and Forestry) will have an interactive presentation on Climate change adaptation and how researchers can be involved. Artists María Rún Þrándardóttir (Iceland) and Heini Uusisilta-Immonen (Aalto University) already confirmed their presentations.
- Keynote speaker to be announced

Organizing team:

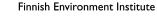
Outi Meinander, FMI (<u>outi.meinander@fmi.fi</u>) Leena Leppänen, Arctic Centre & FMI (<u>leena.leppanen@ulapland.fi</u>) Ana Álvarez Piedehierro, FMI (<u>ana.alvarez.piedehierro@fmi.fi</u>) Kati Anttila, SYKE (<u>kati.anttila@syke.fi</u>) Together with the FMI Snow team: **twitter.com/FMI_Snow #Lumi2022**

In collaboration with IBA-Permafrost, LAS3R, and NordSnowNet projects











Ministry for Foreign Affairs of Finland



