

Confirmed program (v. 26 Jan 2022)

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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 [here](#)

Session 1: Climate change and cryosphere (9:15 – 11:40)	
<i>Chair: Outi Meinander (FMI) / Moderator: Ana Alvarez Piedehierro (FMI)</i>	
<i>The length of the Keynote talk by prof. Uotila is 30 min + 15 min discussion.</i>	
<i>The length of the AMAP talk is 15 + 5 min, other invited talks in Session 1 are 12 min + 3 min questions.</i>	
<i>Please use the chat to give your comments and Qs, too.</i>	
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: <i>Arctic Centre and examples on collaboration</i> , Johanna Ikävalko, Arctic Centre, Rovaniemi
11:15 – 11:30	Invited talk: <i>Gap analysis of the existing Arctic science co-operations</i> , 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)	
<i>Chair: Leena Leppänen (Arctic Centre) / moderator: Kati Anttila (SYKE)</i>	
<i>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.</i>	
12:40	Welcome to session 2
12:45 – 13:00	<i>Recent strengthening of snow and ice albedo feedback driven by Antarctic sea ice loss, Aku Riihelä, Finnish Meteorological Institute</i>
13:00 – 13:15	<i>Evaluation of Northern Hemisphere snow water equivalent in CMIP6 models during 1982-2014, Kerttu Kouki, Finnish Meteorological Institute</i>
13:15 – 13:30	<i>Snow barrels based on H SAF snow extent products, Niilo Siljamo, Finnish Meteorological Institute</i>
5 min break	
13:35 – 13:50	<i>Statistical differences of snowfall microphysics at GPM ground validation sites, Annakaisa von Lerber, Finnish Meteorological Institute</i>
13:50 – 14:05	<i>The building blocks of snow – how can stable water isotope data from the snowpack advance snow science?, Pertti Ala-Aho, University of Oulu</i>
14:05 – 14:20	<i>Living with benefits and risks related to climate change impact on skiing conditions in Finland, Hilppa Gregow, Finnish Meteorological Institute</i>
5 min break	
14:25– 14:40	<i>SnowAPP project: overview of the results and ongoing research, Roberta Pirazzini, Finnish Meteorological Institute</i>
14:40 – 14:55	<i>SIMBA - Snow & Ice Measuring Technology, Grant Phillips and Phillip Thompson, SAMS Enterprise</i>
5 min break	
15:00 – 15:15	<i>Snow conditions in northern Europe: the dynamics of interannual variability versus projected long-term change, Jouni Räisänen, University of Helsinki</i>
15:15 – 15:25	Questions and Discussion, moderated by Kati Anttila, SYKE.
15:25	Closing session 2
15:25 – 15:30	<i>Break (5 min)</i>

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	<i>Organizing and facilitating crowdsourcing for satellite EO and in situ on snow and ice in catchment areas, Timo Pyhälähti, Finnish Environment Institute</i>
15:50 – 16:05	<i>Snow pits by citizens -ideas, plans and ways forward, Sirpa Rasmus and Leena Leppänen, Arctic Centre, Rovaniemi</i>
16:05 – 16:20	<i>Saharan dust in Finland, Outi Meinander, Finnish Meteorological Institute</i>
16:20 – 16:35	<i>Saharan dust on Helsinki sea ice - a NWP viewpoint, Laura Rontu, Finnish Meteorological Institute</i>
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 Brándardóttir (Iceland) and Heini Uusisilta-Immonen (Aalto University) already confirmed their presentations.
- Keynote speaker to be announced

Organizing team:

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Together with the FMI Snow team: twitter.com/FMI_Snow #Lumi2022

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



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