

Final program (v. 31 Jan 2022)

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10th National Snow Seminar: Part I

2 Feb 2022 on Zoom (9:15-16:45 Helsinki time)

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: <i>IPCC 2021 report</i>, Prof. Petteri Uotila, University of Helsinki
9:50 – 10:05	Questions and Discussion
5 min break	
10:10 – 10:30	Invited talk: AMAP work on climate change in the Arctic, Dr. Heïdi Sevestre, AMAP, Norway
10:30 – 10:45	Invited talk: Cross border impacts of climate change in the Arctic – interactions of physical change and policy response , Prof. Mikael Hilden, Finnish Environmental Institute
10:45 – 11:00	Invited talk: Towards Harmonization in Snow and Its Applications , 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: <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)
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Session 2: Snow (12:40 – 15:25)	
Chair: Leena Leppänen (Arctic Centre) / moderator: Kati Anttila (SYKE)	
<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	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 and Petri Räisänen, 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
15:25 – 15:30	Break (5 min)

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 Pyhälähti, 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	Saharan dust on Helsinki sea ice - a NWP viewpoint , Laura Rontu, Finnish Meteorological Institute. (Presentation in Finnish, slides in English).
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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In collaboration with IBA-Permafrost, LAS3R, and NordSnowNet projects



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