



FINNISH METEOROLOGICAL INSTITUTE



7th National Seminar on Snow on the day of Pyry*, November 1, 2017, in collaboration with the COST ES1404 Action, part of the Finland 100 programme (*Blizzard)

The seminar is free of charge and open to all pre-registered participants. The seminar language is English. Welcome!

Date: Wednesday, November 1, 2017, at 9.00 – 17.00

Venue: Finnish Meteorological Institute (FMI), Erik Palménin aukio 1, Helsinki, Brainstorm-auditorium (pre-registration required)

How-to-get: <http://en.ilmatieteenlaitos.fi/how-to-find-dynamicum>

The event will be broadcasted live at <http://harmosnow.eu?page=01.11.2017,%20Helsinki>

Event hashtag: #pyry100

Pre-registration for the participation is now closed. A special issue of Geophysica (www.geophysica.fi) dedicated to the seminar is planned to publish papers presented either as an oral (= invited presentations) or as a poster presentation.

Final Agenda (31.10.2017)

9.00-9.30 REGISTRATION & COFFEE

9.30-9.45 OPENING WORDS

Welcome and opening: Director General Dr. Juhani Damski, Finnish Meteorological Institute (FMI)

Johanna Ekman, FMI: A short comment on Finland's chairmanship of the Arctic Council 2017-2019 (invited)

9.45-10.20 KEYNOTE SPEAK

Docent Esko Kuusisto, Finnish Environment Center: "One hundred years of snow research in Finland"

10:20-10:30 Discussion

10.30-12.15 SESSION A. European network for harmonized monitoring on snow for the benefit of climate scenarios, hydrology and numerical weather prediction (COST Action ES1404) Chair: Dr Ali Nadir Arslan

A1 10:30-10:40 Ali Nadir Arslan (FMI): Introduction to COST Action ES1404

A2 10:40-11:10 Roberta Pirazzini (FMI Helsinki): Overview of the in situ snow albedo measurements

A3 11:10-11:40 Leena Leppänen (FMI Sodankylä): Results of questionnaires on snow measurement practices and data assimilation in Europe

A4 11:40-12:10 Nacho López-Moreno (Spanish National Research Council): Highlights from the field campaigns

12:10-12:15 Discussion

12.15-13.00 LUNCH BREAK (self-paid)

13.00-15.00 SESSION B. SNOW SCIENCE AND SERVICES IN FINLAND

Chair: Professor Ari Laaksonen, FMI

13.00-13.20 KEYNOTE SPEAK Professor Jouni Pulliainen, FMI: "Satellite based research, services and products for high latitude terrestrial areas"

B1 13.20-13.35 Terhikki Manninen, FMI: "The effect of snow on boreal forest albedo" (invited)

- B2** 13.35-13.50 Elena Saltikoff, FMI: "Snow forecasts for airports" (invited)
B3 13.50-14.05 Vesa Raulos, Esri Finland: "Esri and GIS in snow management" (invited)
B4 14.05-14.20 Lasse Makkonen, Technical Research Centre of Finland: "Wet snow" (invited)
B5 14.20-14.35 Arttu Jutila, University of Helsinki, Geophysics: "Spatially distributed high-resolution snow evolution modeling" (invited)
B6 14.35-14.50 Teemu Lemmettylä, Finnish Ski Association: "Skiers on Snow" (invited)
14.50-15.00 Discussion

15.00-15.30 COFFEE & POSTERS

15.30-17.00 SESSION C. SCIENCE MEETS ARTS - SNOW AS INSPIRATION FOR ARTS AND SCIENCE

Chair: Professor Yrjö Viisanen, FMI

C1 15.30-15.45 Paola Livorsi, Sibelius Academy, Helsinki, Finland: "Water, snow, air, fire, earth" (invited)

C2 15.45-16.00 EU Life+ MONIMET-project team, FMI: "Animation of seasonal changes in Finland using MONIMET camera network"

KEYNOTE SPEAK

16.00-17.00 Professor Timo Vesala, University of Helsinki: "From Vertigo to Blue velvet - Connotations between movies and climate change"

17.00 Closing of the seminar: Pyy-seminar 2017 organizers (FMI)

17.00 - 18.30 Ice-breaker / Buffet

COST is an intergovernmental framework for European Cooperation in Science and Technology, allowing the coordination of nationally-funded research on a European level. ESSEM COST Action ES1404, "A European network for a harmonised monitoring of snow for the benefit of climate change scenarios, hydrology and numerical weather prediction", aims at building a better connection between snow measurements and models, between snow observers, researchers and forecasters, for the benefit of various stakeholders and the entire society. The Action will scrutinise activities related to snow science in terms of (1) observations, (2) instrumentation and (3) data assimilation, aiming at better effectiveness, harmonisation and coverage of snow data. The Working Group meetings of the COST Action are planned to be held in Helsinki on November 30-31, 2017, jointly with the 7th seminar on snow on the day of Pyy. The idea is to disseminate national snow activities to wider international audiences using an opportunity of the international network of the COST Action on Snow. For more information: Chair of the Action ES1404: Ali Nadir Arslan, FMI, ali.nadir.arslan@fmi.fi, http://www.cost.eu/COST_Actions/essem/Actions/ES1404, <http://www.harmosnow.eu/>

ORGANIZING COMMITTEE:

Outi Meinander, Kirsti Jylhä, Roberta Pirazzini, Terhikki Manninen,
Ekaterina Kurzeneva, Elena Shevnina (FMI)

and

Ali Nadir Arslan (FMI), COST ES1404 action director

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for further information.

We are looking forward to welcome you!

(updated 31.10.2017)

