

Tentative Program for the Svalbard Conference 2-3rd of November 2021

Monday 1 st of November	
18:00-20:00 Buffet dinner (own cost). Please contact Scandic Fornebu to order	
20:00 Informal Social gathering, Scandic Fornebu hotel bar (own cost)	
Tuesday 2 nd of November	
08:00 - 09:00 Registration	
09:00 - 10:30	Session 1 (Chair: Ruth Astrid Sæter)
09.00-09.15	Opening by Mari Sundli Tveit, director of RCN
09.15-09.20	Intro by moderator, practical remarks
09.20-09.35	Keynote from Minister of Research and Higher Education Ola Borten Moe. topic Svalbard and strategies
09.35-09.50	Ocean decade, introduction by Dr. Vladimir Ryabinin, – Executive Secretary of the Intergovernmental Oceanographic Commission (IOC) of UNESCO, <i>on video</i>
09.50-10.10	1004, Laura de Steur Arctic Ocean change witnessed by long-term ocean observatories in the European Arctic, Norwegian Polar Institute
10.10-10.30	1005 Kai Bischof, Putting Svalbard fjords into perspective - International and transdisciplinary co-operation for co-management of Arctic fjord systems. University of Bremen
10:30-11:00 Coffee break	
11:00 – 12:30	Session 2 Geohazards, biohazards and other hazards (Chairs: Hanne H. Christiansen, Anna Nikulina)
11.00-11.15	Introduction by chairs
11.15-11.30	7433, Roland Kallenborn, Emerging Arctic pollutants are helping to close the gap on local pollutants in Svalbard, University Centre in Svalbard
11.30-11.45	2002, Andreas Kääh, Understanding Svalbard's glacier flow instabilities and related hazards from space, University of Oslo
11.45-12:00	2010, Beatrice Rosso, Quantification and simultaneous identification of small microplastics ($\leq 100\mu\text{m}$) and other microlitter components in snow from Svalbard Islands: sampling, pre-treatment procedures, and first analysis, Ca' Foscari University of Venice
12.00-12.15	2012, Malte Müller, Extreme precipitation over Svalbard and its relation to the recent decline of sea-ice, Norwegian Meteorological Institute
12.15-12.20	2018, Thomas Birchall, Permafrost Trapped Shallow Gas in Svalbard: A Ticking Timebomb? University Centre in Svalbard
12:30-13:30 Lunch	

13:30 -15:00	Session 3 Science for society (Chairs: Zdenka Sokolíčková, Stein Sandven, Lars-Anders Breivik)
13.30-13.35	Intro by moderator
13.35-13.45	3006, René Van der Wal, Towards an environmental memory of Svalbard: co-produced narratives, scientific data and local experiences, Swedish University of Agricultural Sciences
13.45-13.55	3012 Kim Holmén, Observations for sustainability in the Arctic, Norwegian Polar Institute
13.55-14.05	3009 Shridar Jawak, Svalbard science in times of pandemic: learned lessons, failed attempts, and efforts that worked, Svalbard Integrated Arctic Earth Observing System
14.05-14.15	3010, Dina Abdel-Fattah, A path towards more social science and interdisciplinary research in Svalbard – the work and ambitions of the Svalbard Social Science Initiative, The Arctic University of Norway
14.15-15.00	45 min Panel discussion, (moderator Ruth Astrid) René van der Wal, Susan Barr, Kim Holmén,
15:00-16:00 Coffee break	
16:00-18:30	Session 5 Poster session and mingling (Poster prize APECS)
19:00 Dinner (Welcome by Christina Abildgaard, RCN) SIOS innovation prize (Heikki Lihavainen) After dinner speech (Maarten Loonen)	

Wednesday 3rd of November	
09:00-10:30	Session 6 plenary. Summit to sea (Chairs: Harald Steen, Heikki Lihavainen, Marzena Osuch, Grace Shephard)
09:00-09:15	Introduction by chairs
09.15-09.30	6010, Ketil Isaksen, Recent warming in Svalbard and Franz Josef Land, Norwegian Meteorological Institute.
09.30-09.45	6013, Inge Grünberg, Rapid climate change drives soil temperature warming and permafrost thaw on Svalbard, Alfred Wegener Institute
09.45-10.00	6034 Janne E. Søreide, Ecosystems in transition: how to monitor changes in coastal environments in Svalbard? University Centre in Svalbard
10.00-10.15	6035, Marta Konik, Assessing darkening of Svalbard fjords waters from space during 1997-2019, Polish Academy of Sciences.
10.15-10.30	6036, Amanda Poste, Inputs from land drive physical, biogeochemical and ecological responses in a high Arctic fjord system (Isfjorden, Svalbard), Norwegian Institute for Water Research
10:30- 11.00 Coffee break	

11:00-12:30	7 Parallel sessions
	Session 7.1 Back to the future (Chairs: Grace Shephard, Zdenka Sokolíčková, Maarten Loonen)
11.00-11.15	7123, Alfred Hansen, Interdisciplinary Arctic research: lessons learnt from ARCEX, University of Tromsø
11.15-11.30	7105, Nicolas Dupont, Using time series to predict the future: quantifying the effects of borealization on polar cod, University of Oslo
11.30-11.45	7118, Steve Coulson, Arthropods and the CAFF State of Arctic Terrestrial Biodiversity Report 2021, University Centre in Svalbard
11.45-12:00	7119, Frigga Kruse, Same but different: looking at the human history in Svalbard through different disciplinary lenses, Kiel University
12.00-12.15	7124, Lena Rubensdotter, Where the arctic river meets the sea; Complex landscape-process interactions and post-glacial development affecting a coastal, Geological Survey of Norway
12.00-12.15	7126, Maria Jensen, Coal the ice core of the warm past, University Centre in Svalbard
	Session 7.2 From the ground up (Chairs: Lars-Anders Breivik, Lisa Baddeley)
11.00-11.15	7201 Erkkka Heinno, Energetic particle precipitation impact on the atmosphere and regional climate, University Centre in Svalbard
11.15-11.30	7203, Dag Lorentzen, The new Svalbard SuperDARN radar, University Centre in Svalbard.
11.30-11.45	7204, Sandro Dahlke, Marine cold air outbreaks in Fram Strait and their footprint in Svalbard western coastal regions, Alfred Wegener Institute
11.45-12:00	7206, Kerstin Ebell, Role of clouds and water vapor in the Arctic radiative energy budget, University of Cologne
12.00-12.15	7209, Aina Johannessen, Linking Lagrangian model simulations with stable water isotope measurements in Arctic weather systems during ISLAS2020, University of Bergen.
12.00-12.15	7214, Wojciech Miloch, Integrated studies of the polar ionosphere and space weather over Svalbard, University of Oslo.
12:30-13:30 Lunch	
13:30-15:00	7 Parallel sessions
	Session 7.3 Education and science- a better link (Chairs: Hanne H. Christensen, Grace Shephard, Marzena Osuch, Anna Nikulina).
13.30-13.45	Introduction by chairs
13.45-14.00	7302, Marius O. Jonassen, Engaging students in meteorological field campaigns in Svalbard, University Centre in Svalbard
14.00-14.15	7304, Wojciech Miloch, Long-term research-based educational activities within space weather, University of Oslo.

14.15-14.30	7306, Kseniia Kalian, An interplay between experience, reflection and reality – its role in students` perception during the fieldwork, University Centre in Svalbard.
14.30-14.45	7307, Maarten Loonen, How to teach about the Arctic outside the Arctic, University of Groningen.
14.45-15.00	7310, Rafael Horota, Exploring iVR as a digital field learning tool in Svalbard, University Centre in Svalbard.
	Session 7.4 Arctic Observation and Data Systems (Chairs: Heikki Lihavainen, Stein Sandven).
13.30-13.45	7420, Stein Sandven, Building integrated Arctic observing systems from in situ platforms, Nansen Environmental and Remote Sensing Centre
13.45-14.00	7409 Isabell Eischeid, Disturbance Detection and Classification with UAV Images as a Tool in Ecosystem Monitoring – A Case Study from High Arctic Tundra, Arctic University of Norway
14.00-14.15	7425, Darius Ignatiuk, SIOS Data Management System - progress, current state and future challenges, Svalbard Integrated Arctic Earth Observing System.
14.15-14.30	7428, Janina Osanen, Small-scale biophysical characterization of Tempelfjorden and Van Mijenfjorden sea ice using an underwater hyperspectral imager, Arctic University of Norway.
14.30-14.45	7435, Julia martin, Near real-time observations of snow water equivalent for SIOS on Svalbard – (SWESOS), Alfred Wegener Institute
14.45-15.00	7449, Michael Kjøie Paulsen, Environmental monitoring in Svalbard through citizen science and expedition cruises, NORDECO.
15:00-15:30 Coffee break	
15:30-16:30	Session 8 closing session (Chair Karoline Bælum)
15.30-15.45	Funding opportunities and plans for the future RCN plans, calls. Ingvild Marthinsen RCN
15.45-16.10	8001 Teaming up research institutions with the Norwegian coast guard - a success story. Hanne Sagen (NERSC) and Geir Martin Leinebø (Norwegian Coastguard)
16.10-16.15	Awarding the poster prize (APECS)
16.15-16.30	Closing remarks, Harald Steen, looking to the future.