

## Program for the Svalbard Conference 2-3<sup>rd</sup> of November 2021

<b>Monday 1<sup>st</sup> of November</b>	
20:30 Informal Social gathering, Scandic Fornebu	
<b>Tuesday 2<sup>nd</sup> of November</b>	
08:00 - 09:00 Registration	
<b>09:00 - 10:30</b>	<b>Session 1 Opening of the Conference</b>
09.00-09.10	Intro by moderator Ruth Astrid Sæther, practical remarks
09.10-09.25	Opening by Mari Sundli Tveit, director of the RCN
09.25-09.45	Keynote from Minister of Research and Higher Education Henrik Asheim.
09.45-09.55	Ocean decade, introduction by Dr. Vladimir <i>Ryabinin</i> , <i>IOC, on video</i>
09.55-10.10	TBA
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 Break	
<b>11:00 – 12:30</b>	<b>Session 2 Geohazards, biohazards and other hazards</b>
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 Käab, 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
12.00-12.15	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	<b>Session 3 Science for society</b>
13.30-13.35	Intro by moderator Ruth Astrid Sæther
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) Panel members: René van der Wal, Susan Barr, Kim Holmén
15:00-15:30 Break	
15:30-16:00	<b>Session 4 A bear ate my Zodiac</b>
	3 min lectures on what went wrong.
16:00-18:30	<b>Session 5 Poster session and mingling</b>
19:00 Dinner, Welcome by Christina Abildgaard, RCN	

<b>Wednesday 3<sup>rd</sup> of November</b>	
09:00-10:30	<b>Session 6 plenary. Summit to sea</b>
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 Break	
11:00-12:30	<b>7 Parallel sessions</b>
	<b>Session 7.1 Back to the future</b>
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
	<b>Session 7.2 From the ground up</b>
11.00-11.15	7201 Erka 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	<b>7 Parallel sessions</b>
	<b>Session 7.3 Education and science- a better link</b>
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.
	<b>Session 7.4 Arctic Observation and Data Systems</b>
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	
15:30-16:30	<b>Session 8 closing session</b>
15.30-15.45	<b>Funding opportunities and plans for the future</b> RCN plans, calls. Ingvild Marthinsen RCN
15.45-16.15	Keynote by Hanne Sagen (NERSC) and Geir Martin Leinebø (Norwegian Coastguard
16.15-16.30	Closing remarks, Harald Steen, looking to the future. Awarding the poster prize, SIOS prize

