

Program for the Svalbard Conference 31 October - 1 November 2023 (Ver. 31.10.2023)

Monday 30th of October	
20:00 Informal social gathering, Scandic Fornebu (own cost)	
Tuesday 31st of October	
08:00 – 09:00 Registration	
09:00 – 09:30	Opening Session:
	Welcome + practical remarks by moderator (Ruth Astrid Sæter)
	Opening speeches: Mari Sundli Tveit (director of the Research Council of Norway) Camilla Brekke (director of the Norwegian Polar Institute)
09:30 – 10:45	Session 1: Four times faster (Chairs: Harald Steen, Agata Zaborska)
	1035, Kit M. Kovacs: Impact of climate change on marine mammals - a Svalbard update
	1032, Marzena Osuch: Hydrological response to changes in climatic conditions in the catchments of SW Spitsbergen
	1040, Janne E. Søreide: Loss of sea ice why should we care? Important feeding ground for larvae in spring
	1037, Steeve Comeau: Effects of multiple environmental drivers on Arctic kelp communities
	1041, Hans-Werner Jacobi: Artificial trends or real changes? Investigating precipitation records in Ny-Ålesund, Svalbard
10:45 – 11:15 Coffee break	
11:15 – 12:15	Session 2: Svalbard and its Neighbours (Chairs: Marion Maturilli, Gijsbert Breedveld)
	3005, Søren Rysgaard: Bridging the Fram Strait - facilitating collaboration across the largest high Arctic climatic gradient making use of GIOS and SIOS
	3012, Harald Sodemann: Coordinated observations of the water cycle in marine cold-air outbreaks in the European Arctic during the ISLAS 2022 field campaign
	3009, Cheshtaa Chitkara: Seasonality in phytoplankton production and communities in three contrasting Arctic fjords in Svalbard, Norway and Greenland
	3015, Hanne Hvidtfeldt Christiansen: Permafrost thermal dynamics and climate change across the largest high Arctic climatic gradient from NE Greenland to Svalbard
12:15 – 13:15 Lunch	
13:15 – 15:00	Session 3: Earth System Science and Svalbard (Chairs: Lars Anders Breivik, Ilkka Matero)
	2015, Hanne Hvidtfeldt Christiansen: Developing the Svalbard Integrated Arctic Earth Observing System – SIOS

	2016, Malte Müller: Challenges in the description of sea-ice for a kilometer-scale weather forecasting system
	2041, Julia Lutz: Climate projections over Svalbard - a complementary approach
	2059, Marit Reigstad: The Nansen Legacy – compiling results on the changing Arctic climate and ecosystem responses
	2054, Roberto Salzano: The impact of winter extreme events on the surface water runoff in a periglacial environment (Ny-Ålesund, Spitsbergen)
	2064, Yutaka Tobo: Annual cycle of aerosols capable of ice nucleation and its relationship with the climate system and terrestrial ecosystems in Svalbard
	2020, Anna Sjöblom: Svalbard as a showcase for renewable energy in the High Arctic using Earth System Science
15:00 – 15:30 Coffee break	
15:30 – 16:30	Session 4: How to bring it all together (Chairs: Harald Steen + Lars-Anders Breivik)
	45 min panel discussion (moderator Ruth Astrid Sæter). <u>Participants:</u> Søren Rysgaard (GIOS), Marit Reigstad (Nansen Legacy), Heikki Lihavainen (SIOS), Åshild Pedersen (COAT), Marianne Kroglund (Norwegian Environment Agency)
16:30 – 19:00	Poster session and mingling
19:00 Dinner <ul style="list-style-type: none"> - APECS awarding the poster prize - SIOS/SSF Innovation Award winner 	

DAY 2

Wednesday 1 st of November	
09:00 – 10:30	Session 5: Parallel sessions
09:00 – 10:30	Session 5a: Polar Ocean (Place: Atlantis 1) (Chairs: Harald Steen + Lars-Anders Breivik)
	5118, Pedro Duarte: Marine primary production around Svalbard using high resolution modelling of the ocean, sea ice and marine biogeochemistry
	5102, Charlotte Havermans: Integrative pelagic studies for assessing diversity, distributions, trophic role and range shifts of jellyfish in Tomorrow's Arctic Ocean
	5124, Maxime Geoffroy: Pelagic organisms avoid artificial light from scientific instruments
	5128, Raphaëlle Descoteaux: Spatio-temporal variability in planktonic biodiversity of Svalbard coastal waters
	5105, Malin Daase: Physical and biological observations from Ice-tethered observatories (ITOs) in the Arctic
09:00 – 10:30	Session 5b: Toolbox (Place: Atlantis 2) (Chairs: Ilkka Matero + Kyle Mayers)
	5231, Cathrine Lund Myhre: The Aerosol, Clouds and Trace Gases Research Infrastructure (ACTRIS) and associated services with focus on relevance for Arctic region

	5223, Danielle Magann Grant: APECS Norwegian National Committee: Building a toolbox of resources for success in Polar Science
	5224, Louise Schmidt: Towards an interdisciplinary information platform displaying the state of the cryosphere on Svalbard
	5205, Are Frode Kvanum: Developing a deep learning forecasting system for short-term and high-resolution prediction of sea ice concentration
	5206, Stefaniya Kamenova: PIECEMEAL: Cracking the diet of the Svalbard reindeer by integrating old and modern tools
	5228, Ann Lennert: Knowing wide and deep: unleashing knowledge of environmental change
10:30 – 11.00 Coffee break	
11:00 – 12:30	Session 6: Parallel sessions
11:00 – 12:30	Session 6a Thawing ground and below (Place: Atlantis 2) (Chairs: Agata Zaborska + Gijsbert Breedveld)
	6102, Andy Hodson: Methane emission through Svalbard permafrost: observations, processes and prognosis
	6110, Ilaria Baneschi: From glaciers to Kongsfjorden: quantification of water discharge, contaminants and microorganisms
	6112, Sarah M. Strand: Permafrost temperature trends across landforms in the Nordenskiöld Land Permafrost Observatory, 2008-2023
	6115, Willem van der Bilt: Last Glacial Maximum Svalbard Lake sediments reveal warm stadial summers
	6117, Francesca Avogadro di Valdenigo: Modelling Multi-Year Carbon Fluxes in the Arctic Critical Zone (Spitzbergen Is., NO)
	6119, Anne-Cathrine Flyen: Climate Change and the Vulnerability of Cultural Heritage in Svalbard: Assessing the Impacts of Cryospheric Hazards, Biological Degradation, and Human Wear
11:00 – 12:30	Session 6b From mountain top to sea floor (Place: Atlantis 1) (Gijsbert Breedveld + Ilkka Matero)
	6227, Amanda Poste: A new research programme studying climate change impacts across terrestrial-freshwater-marine ecosystem boundaries on Svalbard
	6218, Helena Alexanderson: Pre-LGM sediments and landforms on Brøggerhalvøya, NW Svalbard
	6224, Andreas Alexander: The impact of subglacial hydrology and glacier lake outburst floods on Arctic fjord macronutrient dynamics
	6212, Katarzyna Zmudczynska-Skarbek: The importance of ornithogenic nutrients for the coastal communities beneath bird cliffs at Bjørnøya
	6203, Josef Elster: Invasive Vaucheria aff. compacta (Xanthopyceae) in Adventfjorden tidal flat, Svalbard, the Arctic
	6210, Arunima Sen: Diverse and self-sustaining benthos of an Arctic oil seep
12:30 – 13:30 Lunch	
13:30 – 15:00	Session 7: Human footprints (Chairs: Agata Zaborska + Ilkka Matero)
	7005, Dorte Herzke: Atmospheric Microplastic in the Arctic and the Norwegian mainland

	7018, William Hartz: Atmospheric Sources and Temporal Trends of Per- and Polyfluoroalkyl Substances (PFAS) in the Arctic: from Snow to Sea
	7004, Carolin Philipp: Anthropogenic particles found at different water depths around Svalbard
	7032, Susan Kaspari: The Role of Light Absorbing Particles in Snow and Ice on Svalbard: A Focus on Dust
	7012, Atle When Hegnes: Svalbard Cultural Heritage in the Crossroad of Tourism and Climate Change
	7029, Anita Parlow: Climate change, Coal-to-Clean-Energy and Geopolitics on Norway's Svalbard Archipelago
15:00 – 15:30 Coffee break	
15:30 – 16:30	Session 8: Svalbard in the future (Chairs: Svein Vigeland Rottem, Andreas Østhagen, Pål Sørgaard)
	Fredrik Gordon Berg (Ministry of Justice and Public Security) Fredrik Theisen (Ministry of Climate and Environment) 35 min panel discussion (moderator Svein Vigeland Rottem) <u>Participants:</u> Arild Moe (The Fridtjof Nansen Institute), Jon Fuglestad (The Research Council of Norway), Grete Hovelsrud (Nordland Research Institute & Nord University)
16:30 End of Conference	