

October 29

Sea Ice and Monitoring

Session Chair: Andreas Ahlstrøm

- 13:15 - 13:35 Lill Bjørst Democratic participation in the context of climate adaptation, and green energy transition in Kalaallit Nunaat
- 13:35 - 13:55 William Colgan Traverse route from Pituffik to Warming Land, North Greenland
- 13:55 - 14:15 Arttu Jutila Investigating snow sinks on level sea ice: A case study in the western Arctic
- 14:15 - 14:25 Imke Sievers 10 years sea ice reanalysis from CryoSat2 freeboard assimilation
- 14:25 - 14:45 Guðfinna Aðalgeirsdóttir Vanishing Glaciers

14:45 - 15:15

Coffee Break

Biology

Session Chair: Ian Stevens

- 15:15 - 15:35 Alexandre Anesio What controls biological darkening on the Greenland ice sheet?
- 15:35 - 15:55 Mirjam Paasch Effect of increased iron availability on growth, color and photophysiology of cultured glacier ice algae
- 15:55 - 16:15 Joanna Ewa Szafraniec Vegetation coverage—aeolian accumulation rate relationship within the glacial flood origin kettle holes of Skeiðarársandur (S Iceland)
- 16:15 - 16:35 Emily Broadwell Remote Antarctic island reveals unique algal dynamics in snow and ice
- 16:35 - 16:55 Beatriz Gill Olivas Ablation provides macronutrients to glacier ice algae in NW Greenland.

16:55 - 17:15 Mark Skidmore Diurnal nutrient dynamics in early season meltwater runoff from an outlet glacier of the Greenland Ice Sheet

17:30-20:00 **Poster Session**

October 30 **Surface Processes and Remote Sensing 1**

Session Chairs: Jonas Köhler, Eva Nielsen

9:00 - 9:20 Natalia Havelund A State-Space Model for Monitoring Greenland Ice Sheet Surface Elevation Change from CryoSat-2

9:20 - 9:40 Ian Stevens The formation and evolution of the supraglacial weathering crust on the Greenland Ice Sheet

9:40 - 10:00 Louise Sandberg Sørensen Impact of extreme events on Flade Isblink

10:00 - 10:20 Astrid Mørkhult Toft Dynamical response of the Greenland ice sheet to climate change

10:20 - 10:50 **Coffee Break**

Surface Processes and Remote Sensing 2

Session Chairs: Jonas Köhler, Eva Nielsen

10:50 - 11:10 Lou-Anne Chevrollier Spectral signatures and albedo-reducing processes in the Dark Zone of the ice sheet of Kalaallit Nunaat (Greenland)

11:10 - 11:30 Mai Winstrup PRODEM: An Annual Series of Summer DEMs for the Greenland Ice Sheet and Peripheral Ice Masses

11:30 - 11:50 Kirk Scanlan New Opportunities in Greenland Ice Sheet Remote Sensing

12:00 - 13:00 **Lunch Break**

Modeling

Session Chair: Signe Hellerup Larsen

13:15 - 13:35	Louise Steffensen Schmidt	Simulations of the future evolution of Icelandic ice caps
13:35 - 13:55	Majbritt Eckert	Modelling seasonal changes in basal slipperiness through velocity inversion at Kangerlussuaq Glacier, Greenland
13:55 - 14:15	Isabel Schwermer	Modelling the evolution of the Greenland ice sheet over glacial-interglacial cycles
14:15 - 14:35	Rebekka Frøystad	Folgefonna's future and consequences for energy politics
14:35 - 14:55	Konstanze Haubner	Local sea level changes due to ongoing Greenland ice sheet mass loss from 1970 to 2100
15:00 - 15:30	Coffee Break	
	Mass Balance	
	<i>Session Chair: Gregor Luetzenburg</i>	
15:30 - 15:50	Tarek Zaqout	Energy-budget modeling of glacier mass balance in Iceland
15:50 - 16:10	Jason Box	34 years of in-situ mass balance observations at the equilibrium line of the western Greenland ice sheet
16:10 - 16:35	Josephine Lindsey-Clark	Greenland Monthly Accumulation Maps (1800-2022): A Statistical Semi-Empirical Bias-Adjustment Model
16:35 - 16:55	Anna Puggaard	A physics-guided data-driven SMB model for central west Greenland
16:55 - 17:15	Johan Nilsson	Two Decades of Change in the Mass Balance of Icelandic Glaciers
19:00	Conference Dinner (RizRaz, Store Kannikestræde 19, 1169 København)	

October 31

Hydrology 1

Session Chairs: Anna K. Deichmann, Léa Rodari

9:00 - 9:20

Jonas Kvist Andersen

Probing Subglacial Hydrology with DInSAR: Insights from Greenland and Antarctica

9:20 - 9:40

Nanna B. Karlsson

The Greenland Inland Ice Sheet and its watery margins: towards a better understanding of glacier/fjord interactions

9:40 - 10:00

Thomas Frank

Revealing global subglacial topography and potential future lakes

10:00 - 10:20

Dorthe Petersen

Greenland Runoff Monitoring from Passive Seismology: The GRuMPS Project

10:20 - 10:50

Coffee Break

Hydrology 2

Session Chairs: Anna K. Deichmann, Léa Rodari

10:50 - 11:10

Mads Dømggaard

Expanding the record of Greenland GLOFs: Inventory updates and mega-floods

11:10 - 11:30

Falk Oraschewski

The fate of surface meltwater in Greenland's percolation zone quantified with phase-sensitive radar and firn modeling

11:30 - 11:50

Eyjólfur Magnússon

The surprising jökulhlaup from cauldron 13 and 14 on Mýrdalsjökull ice cap in July 2024. Insights from radio echo sounding and mapped surface elevation changes

12:00 - 13:00

Lunch Break

16:00 - 18:00

Excursion (Boat ride in the Copenhagen Harbour with talk on the city's climate change mitigation efforts)