

IGS Nordic branch meeting Hellissandur, Iceland 30th October–1st November

08:30	Minibuses leave from Askja (map location: https://maps.app.goo.gl/v1ynvsDSWnurz1DA9)
11:30–13:00	Registration and check-in to hotel and apartments
12:00–13:00	Lunch

Wednesday 30 Oct. 13:00–15:00. Session 1: Glacier changes (chair: Guðfinna Aðalgeirsdóttir)

13:00–13:15	Organizing committee	Welcome
13:15–13:30	Majbritt Kristin Eckert	Reconstructing the Greenland Ice Sheet during the last two deglaciations
13:30–13:45	Andri Gunnarsson	Icelandic glacier climate disequilibrium and committed ice loss
13:45–14:00	Joaquín M.C. Belart	Monitoring glacier topography from space: past successes, novel observations using SWOT and perspectives from 4D-Earth
14:00–14:15	Jonas Liebsch	Spatio-Temporal Mass Changes of the Mýrdalsjökull Icecap (Iceland) since 2010: Insights from high-Resolution Statistical Modelling.
14:15–14:30	Jon Ove Hagen	Glacier mass changes in Svalbard
14:30–14:45	Liss Marie Andreassen	Monitoring of the small ice patch Juvfonne, southern Norway
14:45–15:00	Hrafnhildur Hannesdóttir	Global glacier casualty list and other glacier outreach projects in Iceland
15:00–15:30	Coffee break	

Wednesday 30 Oct. 15:30–17:00. Session 2: Glacial geomorphology (chair: Veijo Pohjola)

15:30–15:45	Gwenn Flowers and Hester Jiskoot	IGS and its journals
15:45–16:00	Matěj Roman	Geomorphic effects of steep volcanic relief on glacial deposition and mass balance
16:00–16:15	Ailsa Guild	The Structural Glaciological Evolution of rapidly Receding Temperate Piedmont Glaciers and The Implications for Debris Entrainment and Landform Development at Svinafellsjökull, Southeast Iceland.
16:15–16:30	Nína Aradóttir	Glacial geomorphology and dynamics of palaeo-ice streams in northeast Iceland
16:30–16:45	Ívar Örn Benediktsson	Preliminary results of the Early Holocene deglaciation of eastern Iceland from cosmogenic ³⁶ Cl exposure ages and tephrochronology
16:45–17:00	Paul Weber	Mapping the 'Little Ice Age' Extent of Folgefonna, Western Norway: Implications for Reconstructing and Inventorying Plateau Icefield-Type Glaciers
17:30–20:00	Ice-breaker and poster session at the Röst community centre	

Thursday 31 Oct 9:00–10:15. Session 3: Various (chair: Andreas Ahlström)

09:00–9:15	Árný Erla Sveinbjörnsdóttir	Using in-situ observation of atmospheric water vapor isotopes to benchmark isotope-enabled General Circulation Models and improve ice core paleoclimate reconstruction.
09:15–9:30	Klara Köhler	Nutrient availability from weathered glacial sediments
09:30–9:45	Clinton Conrad	Rapid Earth Uplift in Southeast Greenland driven by Deglaciation above the Iceland Plume Track

09:45–10:00	Thomas Givens	Modeling Holocene Glacial Isostatic Adjustment in Iceland Using Composite Asthenosphere Viscosity, Comparisons to Linear Rheology And Implications for Glacially Induced Asthenosphere Melting
10:00–10:15	Laurent Mingo	AirIPR: An Operational Airborne Ice-Penetrating Radar System
10:15–10:45	Coffee break	
Thursday 31 Oct 10:45–12:00. Session 4: Modelling (chair: Christine Hvidberg)		
10:45–11:00	Ward van Pelt	New glacier bed and thickness maps for Svalbard and the Canadian Arctic
11:00–11:15	Kristine Flacké Haualand	Unique fine-scale observations and numerical simulations of the evolution of glacier flow and cold air pool formation in a complex glacier-valley-lake system in Western Norway
11:15–11:30	Clara Henry	Improved numerical stabilisation of full-Stokes grounding line problems
11:30–11:45	André Löfgren	Numerical stability of full-Stokes models inferred from linear Stokes eigenvalue analysis
11:45–12:00	Lukas Lundgren	Subglacial ice ocean interaction using a conservative high-order finite element method
12:00–13:00	Lunch at the Röst community centre	
Thursday 31 Oct 13:00–14:15. Session 5: Ice dynamics (chair: Ward van Pelt)		
13:00–13:15	Aleksandra Osika	Glacier surges in Hornsund (Svalbard) in the late Little Ice Age
13:15–13:30	Erik Schytt Mannerfelt	Tracking glacier surge evolution using interferometric SAR coherence — examples from Svalbard
13:30–13:45	Jack Kohler	Svalbard update
13:45–14:00	Jan Kavan	Glacier surge as a trigger for the fastest delta growth in the Arctic
14:00–14:15	Christine S. Hvidberg	How stable are the ice divides in the northern Greenland ice sheet?
14:15–15:45	Coffee break and visit to National Park Center at Hellissandur	
Thursday 31 Oct 15:45–17:15. Session 6: Surface and near surface (chair: Fleur van Bommel)		
15:45–16:00	Hongjie Xie	Icelandic snow cover changes and impacts under the warming climate
16:00–16:15	Veijo Pohjola	Updates from the Perennial Firn Aquifer on Lomonosovfonna, Svalbard
16:15–16:30	Andreas P. Ahlstrøm	How to measure accumulation on the Greenland Ice Sheet?
16:30–16:45	Josephine Lindsey-Clark	New Monthly Maps of Accumulation Over the Greenland Ice Sheet
16:45–17:00	Hester Jiskoot	Fog forcing of surface energy balance from measurements on Arctic glaciers
17:00–17:15	Shunan Feng	Demystifying the darkening of the Greenland Ice Sheet through remote sensing
18:45–19:15	Helgi Björnsson	Reflections on early Nordic contribution to glaciology and climate studies
19:15–19:45	Helgi Björnsson awarded IGS Honorary membership	
20:00–00:00	Conference dinner Adventure hotel Hellisandur	

Friday 1 November 9:00–11:00. Session 7. Jökulhlaups (chair: Jack Kohler)		
09:00–9:15	Bergur Einarsson	Jökulhlaups in Iceland: recent floods, and risk assessment
09:15–9:30	Páll Einarsson	Continuous tremor associated with recent jökulhlaups from the Katla caldera in Iceland
09:30–9:45	Bryndís Brandsdóttir	Seismic signals associated with subglacial geothermal activity, and jökulhlaups from the Skaftár cauldrons in western Vatnajökull, Iceland
09:45–10:00	Eyjólfur Magnússon	New insights into the development of slowly rising jökulhlaups from the Grímsvötn subglacial lake, Iceland, deduced from ICEYE SAR images and in-situ observations
10:00–10:20	Coffee break	
10:20–10:35	Tómas Jóhannesson	Modelling of ice-surface depressions formed by emptying of small water bodies at the base of a glacier
10:35–10:50	Ursula Enzenhofer	Over 200 years of Glacier Change and Ice-Dammed Lake Outburst Floods at Nedre Demmevatnet, Rembesdalskåka Glacier, Norway.
10:50–11:00	Organizing committee	Student adwards and concluding remarks
11:00–11:30	Check-out and distribution of lunch bags	
11:30–ca 19:00	Excursion. Final destination: Reykjavík	

Poster session Wednesday 17:30–20:00	
Siri Hesland Engen	Investigation of temperature inversion and lapse rates on Beerenberg, Jan Mayen
Thorben Dunse	Dynamics of the Flatbreen glacier lake in Fjærland, Western Norway: Insights from field observations and hydrological modelling
Jogscha Miriam Abderhalden	Investigating Ice Geometry and Retreat Patterns of Outlet Glaciers from Folgefonna Ice Cap, Western Norway
Annika Morische	Unravelling Microbial Bloom Dynamics on Glacier Surfaces by High-Resolution Mass Spectrometry
Kuba Oniszk	Updated Inventory of Ice-front positions along the King Frederick VI Coast, SE Greenland
Veijo Pohjola	How well does the snow service SeNorge describe snow volumes upstream Swedish hydropower dams?
Liza Wilson	Sólheimajökull Data Compilation and Exploration of Future Mass Balance Questions
Jonas Liebsch	Enhancing sub-ice geology in East Antarctica with Self-Organizing maps based on gravity, magnetic and radar data
Wesley Farnsworth	Explosive volcanic history of Snæfellsjökull, West Iceland: Geochemistry, chronology and tephra distribution
Ka Yan Kwok	Post glacial relative sea level changes in west Iceland
Hallgeir Elvehøy	Ice thickness and bed topography of Jostedalbreen ice cap in Norway
Ívar Örn Benediktsson	Controls of ice-surface structures during the 1991 surge of Skeiðarárjökull, Iceland, on the post-surge glacial landsystem
Thorsteinn Thorsteinsson	Hofsjökull ice cap, Central Iceland: A decade of snow radar measurements in support of mass balance studies
Satu Innanen	Towards a spatio-temporal perennial firn aquifer distribution throughout Svalbard
Greta Bellagamba	Glacial Isostatic Adjustment modelling of Iceland: Moving into the 2020's
Fleur van Bommel	Generating distributed surface mass balance fields with a Bayesian Hierarchical Model
Kieran Baxter	Photos and folk: Citizen science repeat photography