

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

09.30	Bus leaves from Hlemmur square	
11.00–13.00	Registration and check-in to hotel	
11.30–12.15	Lunch Fosshótel	

Session 1: Wednesday 30 Nov 13.00–17.10 Glacier mapping and mass balance I		
13.00–13.05	Hrafnhildur Hannesdóttir	Welcome
13.05–13.25	Guðfinna Aðalgeirsdóttir	Mass balance of Icelandic glaciers in the 20th and 21st centuries
13.25–13.45	Erik Young	Understanding the spatial patterns of Kaskawulsh Glacier thinning between 2007–2018, Yukon, Canada
13.45–14.05	Andri Gunnarsson	Albedo of Icelandic Glaciers: Spatio-temporal patterns and trends derived from MODIS
14.05–14.25	Þorsteinn Þorsteinsson	Snow radar measurements of winter balance on Hofsjökull, Central Iceland: Results from 2018
14.25–14.45	Kati Anttila	Seasonal snow melt season of the northern hemisphere from 1982 to 2015
14.45–15.00	Magnús Már Magnússon	IGS report
15.00–15.30	Coffee break Snorrastofa	
15.30–15.50	Pierre-Marie Lefevre	Insights from the latest IPCC Special Report on the Ocean and the Cryosphere in a Changing Climate (SROCC)
15.50–16.10	Hrafnhildur Hannesdóttir	Changes in the area of glaciers in Iceland since the end of the 19th century
16.10–16.30	Liss Marie Andreassen	Glacier mapping using high-resolution satellite imagery and LIDAR
16.30–16.50	Tómas Jóhannesson	dArcticDEM – Differencing the ArcticDEM
16.50–17.10	Magnús Tumi Guðmundsson	The Swedish Expedition to Vatnajökull in 1919 – the first recorded visit to Grímsvötn
18.30–20.30	Ice-breaker in Snorrastofa and poster session	

Session 2: Thursday 31 Oct 9.00–12.00 Glacier dynamics and modelling		
09.00–9.20	Teodor Nagy	Mapping of glacier surface velocity, glacier lakes and jökulhlaups with Sentinel-2 imagery in mainland Norway
09.20–9.40	Bergur Einarsson	Simulations of proglacial extent and effects of different jökulhlaup scenarios for Sólheimajökull glacier, S-Iceland
09.40–10.00	Juan Pedro Roldan Blasco	Changes in glacier friction law due to solid friction
10.00–10.20	Coffee break Snorrastofa	
10.20–10.40	Anna Crawford	Marine Ice-cliff Instability: process investigations and calving-law development
10.40–11.00	Thomas Zwinger	A new visco-elastic FE model for GIA computations
11.00–11.20	Peter Råback	Some general developments in Elmer/Ice
11.20–11.40	Benoît Urruty	Observations of the spatial and temporal dynamics of crevasses from dense array seismic observations on the Argentière Glacier
11.40–12.00	Halldór Geirsson	Temporal changes in glacio isostatic adjustment in Iceland during 1993–2019

12.00–13.00	Lunch Fosshótel
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Session 3: Thursday 31 Oct 13.00–17.00 Glacier hazards / Glacier mapping and mass balance II

13.00–13.30	Þorvarður Árnason (remote talk)	Visualizing glacier downwasting – exploring synergies between monitoring and communication
13.30–13.50	Snævarr Guðmundsson	Terminus lagoons on the south side of Vatnajökull ice cap, SE-Iceland
13.50–14.10	Þorsteinn Sæmundsson	Slope stability above the fast retreating outlet glaciers and rapidly forming proglacial lakes in Iceland
14.10–14.30	Stephanie Matti	Adapting to emerging hazards: instability above an Icelandic glacier
14.30–14.50	Hannah Iona Reynolds	Changes in geothermal activity at the subglacial volcano Bárðarbunga, Iceland, following the 2014–2015 caldera collapse, investigated using geothermal system modeling
14.50–15.10	Eyjólfur Magnússon	Changes of Icelandic glaciers studied with repeated high-resolution DEMs. Examples of climatic and volcanogenic changes
15.10–15.30	Coffee break Snorrastofa	
15.30–15.50	Bailey Oconnell	Marine Glacial Features offshore North Iceland
15.50–16.10	Finnur Pálsson	In situ mass balance records of Vatnajökull and Langjökull ice caps, Iceland
16.10–16.30	Andri Gunnarsson	Icelandic glacier automatic weather station network
16.30–16.50	Erla Guðný Helgadóttir	Ribbed moraines at the onset of palaeo-ice streams in the Vopnafjörður region
16.50–17.00	Alexandra Messerli and Kirsty Langley	Overview of monitoring and research activities at Asiaq Greenland Survey

17.30-19.00	Optional bathing in the geothermal baths of Krauma (Deildartunguhver)
19.30–00.00	Conference dinner Fosshótel

Session 4: Friday 1 November 9.00–12.00 Glacial geomorphology
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09.00–9.20	Greta Wells	Reconstruction of Early Holocene jökulhlaups along the Hvítá River and Gullfoss waterfall, Iceland
09.20–9.40	Oddur Sigurðsson	Alluvial cones of jökulhlaups in Iceland
09.40–10.00	Kari Kajuutti	A subglacial landform called 'murtoo': characterization and distribution
10.00–10.20	Coffee break Snorrastofa	
10.20–10.40	Þorbjörg Sigfúsdóttir	Past dynamics of a marine-terminating glacier in Borgarfjörður, west Iceland
10.40–11.00	Jack Kohler	Impact of tidewater glacier retreat on the fjord system: present and future circulation in Kongsfjorden, Svalbard
11.00–11.20	Tómas Jóhannesson	Longitudinal glacier-elevation-change profiles and ice-volume changes induced by mass-balance forcing at the terminus of tidewater glaciers
11.20–11.50	Reynir Sævarsson	The Langjökull Ice Cave Project – The glaciology, the engineering and the execution
11.50–12.00	Organizing committee	Concluding remarks

12.15–13.50	Lunch Fosshótel and check-out	
14.00–ca 19.00	Excursion to the Langjökull ice cave	
19.00–21.00	Bus to Reykjavík	

Poster session Wednesday 17.30–19.30	
Alexandra Messerli	First complete Greenland-wide inventory of ice marginal lakes
Bailey Michael OConnell	Marine glacial features and faulting in the Eyjafjarðaráll Basin, North Iceland
Kirsty Langley	Complementing Surface Mass balance measurements with UAV based Digital Elevation Models
Friends of Vatnajökull	Outreach project
Melting glaciers	Outreach project