



# IAG GeoNorth and GeoNor Newsletter

## Second IAG GeoNorth and GeoNor Conference (virtual conference) 30 September – 1 October 2021

The second Conference of the Nordic IAG Network of Geomorphology Groups from Denmark, Finland, Iceland, Norway and Sweden (GeoNorth and GeoNor) will be held 30 September - 1 October 2021 as a virtual conference.

This Second IAG GeoNorth and GeoNor Conference on *Geomorphology and Geomorphological Research in the Nordic Countries* is building on the First GeoNorth and GeoNor Conference which was successfully organized on 1-2 October 2020 as a virtual event under the auspices of the International Association of Geomorphologists (IAG).

We kindly invite geomorphologists and scientists from other disciplines with interest in geomorphology from the five Nordic countries (Denmark, Finland, Iceland, Norway, and Sweden) to participate in the Second GeoNorth and GeoNor Conference on 30 September - 1 October 2021. In addition, we kindly invite all international scientists from other countries who are carrying out geomorphological research in the Nordic countries to participate in our second GeoNorth and GeoNor virtual conference.

The conference shall include invited key lectures, scientific presentations, a session with video-presentations from field work activities carried out by conference participants, extended scientific discussions, a specific networking session for early-career scientists, and GeoNorth and GeoNor business meetings.

If you are interested to participate in the Second GeoNorth and GeoNor Conference please send an email confirming your participation together with your scientific abstract(s) and information if you wish to show a video-presentation from your field work activities to Achim A. Beylich ([achim.beylich@geofieldlab.com](mailto:achim.beylich@geofieldlab.com)) before 1 September 2021.

Registration fee (to be paid by 15 September 2021, further information will be sent to all registered participants): 250 NOK for senior participants and 100 NOK for PhD and Master students (the registration fees are required for covering the annual IAG affiliation fees to be paid by GeoNorth and GeoNor to IAG)

Abstract submission: Scientific abstracts should be up to two pages long, should not include figures, tables and references, and must be submitted as word files to [achim.beylich@geofieldlab.com](mailto:achim.beylich@geofieldlab.com) before 1 September 2021. All accepted scientific abstracts will be published in a conference volume made available as PDF-file.

The detailed conference program, information for presenters and all necessary technical information will be sent to all registered conference participants in the beginning of September 2021.

Achim A. Beylich

*Chair of IAG GeoNorth and GeoNor and  
conference main organizer*

## Introduction of GeoNorth national representatives (Part III)



### Assist. Prof. Eliisa Lotsari

Department of Built Environment,  
Aalto University School of  
Engineering, Aalto, Finland

Finland, national representative

I have been working as a Senior Lecturer in Geoinformatics at the University of Eastern Finland during the last eight years, and will begin as an Assistant Professor in Water Engineering at Aalto University in August 2021. I have also a title of docent in fluvial geomorphology at the University of Turku. My research interests are in fluvial geomorphology, climate change impact analysis and long-term observations of seasonal and annual processes within river environments. Recently my research has concentrated on 1) detecting the defrosting sedimentary systems and how they impact on the evolution and material transport of seasonally frozen high-latitude rivers, and 2) how dam removals impact on river channel sediment transport and water quality in long term. Thus, my fields of speciality relate to fluvial processes, geoinformatics, remote sensing, hydro- and morphodynamic modelling, climate change and physical geography.



### Dr. Þorsteinn Sæmundsson

Institute of Earth Sciences,  
University of Iceland,  
Reykjavík, Iceland

Iceland, national representative

I'm a geologist working at the Institute of Earth Sciences at the University of Iceland. I took my PhD in Lund, Sweden in Quaternary geology in 1995. My main research over the last two decades has been focused on mass movements and landscape development in cold and polar climates. From 1995 to 2000 I did work at the department of avalanche monitoring and research at the Meteorological Office and as a director of the Natural Research Institute of Northwestern Iceland from 2000 to 2014. Since 2014 I have been based at the University of Iceland.

## Selected latest publications

New article by:

**Bellwald B**, Planke S, Polteau S, Lebedeva-Ivanova N, Faleide JJ, Morris SM, Morse S, Castelltort S (2021). Characterization of a glacial paleo-outburst flood using high-resolution 3-D seismic data: Bjørnelva River Valley, SW Barents Sea. *Journal of Glaciology* 1–17.

<https://doi.org/10.1017/jog.2020.115>

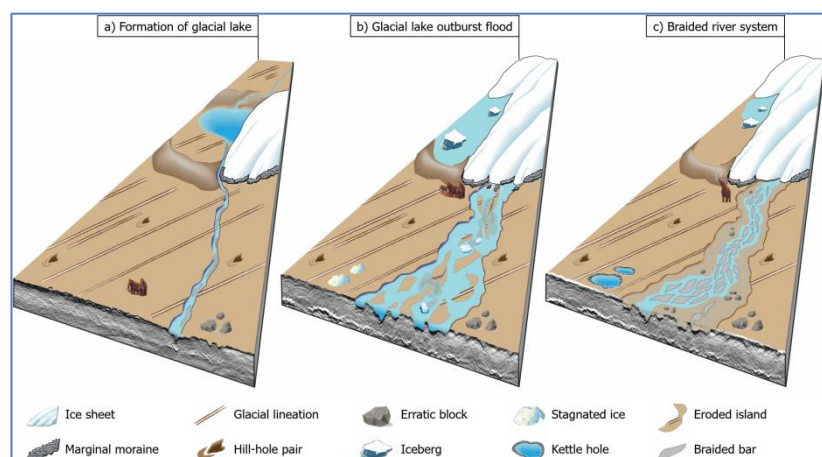


Fig. 13 in Bellwald et al., 2021: Conceptual model for the formation of the Bjørnelva River Valley during the Early Pleistocene.

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## Announcements

### **The 35<sup>th</sup> Nordic Geological Winter Meeting 2022**

The Geoscience Society of Iceland invites to attend the 35<sup>th</sup> Nordic Geological Winter Meeting. The meeting will take place from the 5<sup>th</sup> to the 7<sup>th</sup> of January 2022 in the Harpa conference hall in Reykjavík, Iceland. The meeting is planned to be an on-site meeting however a virtual meeting is also under consideration. The final decision of the meeting format will be made in July. The second meeting circular, themes and sessions as well as additional information can be found here:

[https://jfi.is/ngwm\\_2022/](https://jfi.is/ngwm_2022/)



### **The 9<sup>th</sup> Nordic Geographers Meeting 2022**

The Department of Geographical and Historical Studies and the Karelian Institute at the University of Eastern Finland warmly welcome you to the 9<sup>th</sup> Nordic Geographers Meeting on “Multiple Nordic Geographies” from the 7<sup>th</sup> to the 10<sup>th</sup> of February 2022 in Joensuu, Finland. Abstract submission will be opened in August 2021. More information on the meeting programme, keynotes, sessions and excursions are available on this website:

<https://www.ngm2022.fi/>.



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## Open call for Young Geomorphologists National Representatives

We kindly invite Young Geomorphologists (undergraduate or postgraduate – Masters/PhD students or scientists who have received their highest degree, i.e. BSc, MSc or PhD within the past 7 years; provided parental leave fell into that period, up to one year of parental leave time may be added per child, where appropriate) in the Nordic countries to join our initiatives and to consider the opportunity to become a Young Geomorphologists National Representative. As a Young Geomorphologists National Representative you will have key responsibilities in creating young geomorphologists activities in your Nordic country under the umbrella of IAG GeoNorth (<https://geonorth.org/>). If you are interested in this possible role please contact Achim A. Beylich ([achim.beylich@geofieldlab.com](mailto:achim.beylich@geofieldlab.com)).

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## Spotlight

### Report from an exploratory meeting about creating a Geomorphology Map of Sweden

Mark D. Johnson

*Department of Earth Sciences, University of Gothenburg, Sweden*

On January 13<sup>th</sup> and 14<sup>th</sup> 2021, a group of 25 geomorphologists living and working in Sweden met to discuss the potential of creating an online Geomorphology Map of Sweden. The group consisted of geographers and geologists from the Swedish Geological Survey and from Lund, Umeå, Uppsala, Gothenburg and Stockholm Universities. As this was the first time this group met as 'geomorphology-interested folk,' we spent a great deal of time introducing ourselves, as well as listening to 5-minute presentations on what 'turns us on' in terms of geomorphological projects. For example, we heard that fluvial systems in Sweden are highly controlled by the surface conditions that the glaciers left for them (Lina Polvi Sjöberg, Umeå); that ice-cored moraines still exist in Sarek National Park (Benedict Reinhardy, Stockholm); that LiDAR has revealed beautifully the shorelines of lakes dammed between the Scandes and the retreating ice sheet (Carl Regnell, SGU); that multiple ice-flow sets are represented by crag-and-tails in Jämtland (Robin Blomdin, SGU); that Veiki moraine in northern Sweden reveals a Mid-Wechselian stagnant-ice landscape (Helena Alexandersson, Lund); that fluvial gorges exist below the lakes around Siljan (Per Möller, Lund); that subglacial, dendritic channels are commonly found on the Baltic sea floor (Sarah Greenwood, Stockholm); that cosmogenic nuclides testify to limited glacial erosion and much inheritance on Swedish bedrock (Jakob Heyman, Gothenburg); that ice advances and marginal snow banks make somewhat temporary push moraines (Sven Lukas, Lund); and that there is a size threshold in SW Sweden between stoss-side drumlins and crag-and tails (Mark Johnson, Gothenburg).

The two-day discussions centered on a vision for the Geomorphology Map of Sweden; what it would look like, how it would be produced, and how it would be managed. We were in general agreement that the Swedish Geological Survey is the logical home for such a map. It was also a key objective for the map that it not only includes glacial forms, which dominate the landscape, but fluvial, marine, smaller scale alpine forms, as well as large-scale forms like peneplains and 'platåberg.' We were aided by presentations from Christian Öhring from the Swedish survey about the current status of their landform database and one from Sarah Greenwood who was a key participant in the BRITICE map. The meeting concluded with a decision to meet again soon and to form a steering committee that would deal with the nuts and bolts of the project, as well as investigate funding sources.

The meeting revealed that Sweden has a large and diverse group of scientists with a passion for landforms! Please stay tuned for further development!

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## Photo series of distinctive geomorphological landforms in the five Nordic countries



Impressions from the Reykjanes eruption, Iceland in May 2021

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### Call for contributions

You are kindly invited to send contributions for the fourth GeoNorth/GeoNor Newsletter 2/2021 (December). Please send possible contributions before 10 December 2021 to Katja Laute ([katja.laute@geofieldlab.com](mailto:katja.laute@geofieldlab.com)), e.g.:

- notice on relevant ongoing or future research projects,
- notice on new and relevant scientific publications,
- news from field work (including a photo),
- notice on relevant meetings, workshops, seminars,
- announcement of training courses and exchange opportunities for students and PhD students,
- photos on distinctive geomorphological landforms of your country,
- other important information.

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8 July 2021

© Katja Laute  
*Secretary of IAG GeoNor and  
GeoNorth national representative*

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