



IAG GeoNorth and GeoNor Newsletter

The Nordic Countries as National Scientific Member (NSM) of the International Association of Geomorphologists (IAG)

The Nordic Network of Geomorphology Groups from Denmark, Finland, Iceland, Norway and Sweden (GeoNorth) and the Geomorphology Group of Norway (GeoNor) were formally approved as National Scientific Members (NSMs) of the International Association of Geomorphologists (IAG) in 2019 (<http://www.geomorph.org/national-scientific-members/>).

IAG National Scientific Members like GeoNorth (Group Member including Denmark, Finland, Iceland, Norway and Sweden) and GeoNor (Norway) receive benefits as defined by IAG (<http://www.geomorph.org>):

- Substantial discount in the registration fee of IAG conferences for the participants from countries that are Scientific Members of the IAG,
- The possibility to nominate candidates for the IAG Executive Committee,
- Voting rights: National Scientific Members have the right to vote in the IAG Council Meetings, in which the main decisions are taken, such as the election of the IAG Executive Committee members subject to nomination or the location of future IAG conferences, both regional and international.

One of the defined goals of the Nordic Network and IAG NSM GeoNorth is to serve as a catalyst for the initiation and further development of national geomorphology groups in the five Nordic countries (<https://geonorth.org>).

The IAG NSM GeoNor (Norway) has been running since 2019 and will from 2022 onwards be formally organized as a defined scientific subgroup under the Norwegian Geological Society (NGF). After fruitful discussions within the Norwegian geomorphology community it was decided on 30 September 2021 that this step will occur by developing the Norwegian geomorphology group towards a more formalized legal entity with an elected board, being located under the umbrella of the Norwegian Geological Society (NGF) (<https://www.geologi.no>). There is agreement within the Norwegian geomorphology community that this achievement in 2022 will further increase the national and international visibility of Norwegian geomorphology and will foster the integration of geomorphology within the entire geo-community in Norway. See also the report by Kaland, T., 2021. Geomorfologene kommer. *GEONYTT* 26/4, 17-18. NGF.

The next GeoNorth conference will be organized by the Danish national representatives and shall take place as an in-person event in Copenhagen (Denmark) in fall 2022 (see below).

I also would like to encourage all Nordic colleagues to attend the IAG Regional Webinar *Northern Europe* on 4 March 2022 (see below).

On behalf of all GeoNorth and GeoNor representatives I wish you a peaceful Christmas and I send you the best wishes for a happy and successful year 2022.

Achim A. Beylich
Chair of GeoNorth and GeoNor

Introduction of GeoNorth national representatives (Part IV)



Dr. Joni Mäkinen
*Department of Geography and
Geology, University of Turku,
Finland*

Finland, national representative

I am a senior lecturer in Physical Geography at the Department of Geography and Geology, University of Turku, Finland. I have a PhD in Geography and a Docentship in Geographical Environmental Research. My special scientific interests are glacial geomorphology and sedimentology, hydrogeology and groundwater applications as well as environmental magnetism related to airborne PM. Currently, I am conducting the RewarD project funded by the Academy of Finland (2019-2023). The project investigates subglacial geomorphology and hydrology between distributed and channelized drainage systems with a main focus on the genesis of murtoos (subglacial landform discovered from high-resolution LiDAR DEMs) and related meltwater routes. I love hiking in Finnish Lapland.

Selected latest publications

New article by:

Luetzenburg, G., Kroon, A. & Bjørk, A.A.
Evaluation of the Apple iPhone 12 Pro LiDAR for an Application in Geosciences. *Sci Rep* 11, 22221 (2021).

<https://doi.org/10.1038/s41598-021-01763-9>

In 2020 Apple Inc. released the iPhone 12 Pro with a novel build-in LiDAR sensor. The aim of our study was to test and assess the application of the LiDAR scanner in the iPhone and iPad for geoscientific research. We compared 3D models acquired with the iPhone LiDAR to state of the art Structure from Motion point clouds from a coastal cliff in Denmark. Overall, the LiDAR sensor presents a novel, cost effective and time efficient alternative to established methods of topographic land surveying that is capable of rapidly scanning the topography of small to medium scale landforms in high spatial resolution.



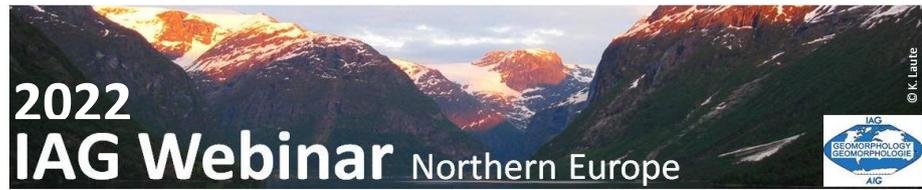
LiDAR scan with the iPhone of the beach in front of a coastal cliff in Denmark. Photo credit: Kent Pørksen

GeoNorth Conference 2022



The next GeoNorth conference will be organized by the Danish national representatives Verner Brandbyge Ernstsen, Mikkel Fruergaard and Gregor Lützenburg within GeoNorth and shall take place as an in-person event in Copenhagen, Denmark in fall 2022. The conference will include scientific presentations and discussions, networking events, and a field excursion. More information will follow soon.

IAG Webinar for Northern Europe 2022



Within the framework of the IAG International Geomorphology Week 2022 (28 February – 4 March) a regional online webinar for Northern Europe will be again organised by Katja Laute and Achim A. Beylich. The webinar is scheduled for Friday 4 March 2022 at 9:00 CET and will be open to the entire international scientific community. The webinar will cover the latest and innovative geoscientific research presented by selected and invited colleagues from the countries Denmark, Finland, Iceland, Ireland, Norway, Sweden and the UK. Further information will be circulated soon and will also be available at: <http://www.geomorph.org/international-geomorphology-week-2022/>.

Conference announcements

The 9th 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 9th Nordic Geographers Meeting on “Multiple Nordic Geographies” from the 7th to the 10th of February 2022 in Joensuu, Finland. Registration deadline is 19 December 2021. More information can be found here: <https://www.ngm2022.fi/>.



EGU General Assembly 2022

The EGU General Assembly (3 – 8 April 2022) will bring together geoscientists from all over the world for one meeting covering all disciplines of the Earth, planetary, and space sciences. The programme offers a wide range of exciting scientific sessions on geomorphology with a number of colleagues from the Nordic countries being actively involved in the organisation of sessions. Abstract submission is open until 12 January 2022 at 13:00 CET, and registration will open from mid-January 2022. Further details and updates can be found here: <https://www.egu22.eu/>.



New dates for the 35th Nordic Geological Winter Meeting 2022

The Geoscience Society of Iceland is pleased to announce new dates for the postponed 35th Nordic Geological Winter Meeting. The meeting will take place on site in Reykjavík from the 11th to the 13th of May 2022 on the campus of the University of Iceland in Reykjavík. Besides the scientific meeting several field excursions will be offered. Registration and abstract submission will open on the 15th of January 2022. More information can be found here:

https://jfi.is/ngwm_2022/



10th IAG International Conference on Geomorphology 2022

The 10th International Conference of the International Association of Geomorphologists (IAG) will take place in Coimbra, Portugal from 12 to 16 September 2022 under the theme “*Geomorphology and Global Change*”. Join the conference for an outstanding scientific programme on Geomorphology, fascinating field trips to explore the diverse geomorphology of Portugal and inclusive networking opportunities. The conference offers 25 thematic sessions representing the latest innovations in theoretical, methodological and applied approaches in Geomorphology. Abstract submission will be open from 14 January to 14 March 2022. Further information as well as a pre-registration can be found here: <https://www.icg2022.eu/>.

Announcement of activities

Upcoming Special Issue focusing on “*Cryosphere degradation in a changing climate*” that will be published in the journal *Land Degradation & Development*.

The focus of the Special Issue is on processes leading to cryosphere degradation and its impact on the environment, human activities, infrastructures and natural hazards in high-mountain areas. The submission deadline will be 30th September 2022.

Special Issue Guest Editors are José M. Fernández-Fernández, Marc Oliva, Adriano Ribolini and Þorsteinn Sæmundsson.

Expressions of interest including potential paper titles, lists of authors and abstracts can be sent until 15th January 2022 to José M. Fernández-Fernández (josemariafernandez@ucm.es).

Photo series of distinctive geomorphological landforms in the five Nordic countries



Coastal scenery of the Lofoten, Norway (view towards Haukland beach and mountain top Mannen) in June 2021

Call for contributions

You are kindly invited to send contributions for the next newsletter 1/2022 (June). Please send possible contributions before 10 June 2022 to Katja Laute (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.

18 December 2021

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

This newsletter will continue in 2022 as GeoNorth newsletter.
You can follow us on twitter [@GeoNorth4](https://twitter.com/GeoNorth4) and sign up for updates on our [website](#).

