Professor in physical geography
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Austerdalsisen at Svartisen July 2020.
Photo: S.O. Dahl

Research interests:

- Glacier fluctuations and glacier-climate interaction during the Little Ice Age, the Holocene, the last deglaciation and the Weichselian by use of lake sediments, aeolian deposits, stratigraphical investigations and quaternary geological mapping.

- Glacier-ocean interaction

- River floods / glacier lake outburst floods (GLOFs) and related sediments and landforms.

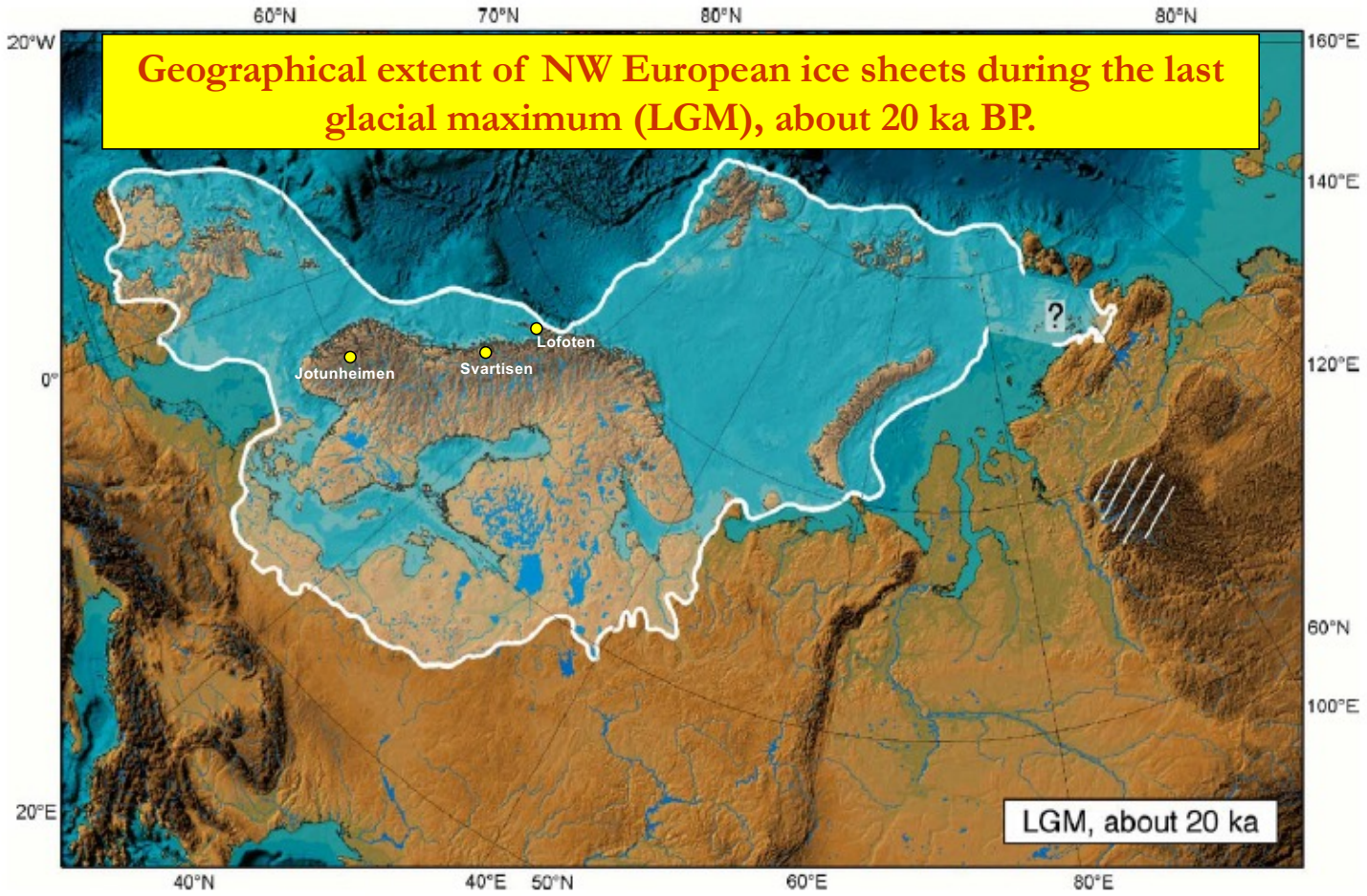
- Colluvial processes and related landforms

- Periglacial processes and related landforms.

New master projects in physical geography

autumn 2023

Svein Olaf Dahl

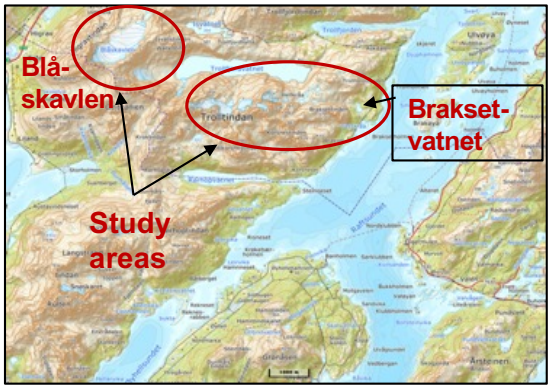


After Svendsen et al. (2004)

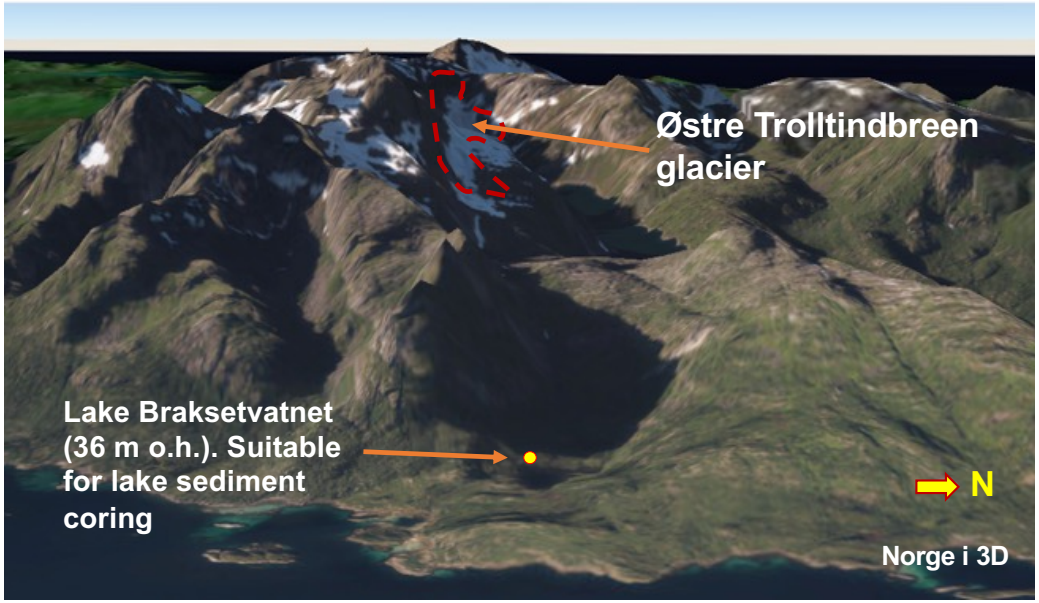
Overview map showing localization of new master projects in physical geography autumn 2022 - Svein Olaf Dahl

One or two master projects in physical geography:
Holocene glacier fluctuations and palaeoclimatic reconstruction at Blåskavlen and Østre Trolltindbreen, Lofoten, northern Norway

Supervisors: Svein Olaf Dahl (Svein.Dahl@uib.no), Pål Ringkjøb Nielsen & Kristian Vasskog



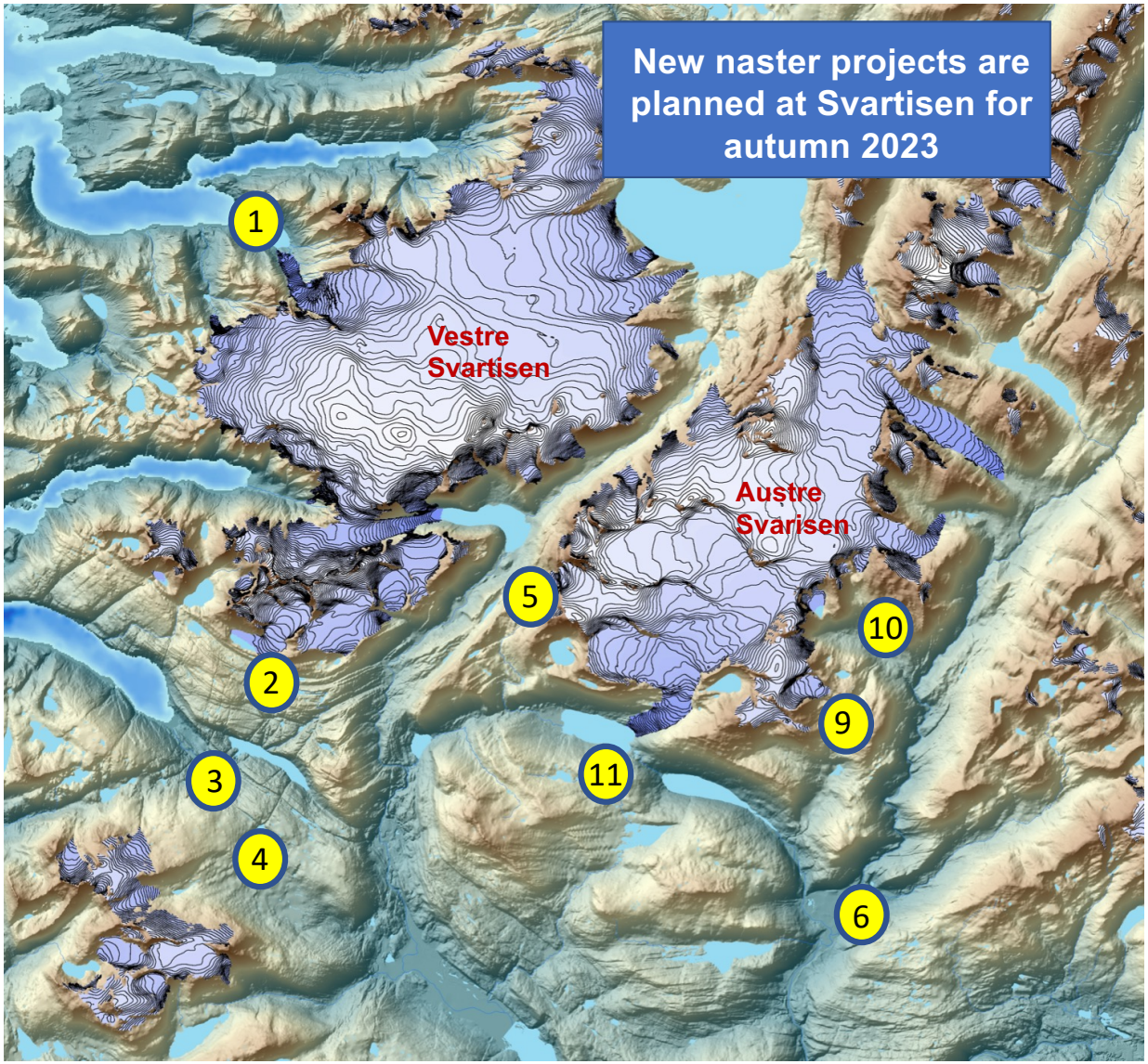
Blåskavlen seen from north. Norge i 3D



Methods: Air photos, drone, quaternary geological mapping, lichenometry, stratigraphical investigations, GIS, lake sediments, fieldwork ca. 3 weeks. Car necessary.

Dating: ^{14}C-dating, ^{210}Pb dating, lichenometry.

Objective: Reconstruct and date the Holocene glacier and climate history of Blåskavlen and Østre Trolltindbreen in Lofoten, northern Norway, with special focus on the Neoglacial/Little Ice Age.

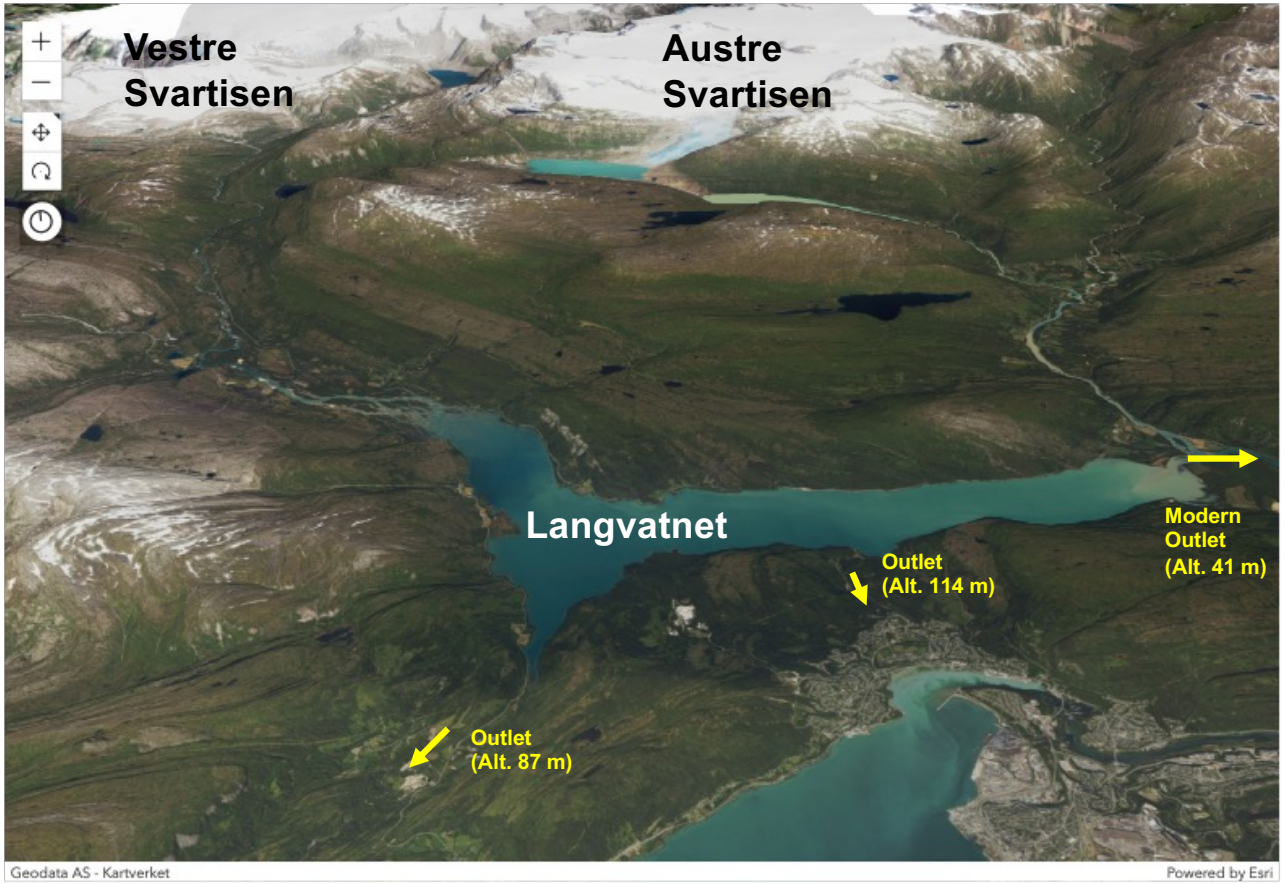


Finished and ongoing glacier related master projects in the Svartisen area

1. Engabreen/Fonndalsbreen => Sunniva Svendsen - finshed
2. Svartisheibreen => Joseph Michael Buckby - finshed
3. Høgtuvbreen N-NE => Anna de Bode Svendsen - ongoing
4. Høgtuvbreen E-NE => George Young – finshed
5. Kampliisen/Flatisen => Isaac Dawson - ongoing
6. Rauvassdalen => Arild brattebø – ongoing
7. Semskfjellet-Lønsdalen (northern Saltfjellet) => Sofie Jordheim – finshed
8. Sulitjelmaisen S-SE => Matthew James Jenkin – finshed
9. Gåbrokbreen => Jack M. J. Crouch - ongoing
10. Bjellådalen => Emanuel P. Berchtold - ongoing
11. Austerdalsisen - GLOF => Thomas F. Sjursen- ongoing

Master project in physical geography: Glacier- and land-uplift history, and interaction between Holocene phases of (glaci-) lacustrine and (glaci-) marine environments based on isolation basins along Langvatnet just south of Svartisen.

Supervisors: Svein Olaf Dahl (Svein.Dahl@uib.no & Kristian Vasskog



Methods: Air photos, remote sensing, GIS, drone, quaternary geological mapping, coring, sedimentological/stratigraphical investigations etc. Fieldwork ca. 4 weeks. Car an advantage.

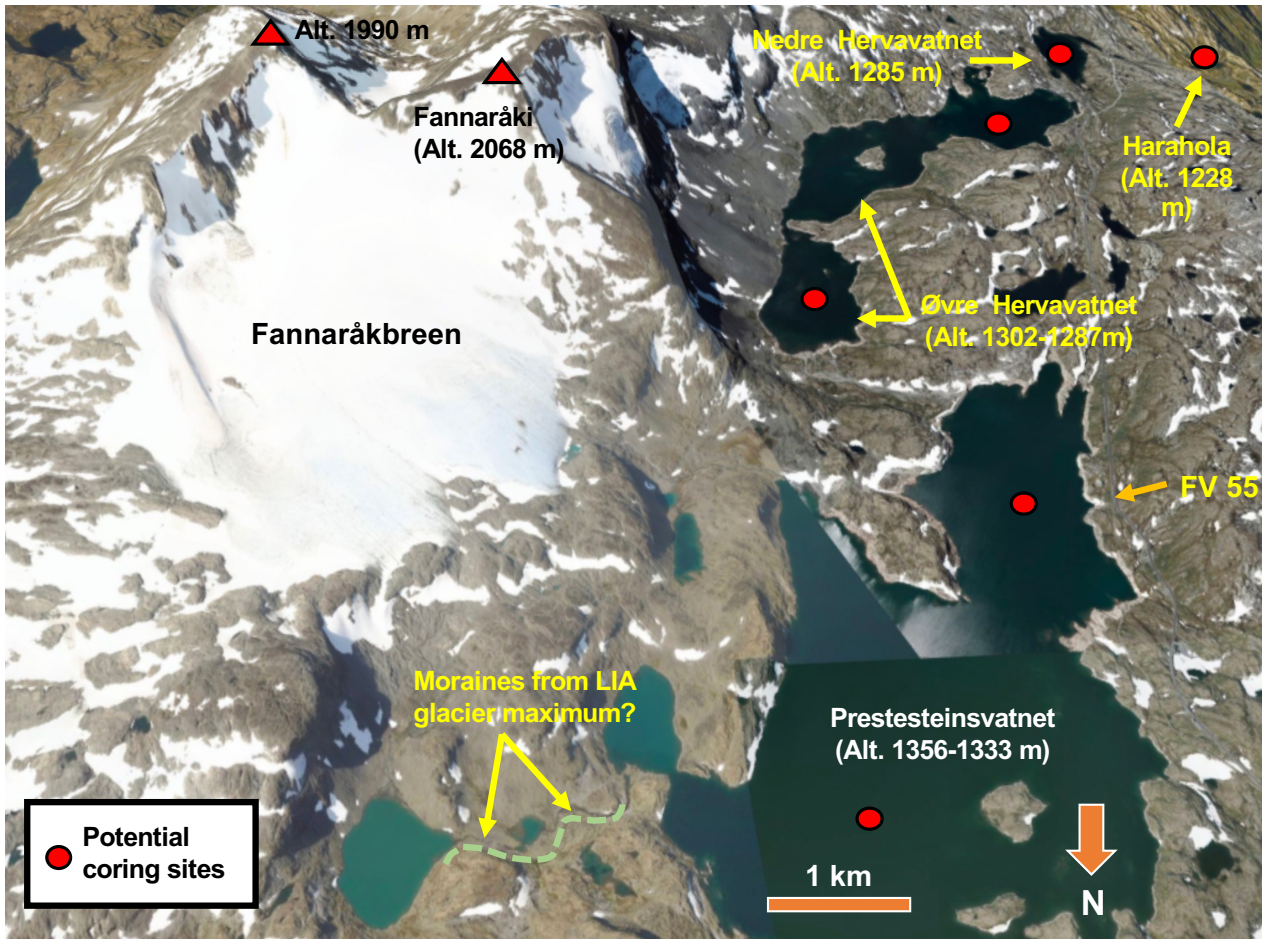
Dating: AMS 14C dating,

Main Objectives:
By use of Quaternary geological mapping of marginal moraines/glacier extent and multi-proxy sediment analysis of sediment cores from isolation basins and altitude of terraces reconstruct early to mid Holocene glacier-, climate and sea level history in the Langvatnet area just south of Svartisen.

Two master projects in physical geography:

Holocene glacier and climate fluctuations at Fannaråkbreen, Sognefjellet, NW Jotunheimen

Supervisor: Svein Olaf Dahl (E-mail: Svein.Dahl@uib.no)



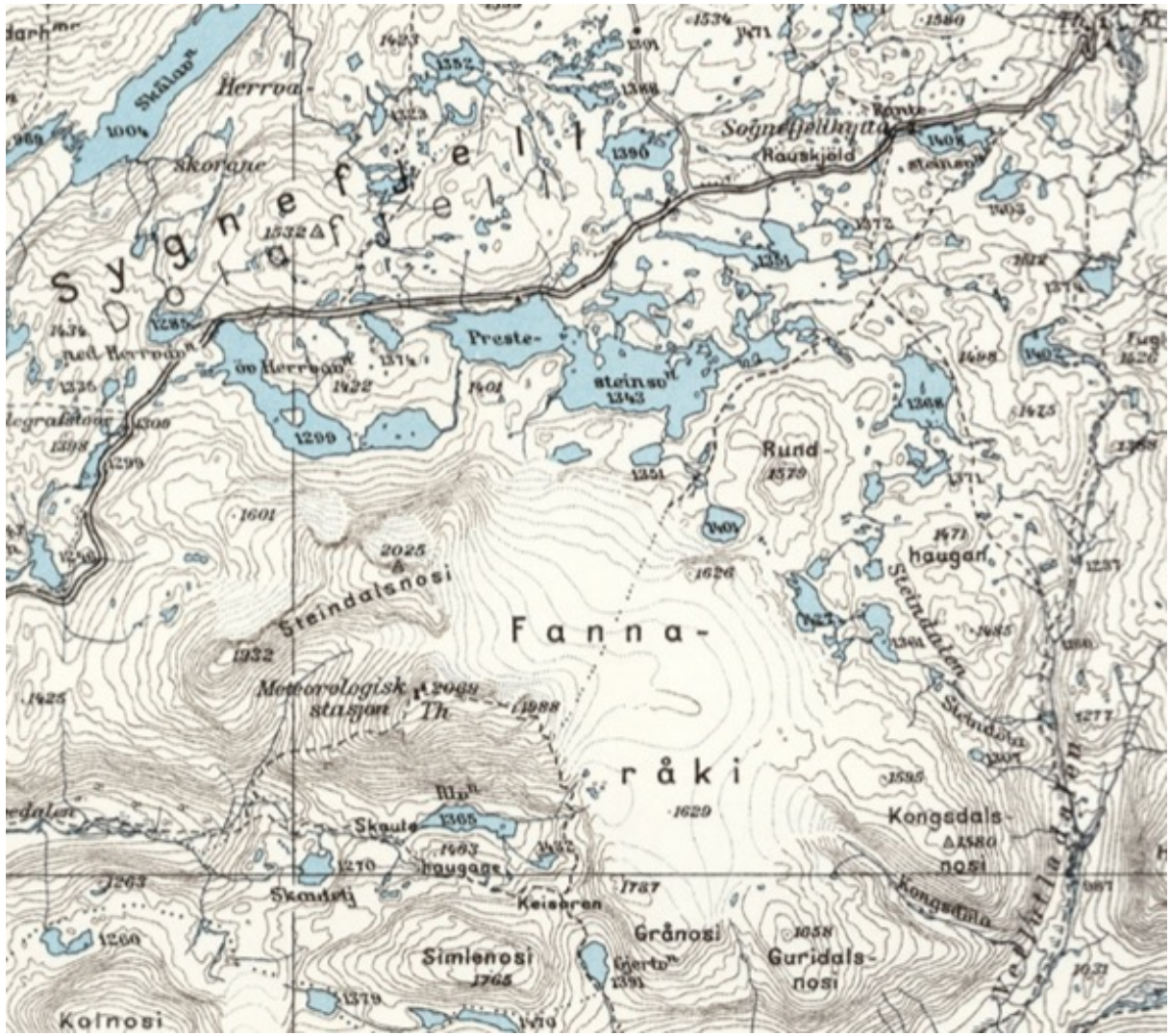
Norge i Bilder

Methods: Air photos, remote sensing, historical photos and observations, GIS, drone, quaternary geological mapping, coring, sedimentological/stratigraphical investigations, echo sounder etc. Fieldwork ca. 4 weeks. Car an advantage.

Dating: AMS 14C dating, lichenometry

Main Objectives:

By use of Quaternary geological mapping of marginal moraines/glacier extent and multi-proxy sediment analysis of sediment cores from a chain of proglacial lakes reconstruct Holocene glacier- and climate fluctuations at Fannaråkbreen with special focus on the Neoglacial/Little Ice Age



Norges Geografiske Oppmåling (1956)

Fannaråken mapped 1936-1938.
Note unregulated proglacial lakes.