



# The 50<sup>th</sup> Nordic Seminar in Seismology

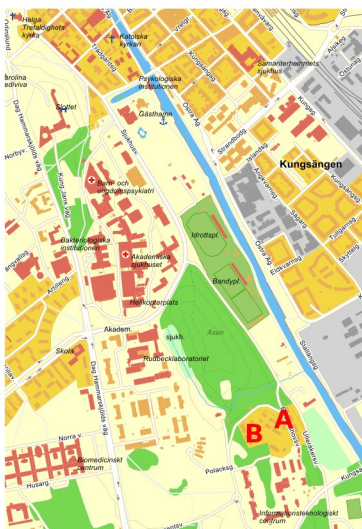
## PROGRAM

### Venue

The seminar will be held at Eklundshof, in the building “Stora magasinet”, located at A on the map below. The initial registration and all lunches will take place in the “Matsal/Reception”, at B on the map.

It is a 15 – 20 minutes walk from the city center to Eklundshof. Bus number 4 runs from the city (Bäverns gränd or Svandammen) to Polacksbacken, from where there is a 5 – 10 minute walk north to Eklundshof.

Stora magasinet: 59.8431, 17.6494  
Reception/Matsal: 59.8430, 17.6480



## Monday 14/10

12:00 – 13:30      Gathering and lunch in Eklundshof reception and dining hall, red building.

### Seismic networks and monitoring

Chair: Kristín Jónsdóttir, IMO

- 13:30 – 13:40      Welcome and practicalities  
13:40 – 14:00      Michael Roth: New developments at the Swedish National Seismic Network  
14:00 – 14:20      Christian Weidle: Recent developments in seismic network densification in Northern Germany  
14:20 – 14:40      Leif Persson: Calibration of the ML scale for the Hagfors station
- 14:40 – 15:10      Coffee  
15:10 – 15:30      Peter Voss: The seismological service of Denmark and the Nordic cooperation  
15:30 – 15:50      Carl Hellesen: Seismic and infrasound measurements from the SHIELD explosion  
15:50 – 17:00      Posters

## Tuesday 15/10

### 50<sup>th</sup> anniversary session

Chair. Björn Lund, Uppsala

- 09:00 – 09:30      Ola Dahlman: Nordic cooperation a forerunner to international work on CTBT verification.  
09:30 – 10:00      Svein Mykkeltveit: Reflecting on 50 years of Nordic Seismology Seminars, from the perspective of the nuclear test ban  
10:00 – 10:30      Leif Persson: Some pictures from 50 years of seismology at FOA/FOI
- 10:30 – 11:00      Coffee  
11:00 – 11:30      Tormod Kvaerna: Some seismic observational highlights 1969-2019; nuclear tests, other man-made events, and earthquakes  
11:30 – 12:00      Hilmar Bungum: Some reflections on 50+ years in seismological science
- 12:00 – 13:30      Lunch

### Natural and induced seismicity, and structure

Chair: Tommi Vuorinen, Helsinki

- 13:30 – 13:50      Trine Dahl Jensen: Focal mechanisms in Greenland and Baffin  
13:50 – 14:10      Kristín Jónsdóttir: Earthquake "activities" in North Iceland: The triennial workshop NORTHQUAKE: Seismic swarms in the Tjörnes fracture zone and the Húsavík earthquake exercise  
14:10 – 14:30      Alex Hobé: The tomographic baseline: a benefit of permanent seismic networks  
14:30 – 14:50      Ólafur Guðmundsson: Locating volcanic tremor with network data

14:50 – 15:20      Coffee

Chair: Tormod Kvaerna, Norsar

15:20 – 15:40      Björn Lund: Triggering of intraplate seismicity by variations in glacier loading

15:40 – 16:00      Tommi Vuorinen: Monitoring an enhanced geothermal system in downtown Helsinki

16:00 – 16:20      Kati Oinonen: Information and recommendations for the Finnish Ministry of the Environment about geothermal energy

16:20 – 17:00      Posters

19:00 -      Dinner at “Heart and Bones”, Drottninggatan 9

## Wednesday 16/10

### EPOS

Chair: Peter Voss, GEUS

09:00 – 09:30      Kuvvet Atakan: European Plate Observing System (EPOS): a Sustainable Research Infrastructure in Solid Earth Science

09:30 – 09:50      Tor Langeland: EPOS-Norway – Portal

09:50 – 10:10      Toni Veikkolainen: Developing Finnish online services in seismology

10:10 – 10:40      Coffee

10:40 – 11:00      Annakaisa Korja: The Nordic Research Infrastructure Hub proposal

11:00 – 11:50      EPOS discussion

### or

Visit to the SNSN Data Center 09:30 – 11:20 Karin Berglund, Gunnar Eggertsson and others.

11:50 – 12:00      Closing words, invitation to next year’s seminar.

12:00 – 13:00      Lunch



## Posters

- Frederic Wagner: Seismic migration and stack based event detection: a test study for the Swedish National Seismic Network
- Gintare Andriuskeviciene: State of Seismological observation and monitoring in Lithuania
- Gunnar Eggertsson: Identifying P and S phases using supervised learning algorithms
- Jan Michalek: EPOS-Norway Integration of Norwegian geoscientific data into a common e-infrastructure
- Nicolai Rinds: Installation of broadband seismometers for risk evaluation related to landslide and subsequent flooding in Greenland
- Peter H. Voss: The HIKE project - an overview
- Samar Amini: Directivity analysis of the 2017 Hojedk triplet in Kerman, Eastern Iran
- Tuija Luhta: Development of daily seismic analysis at the Institute of Seismology, University of Helsinki
- Zeinab Jeddi: Temporary Ocean Bottom Seismographs in the Arctic