



## **NKG Working Group of Geodynamics and Earth Observation (WGGEO)**

### **Agenda for the online WG meeting (hosted by the Högskolan i Gävle), 16 March 2021**

The meeting will use **Zoom**.

#### **Tuesday 16 March**

##### **Introduction**

08:45

Meeting starts

08:45 – 09:00

Welcome

- Approval of the agenda
- Minutes from the last meeting (Reykjavik 2020)
- Appointment of secretary (Iceland)
- Introduction by the chair, input from the NKG presidium

##### **InSAR**

09:00 – 09:30

Yasser Maghsoudi: “The Use of InSAR Technology for Studying Earthquakes and Tectonic Activities” (**invited**)

09:30 – 09:50

Per-Anders Olsson et al.: “Swedish GMS Project: Test and Evaluation of a Swedish Ground Motion Service”

09:50 – 10:10

Faramarz Nilfouroushan et al.: “Geodetic SAR Project: Establishment of a Regional Electronic Corner Reflectors Network around the Baltic Sea”

10:10 – 10:30

Lukas Rüsçh, Stefan Friedländer, Ludwig Schröder: “Recent Remote Sensing and Geodetic Activities in the Baltic Sea Region at the Federal Agency for Cartography and Geodesy (BKG)”

10:30 – 10:45

*Coffee and tea break* ☕



# NORDISKA KOMMISSIONEN FÖR GEODESI

- 10:45 – 11:05 Kristian Keller, Erik Lysdal, Aslak Meister & May Ritt Veybøll Pedersen: “Compact Active Transponder (CAT) as an alternative to traditional corner reflectors - preliminary experiences from a test bed in Havnebyen, Denmark”
- 11:05 – 11:25 Madara Znotiņa et al.: “Electronic Corner Reflectors test phase in Latvia”
- 11:25 – 11:45 Tõnis Oja & Anti Gruno: "Monitoring of ground movements in Tallinn using PS-InSAR analysis"
- 11:45 – 12:05 Nureldin Gido, Mohammad Bagherbandi, Faramarz Nilfouroushan: “Localized Subsidence Zones in Gävle City Detected by Sentinel-1 PSI and Leveling Data”
- 12:05 – 12:15 **Discussion**
- How much NKG coordination is needed for InSAR in the Nordic and Baltic countries?
  - Shall WGGeo continue serving as annual forum?
  - Should we propose to start of a new NKG study group or NKG project at the next NKG GA?
- 12:15 – 13:15 *Lunch break* 🍴
- Glacial Isostatic Adjustment**
- 13:15 – 13:30 Holger Steffen: “Notes on the quality of global GPS databases before use in regional GIA investigations and on elastic correction”
- 13:30 – 13:40 Matt Simpson: “Project QUANTSEA”
- 13:40 – 14:15 **Discussion**
- 13:40 – 13:55 Holger Steffen: “NKG2022GIA activity status March 2021”
- Coordination
  - Relation to QUANTSEA project
- 13:55 – 14:15 Holger Steffen et al.: “BIFROST2020 and NKG202XLU status”
- Gravimetry**
- 14:15 – 14:35 Mirjam Bilker-Koivula, Jaakko Mäkinen, Hannu Ruotsalainen, Jyri Näränen, Timo Saari: “Latest results of the Finnish absolute gravity time series”
- 14:35 – 14:45 Jaakko Mäkinen: “Correction for the polar motion in gravimetry and in positioning: compatibility issues”
- 14:45 – 15:00 **Discussion**
- 14:45 – 14:50 Nordic AG database update (Andreas Engfeldt)
- 14:50 – 14:55 2021 Nordic AG comparison in Onsala (Andreas Engfeldt)



# NORDISKA KOMMISSIONEN FÖR GEODESI

- 14:55 – 15:00      Status of the land uplift gravity lines publications (Jaakko Mäkinen)
- 15:00 – 15:05      Business Matters
- Status of the NKG website
  - Mailing list
  - AOB
- 15:05                Closing of the meeting, next meeting(s)
- Sweden (Lantmäteriet & HiG) will be the next host.