



NKG Working Group of Geodynamics and Earth Observation (WGGEO)

Agenda for the hybrid 46th WG meeting Lantmäteriet, Gävle, Sweden, 14–15 March 2022

Skype for Business link (for those who present online):

<https://meet.lm.se/holger.steffen/90S74M7G>

Note: Skype link will be activated after the talk by Fabio Crameri, Monday, ca. 14:00.

Quickchannel link Monday, 14 March: <https://play.quickchannel.com/play/lqdecgd>

Monday 14 March, Hörsalen, Lantmäteriet

12:15 – 13:00

Lunch sponsored by LM at Restaurang Kompassen 🍴

Introduction

13:00

Meeting starts in Hörsalen at LM (right next to the restaurant)

13:00 – 13:15

Welcome

- Approval of the agenda
- Minutes from the last meeting (Online at HiG 2021)
- Appointment of secretary (Gabriel Strykowski, Denmark)
- Introduction by the chair, input from the NKG presidium

Outreach

13:15 – 13:55

Fabio Crameri: “How to prevent misuse of colour in data processing and science communication” (*invited*)

Geodynamics

(Skype link will be activated now)

13:55 – 14:15

Rebekka Steffen, Holger Steffen, Robert Weiss, Benoit S. Lecavalier, Glenn A. Milne, Sarah A. Woodroffe & Ole Bennike: “Earthquakes induced by ice-mass loss: A case example for southern Greenland”

14:15 – 14:35

Yiting Cai: “Non-tectonic-induced stress variations on active faults”

14:35 – 14:55

Jesse Reusen, Bart Root, Wolfgang Szwillus, Javier Fulla & Wouter van der Wal: “Contribution of GIA and deep mantle to gravity field anomaly in North America”

14:55 – 15:15

Coffee and tea break ☕



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- 15:15 – 15:35 Hadi Amin: “A new model for surface mass change detection from GRACE(-FO) gravity fields”
- 15:35 – 15:55 Halfdan P. Kierulf: “Ice and snow loading in Svalbard recovered from observations”
- 15:55 – 16:10 **Discussion**
- 15:55 – 16:05 BIFROST2020 and NKG202XLU status March 2022 (Holger Steffen)
- 16:05 – 16:10 NKG2022GIA activity status March 2022 (Holger Steffen)
- Gravimetry**
- 16:10 – 16:30 Maxime Mouyen: “Using models and local measurements to assess hydrological effects in gravity time series.”
- 16:30 – 16:50 Przemyslaw Dykowski: “IGiK contribution to the maintenance and realization of IGRF in Europe”
- 16:50 – 17:10 **Discussion**
- 16:50 – 16:55 Nordic AG database update (Andreas Engfeldt)
- 16:55 – 17:05 2022 Nordic AG comparison (NKG-CAG) in Onsala (Andreas Engfeldt, Mirjam Bilker-Koivula & Maxime Mouyen)
- 17:05 – 17:10 Status of the land uplift gravity lines publications (Jaakko Mäkinen)
- Business Matters**
- 17:10 – 18:00 (to be continued on Tuesday morning)
- New NKG bylaws
 - NKG Awards
 - Future of WGCEO
 - Chairperson proposal(s) for the next 4-yr period
- 19:00 – *Dinner sponsored by LM at Runebergs Kvarter skrog 🍴🍴*
Runebergsvägen 31, Gäddede



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Quickchannel link Tuesday, 15 March: <https://play.quickchannel.com/play/8srd6tf>

Tuesday 15 March, Hörsalen, Lantmäteriet

National reports (WGGEO+WGFHSG combined)

08:30 – 10:50

National/Institutional reports (max. 15 minutes per country)

- Denmark – SDFE & DTU (Aslak & Gabriel)
- Estonia (Andres)
- Finland (Mirjam)
- Iceland (Guðmundur)
- Latvia (Madara)

09:45 – 10:05

Coffee and tea break ☕

—Lithuania

- Norway (Ove)
- Sweden - Lantmäteriet, OSO & HiG (Andreas, Maxime & Jonas)

Academics

10:50 – 11:10

Maaria Nordman: “Renewal of Bachelor education at Aalto”

Business Matters

11:10 – 11:55

(continuation of Monday afternoon)

- New NKG bylaws
- NKG Awards
- Future of WGGEO
- Chairman proposal(s) for the next 4-yr period
- NKG General Assembly, 5(6)–8 September 2022, Copenhagen
- Status of the NKG website and WG mailing list
- Meeting registrations
- AOB

11:55

Closing of the meeting, next meeting(s)



NORDISKA KOMMISSIONEN FÖR GEODESI

Norway would be the next host. Other proposals/invitations?