



NKG Working Group of Geodynamics and Earth Observation (WGGEO)

Agenda for the WG meeting in Reykjavík, Iceland March 10, 2020

In case of practical problems contact the local organisers Thorarinn Sigurdsson (thorarinn@lmi.is, +354 8963414) or Gunnar H. Kristinsson (gunnar@lmi.is, +354 8963412).

The meeting will take place at Icelandair Hotel Reykjavik Natura, Meeting room #5.

Tuesday 10 March

Introduction

08:30

Meeting starts at Icelandair Hotel, Meeting room #5

08:30 – 08:45

Welcome

- Approval of the agenda
- Minutes from the last meeting (Lyngby 2019)
- Appointment of secretary
- Introduction by the chair, input from the NKG presidium and the Workshop yesterday (9 March 2020)

InSAR

08:45 – 09:15

Discussion

- Developments since last year
- Yesterday's Workshop conclusion
- InSAR plans at national authorities in NKG
- NKG's DRF project and InSAR
- Geodetic SAR project
- NKG coordination needed?
- WGGEO to continue as annual forum?
- Start of a new NKG study group? NKG project?

Glacial Isostatic Adjustment

09:15 – 09:35

Erja Huuskonen, Maaria Nordman & Mirjam Bilker-Koivula: "Sea level rise and land uplift in Kvarken and Höga Kusten by 2300"

09:35 – 10:30

Discussion

09:35 – 10:00

Holger Steffen: "NKG2022GIA activity status March 2020"

- Coordination of the NKG2022GIA activity



NORDISKA KOMMISSIONEN FÖR GEODESI

- 10:00 – 10:30 Holger Steffen, Halfdan P. Kierulf, Olav Vestøl, Andrzej Araszkiwicz, Kamil Kowalczyk, Valentina Barletta: “BIFROST2020 and NKG202XLU”
- Introduction of the NKG202XLU activity/project(?)
 - Coordination within NKG with NKG GNSS AC
- 10:30 – 10:50 *Coffee and tea break ☕*
- Outreach**
- 10:50 – 11:10 Maaria Nordman: “Geoinformatics research and teaching at Aalto University, Finland”
- Gravimetry**
- 11:10 – 11:30 Maxime Mouyen, Philippe Steer, Kuo-Jen Chang, Nicolas Le Moigne, Cheinway Hwang, Wen-Chi Hsieh, Louise Jeandet, Laurent Longuevergne, Ching-Chung Cheng, Jean-Paul Boy & Frédéric Masson: “Quantifying sediment mass redistribution from joint time-lapse gravimetry and photogrammetry surveys”
- 11:30 – 11:50 Mirjam Bilker-Koivula, Jaakko Mäkinen, Hannu Ruotsalainen, Jyri Näränen & Timo Saari: “Reprocessed and new absolute gravity time series in Finland”
- 11:50 – 12:10 Andreas Engfeldt: “RG 2000 – the 2019 realization of the new gravity reference frame of Sweden”
- 12:10 – 12:30 Hannu Ruotsalainen, Mirjam Bilker-Koivula & Jaakko Mäkinen: “Relative gravimeter calibration in changing gravity field”
- 12:30 – 13:30 *Lunch break 🍴*
- 13:30 – 14:30 **Discussion**
- 13:30 – 13:45 Maxime Mouyen & Magnus Våge: “Trying deep-learning approaches to disentangle SG time series”
- Introduction of the project
- 13:45 – 13:50 Per-Anders Olsson: “The absolute gravity project – status, Part I”
- Nordic database, AG data after 2015
- 13:50 – 14:05 Andreas Engfeldt: “FG5X / FG5: verticality and orientation – a presentation about results from Krên, Pálinkáš and Mašika in 2018”
- 14:05 – 14:15 Per-Anders Olsson: “The absolute gravity project – status, Part II”
- 2021 Nordic AG comparison in Onsala
- 14:15 – 14:30 Jaakko Mäkinen & Andreas Engfeldt: “The land uplift gravity lines, new results and status of the publications”



NORDISKA KOMMISSIONEN FÖR GEODESI

National reports (WGGeo+WGFHSG combined)

- 14:30 – 15:30 National/Institutional reports (max. 20 minutes per country except host country)
- Lithuania (Eimuntas)
 - Iceland (Guðmundur)
 - Sweden - Lantmäteriet and OSO (Andreas, Per-Anders & Maxime)
 - Finland (Mirjam)
 - Denmark – SDFE and DTU (Aslak & Gabriel)
 - Estonia (Andres)
 - Latvia (Madara & Vents)
 - Norway (Ove)
- 15:30 – 16:00 *Coffee and tea break ☕*
- 16:00 – 17:30 National/Institutional reports (cont.)
- 17:30 – 17:50 Business Matters
- Status of the NKG website
 - Mailing list suggestion
 - AOB
- 17:50 – 18:00 Closing of the meeting, next meeting(s)
- Sweden/Lantmäteriet is supposed to be the next host. Can also be discussed Wednesday in WGFHSG
- 19:30 *Science Week Dinner at Restaurant Naúthóll 🍴*
(ca. 1 km south from the hotel)