



NKG Working Group of Geodynamics and Earth Observation (WGGEO)

**Agenda for the hybrid 48th WG meeting
Hotel Reykjavik Grand, Reykjavik, Iceland
Thursday, 14 March 2024**

Teams link to online event (Thursday):

https://teams.microsoft.com/join/19%3ameeting_NmZmNmQ4MTctZmVhNy00OTQzLWFhZWUtOWNjNDcwYmEwN2Vj%40thread.v2/0?context=%7b%22Tid%22%3a%227f74c8a2-43ce-46b2-b0e8-b6306cba73a3%22%2c%22Oid%22%3a%22ae94e30f-24ad-4772-9c4a-ba12afcf132f%22%7d

Meeting ID: 372 767 375 247

Please **upload your presentations** to NKG_WGGH_WGGEO_2024

Place:

On-site:

Meeting room: Hvammur

Hotel Reykjavík Grand

Sigtún 28, 105 Reykjavík, Iceland

Online: [NKG WGGEO 48th meeting](#)

All times displayed as UTC (Iceland Time)!

Introduction

08:00

Meeting starts

08:00 – 08:15

Welcome

- Approval of the agenda
- Minutes from the last meeting (Aalto University 2023)
- Appointment of secretary (*Vents Zuševics, Latvia*)
- Introduction by the chair, input from the NKG Presidium



InSAR

- 08:15 – 08:35 Joanna Balasis-Levinsen: “EGMS - what's new and how you can be involved?”
- 08:35 – 08:55 Ambrus Kenyeres: “InSAR/GNSS integration for serving heighting reference”
- 08:55 – 09:15 Aslak Meister. “A comparison of the European Ground Motion Service with GNSS”
- 09:15 – 09:35 Faramarz Nilfouroushan, Chrishan Puwakpitiya Gedara & Nureldin Gido: “Seasonal Effects and Performance Analysis of Compact Active Transponders and Passive Radar Corner Reflectors in Sweden: Utilizing Multi-Year Sentinel-1 SAR Data”
- 09:35 – 09:55 Mahnoor Fatima, Marius Schlaak & Maaria Nordman: “Case study of two corner reflectors in Finland”
- 09:55 – 10:20 *Coffee and tea break ☕*

10:20 – 10:40

Discussion

- Status of the NKG reports suggested at the GA 2022
- NKG/EPOS reflector database?

Geodynamics

- 10:40 – 11:00 Halfdan P. Kierulf: “Ice, scale and reference frame”
- 11:00 – 11:20 Yohannes G. Ejigu & Maaria Nordman: “Analyzing the 3D deformation induced by non-tidal loading in GNSS time series in Finland”
- 11:20 – 11:40 Elisa Kropsu, Havu Pellikka, Terhi Rytteri, Tomi Heilala & Maaria Nordman: “Impacts of future sea level rise on meadows and sandy beaches on the Finnish coast”
- 11:40 – 12:00 Rebekka Steffen, Holger Steffen & Pingping Huang: “Development of a new GIA modelling code”
- 12:00 – 12:30 **Discussion**
- 12:00 – 12:10 Holger Steffen et al.: “NKG2022GIA - Status March 2024”
- 12:30 – 13:30 *Lunch 🍴*



- Absolute Gravimetry**
- 13:30 – 13:50 **Discussion**
- NKG database
- Recent updates & missing data
 - How should we handle any updates in light of the signed agreement from 2012?
- AG comparison in Onsala 2022
- Status of the report and next steps
- Relative Gravimetry**
- 13:50 – 14:10 Jaakko Mäkinen & Andreas Engfeldt: “Land Uplift Gravity Lines, status report”
- 14:10 – 14:45 **Open Discussion**
- 14:45 – 15:00 **Business Matters**
- A brief comment on invited presentations
 - G-ET Symposium in Strasbourg, 25-30 August
 - Status of the NKG website and mailing list
 - AOB
- 15:00 Closing of the meeting, next meeting(s)
- Next meeting in Norway, week 11, 2025.**
- 15:00 – 15:45 *Coffee and tea break ☕*
- BIFROST Splinter Meeting (with WGRF)**
- 15:45 – 16:00 Holger Steffen, Halfdan P. Kierulf et al.: “BIFROST2022 - Status March 2024”
- 16:00 – 16:10 Sonja Lahtinen: “Status report on NKG Repro2”
- 16:10 – 16:45 **Discussion**
- Processing plan update
 - Data access for GIPSY group