



NORDISKA KOMMISSIONEN FÖR GEODESI

Chairman
NIELS ANDERSEN
DTU Space
National Space Institute
Juliane Maries vej 30
Building Rockefeller, room 264
DK-2100 KØBENHAVN
Danmark

Secretary
MIKAEL LILJE
Lantmäteriet
Geodesienheten
SE-801 82 GÄVLE
SVERIGE

DRAFT AGENDA

62nd NKG PRESIDIUM MEETING

Time: 30 August, 2016
Place: Båstad, Sweden

Item 1) Opening of the meeting

Niels and Martin welcomes everyone to Båstad where the NKG 2016 Summer School is on-going.

Item 2) Approval of the agenda (All)

The draft agenda, visualized on a flipchart, is approved.

Item 3) Approval of the Minutes from NKG Presidium meeting No 61 (All)

The minutes from the last meeting are considered fine.

Item 4) Round table

- Sören, DK, SFDE; Nothing in particular to report for the moment.
- Jan, SE, Chalmers; The two new twin-telescopes for geodetic VLBI is now in place at Onsala (OTT – Onsala Twin Telescope).
- Markku, FI, NLS; Nothing new on the organizational aspects. FGI is in the middle of the process on new radio telescope. SLR is under final fine tuning. The book is almost ready!
- Laila, NO, Kartverket; Raidun will be taking care of internal services, and Laila will be the new deputy for geodesy. The old VLBI antenna on Ny Ålesund are getting old and is causing more and more operational problems.
- Anna, SE, KTH; Work on new education on master level in geodesy. But the process is slow and somewhat complicated.
- Niels, DK, DTU; There are 63 new students in the master program on Earth and Space physics and engineering. An external examination of DTU-Space has been done by an external panel (usually done every 4 year). It is only an internal documentation from the process.



Niels presents the report on “Future space infrastructure for the arctic region”. It has been a 4 year project and a report is now available (in Danish!). The report is considered to be the beginning of further work, rather than the end of a 4 year project.

- Martin, SE, LM; Lantmäteriet is in the process of buying a marine gravimeter.

Item 5) Summer School 2016, Sweden (All)

Niels was happy about the program and the organization and thanks everyone involved! The closing session was discussed and each country was asked to appoint a person who could share some personal reflexions on the school and some thoughts for the future.

Item 6) Nordic Work Shop, November 2016

At the last presidium meeting it was decided to arrange a NKG Land Uplift Workshop in Gävle in late November. Jonas Ågren will be the scientific leader and will be assisted by the other WG chairs. The original idea was to keep this workshop very small with only those who actually work on land uplift modelling. However, since there are many aspects on modelling and many different kind of data and analysis are included, it is considered reasonable with more participants at the workshop. (The dates are finally set to 1-2 December noon-to-noon.)

Item 7) UN-GGIM meeting and GGRF as elevated as a sub-committee

At the UN-GGIM meeting in New York in August, the GGRF working group was elevated to a permanent sub-committee on geodesy. Laila has taken over the formal part as chair in the working group. There is a need for a network of participants in the working group. Especially it is needed people to work in communication and outreach.

It seems that work needs to be done through regional organizations of UN-GGIM. Eurogeographics have its meeting in Budapest in the beginning of October. Maybe it is possible to have a splinter meeting on GGRF there? It is further discussed on how NKG can contribute to this important work.

Item 8) Storchefsmöte

It has been discussed earlier to make a WG./task force on the geodesy among the NMAs in the Nordic countries. It has been concluded that another group on geodesy in parallel to NKG will not be created, but better visibility of NKG and communication exchange at the Director General level is desired.

It is suggested to put the task on the agenda for the next Presidium meeting of NKG.

Item 9) Faroe Islands

The Faroe Islands would like to get involved in NKG. It was decided to invite the Faroe Islands to NKG.

The possibility to have next presidium meeting at Färöarna was considered, and to have a small workshop, half a day, on geodesy in connection to that.

Item 10) Geodesy in education

Laila has announced two subjects regarding geodesy in education:



1. Felles nordisk satsing på utvikling av undervisningsopplegg for geodesi i skolen.
2. Felles nordisk satsing i fht høyere utdanning (universitetsnivå).

The two items were discussed partly together.

In Norway there seems to be possibilities to get funds to create educational material for use in schools at different levels (from elementary school to upper secondary school). The view on geodesy as a space science could probably be a good way of promoting the topic.

Regarding geodesy at the university level, we could use the existing Nordic cooperation between technical universities, "Nordic 5 tech".

The topic is interesting and important and has been discussed within NKG before. It will be on the agenda for further discussion on next presidium meeting.

Item 11) Report from Working Groups

Anna reports that the WG Pos&Ref had a meeting in June with 12 participants, and the meeting was good, and there are now proposals for three projects:

- High level guidelines for GNSS-based real time positioning services and RTK/GNSS surveying
- Recommendations for procedures to monitoring GNSS positioning services
- Experiences with RTK/PPP/DGNSS services (perspective mass-market, smartphones etc.)

A fourth project has also been discussed:

- On preparing for Galileo; hardware, software and organizational issues.

The proposals have been prepared within small working groups for these projects.

The presidium had unfortunately not got the proposals for comments before the meeting. However, the Presidium found the initiative by the WG excellent and will discuss the proposals at the coming meeting.

The WG on Reference frames had its meeting in April. Most of the meeting was used for discussion and working with the projects. The NKG GNSS processing center has now 7 out of 8 local analysis centers (LAC) providing operational solutions (with roughly two weeks delay). Re-processing of the historical data has started. The first years to be re-processed are 2007 and 2008. Five LACs have submitted repro solutions for this period.

Project on transformations; the paper "The NKG2008 GPS campaign – final transformation results and a new common Nordic reference frame" has been published in Journal of Geodetic Science. Now we work on improving the land uplift model, and specially the horizontal components. Thereafter also the transformation may be updated.

Item 12) Co-operation with Russia

Markku has been contacted about the interest from NKG on co-operation with Russia.

Formally the previous agreement on cooperation was based on cooperation between individual countries and not formally through NKG.



The opinion seems cautious positive. It is important that the topics for the possible cooperation are well described. Markku will continue the contacts.

Item 13) Other Business (All)

No Other Business.

Item 14) Next meeting of the Presidium (All)

(Current order for presidium meetings; Iceland – Denmark – Norway – Sweden – Finland)

Please note that Färöarna would like to be involved. A Presidium meeting should be held there at some time.

It is proposed to go to Gävle for an ordinary presidium meeting. Possibly in connection to the NKG land uplift workshop!

19:13. End of meeting.

Participants:

Denmark:	Niels Andersen, DTU Space (Chair) Sören Fauerholm Christensen, Styrelsen for dataforsyning og effektivisering
Finland:	Markku Poutanen, NLS Pasi Häkli, NLS
Norway:	Laila Løvheden, Kartverket
Sweden:	Martin Lidberg, LM (Secretary) Jan Johansson, Chalmers Anna Jensen, KTH