



NORDISKA KOMMISSIONEN FÖR GEODESI

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MINUTES FOR THE 53RD PRESIDUM MEETING

Time: 31st May, 2013, 15.00 – 17.40 and 2nd June, 15.00 -
Place: Ilulissat, Denmark

Present:

Denmark: Niels Andersen (Chair), Per Knudsen, Lola Bahl

Finland: Jyri Näränen

Norway: Torbjørn Nørbech, Per Erik Opseth, Anne Jørgensen, Dagny Lysaker

Sweden: Mikael Lilje, LM (Secretary), Jan Johansson, Jonas Ågren

Item 1) Opening of the meeting

Nils welcomed us to the meeting and to Ilulissat on Greenland. This meeting is held in parallel to the International Symposium *Reconciling Observations and Models of Elastic and Viscoelastic Deformation due to Ice Mass Change* organised by the International Association of Geodesy.

Jyri Näränen, FGI was invited to participate to the Presidium meeting since no other presidium member from Finland was able to come. Also, no one from Iceland had the possibility to come to the meeting.

Item 2) Approval of the agenda (All)

The agenda was approved

Item 3) Minutes from NKG Presidium meeting No 52 (All)

The minutes from last Presidium meeting that was held on Iceland was accepted.

Item 4) Pending Actions from last meeting

During the last Presidium meeting several actions were decided. The meeting went through these.

Comments from the discussions can be summarized and as follows;

- a) The Presidium noticed the IT-problems that FGI is struggling with concerning the NKG-web page. Currently, it is only staff within FGI that can update the webpage. We need to find a solution where e.g. the working group chairs and project leaders can update their respective webpages. Since Markku was not present we decided to postpone the discussion to next meeting.



Action: A long term solution concerning the NKG-webpage including possibility for external updating needs to be secured. Markku is asked to report at next Presidium meeting on the developments in finding a suitable solution on the NKG webpage.

- b) Niels presented some ideas on the development of a NKG Strategy based on national strategic plans. He suggested that we at the next meeting should present and discuss national strategies, identify common issues, create a template for NKG Strategy and then establish a NKG Strategy Task Force. At the 55th meeting we should have a presentation of the draft NKG Strategy by the Task Force for a general discussion at the General Assembly. A discussion followed on this proposal. The discussion very much concerned on how we can include the respective home organisations in this work as well as who is the strategy for. We also discussed how NKG can add to the work in the respective country? Norway mentioned that GGOS on a global level has set up some goals and asked if NKG can do something similar. How can we take the GGOS goals into our area and turn them to be part of our goals? Concerns were raised that GGOS and IAG are working on a global level and we need to be more precise in our goals. We also discussed the way forward on when and who should be involved. Should the Presidium present a draft or should the working groups and its members be involved in an early stage? We decided to allocate a large part of the next Presidium meeting to continue the discussion on NKG future. The Baltic countries are important for us and NKG is important for them. Therefore we should include at least their views on the above mentioned issues.

Action: At the next Presidium meeting ask each institution to present their view on the importance of NKG. Based on this information the Presidium should create a common list of value benefits for NKG.

Action: At the next Presidium meeting ask each institution to present the most important strategic goals for the coming years. Based on this information the Presidium should decide on the possibility to create a "NKG Strategy". This could be done on-site at the next Presidium meeting or by creating a Task Force to work on this subject.

Action: Ask the Baltic countries on their view on the importance of NKG as well as their strategic goals for the coming years.

- c) At the work shop on Iceland in March on land uplift models it was decided that a condense outcome/perspectives to should be ready latest at May 1. This was to be done by Jonas Ågren, Mikael Lilje, Markku Poutanen and Per Knudsen with Per as responsible. This action is not completed.
- d) Lars Sjöberg is running a project on the 5 mm-geoid and at the last Presidium meeting it was discussed if this work should continue as a project or become a study instead. Since



last meeting Jonas has discussed this with Lars and decided that the project should continue as a project.

Action: The Presidium acknowledges the decision made by Lars Sjöberg and Jonas Ågren.

Item 5) Brief reports on financial and organising issues at the Nordic National Mapping Authorities (All)

Denmark: Geodatastyrelsen has a new Director General in Kristian Møller since May 2013. According to Lola the finances are OK and the new situation with “free geodata” is very interesting. At DTU, Niels reported about the merging with Professor Klaus Mosegaards group. Klaus M is focussed on Computational Geoscience. This will strengthen DTU with geophysics and mathematics.

Norway: Kartverket reported that the finance for Ny-Ålesund is now in place. This means that 329 mNkr for the coming 5 years are available. The construction of the new road has now started. Concerning the new VLBI antennas it is clear that Kartverket sees two potential candidates to deliver, one is from Europe and one is a non-European. Kartverket is focusing on improving the accuracy for the users when using CPOS. The focus is on the software and especially concerning integrity, ionosphere and troposphere. Kartverket is also starting on the work on a new strategy (focusing on 2025) and it will be ready within 1½ year.

Finland: Jyri mentioned that 4,5 mEuro is in place for Metsähovi and focus currently is on a tender concerning SLR that will be ready by the 10th of June. The upgrade of FinnRef will be ready by end of 2013. The upgraded absolute gravimeter FG-5X has arrived and is already in use. Measurements have been done e.g. in Metsähovi and Mårtsbo. A tender on VLBI is planned to be public by the end of 2013.

Sweden; KTH has approved that there will be a Professor in Geodesy at KTH after Lars Sjöberg. Work is currently underway and the application is supposed to be public during summer time. At Onsala, the location for the Twin Telescope is decided. They are expected to be on site by 2015.

Item 6) Reports from the working groups

a) Geodetic infrastructure (Per)

Per reported on the work shop that was held in March on Iceland. He noticed that there is still more work to be done regarding the action from last Presidium meeting. At the meeting we went through the recommendations again and Per also mentioned that he is currently going through all the presentations from the work shop. The working group has not had any meeting yet.



b) Geodynamics (Dagny)

Dagny mentioned that the working group had a meeting on Iceland. The minutes have not yet been distributed. The Preliminary resolutions from the Land Uplift workshop on Iceland were discussed at the meeting. To be noticed is that Holger Steffen's activity plan was accepted and is part of the Geodynamics Working group.

c) Geoid and height systems (Jonas)

Jonas reported that the working group had a meeting on Iceland and that the preliminary recommendations concerning empirical land uplift modelling from land uplift workshop was discussed at the meeting. The focus is to minimize the needed actions and focus on including new data but using the same method as in NKG 2005LU. The current project plan aims the project to be finalized to the General Assembly 2014.

d) Reference frames, positioning and navigation (Pasi)

Pasi was not present and therefore no report was given.

Item 7) Reports from the projects

At this meeting focus was given at some of the projects.

a) Computation of the NKG2014 geoid model (Jonas)

The discussion concerned that the project has set up a time table that all countries has agreed on, however not much action has happen according to original time table. A new time table has now be decided on and the Presidium meeting agreed on that each presidium member brings this back to its organisation to make sure that the identified persons do get enough time to contribute.

ACTION: Each country to make sure that the project members have enough time for the update of the NKG gravity database as well as construction of the new DEM with 3*3 sec resolution.

b) Review of current and near-future leveling technology (Jonas)

The project leader is Olav Vestøl from Norway. The project is delayed. The time scheduled was modified on Iceland. Sweden has written its contribution, but no other country. All countries now have until January 2014. The project estimates that it would take each country with something like 2 weeks.

ACTION: Finland, Norway and Denmark to make sure that their project members have enough time to fulfil the agreed project missions and time table

c) Absolute Gravity Measurements in Fennoscandia (Dagny). Andreas Engfeldt from Sweden is the project leader. All countries have signed the agreement. Sweden and Denmark has



sent the data according to agreement. Finland and Norway are however still missing. Finland reported that they will contribute during the summer/beginning of the autumn. The situation in Norway is that the responsible institute is UMB. According to Dagny the delivery will be done as soon as they can but there are some issues that they need to clarify. The deadline in the project is set to 1st of September, 2013. A Scientific paper is planned when data is available. Also, Jaakko Mäkinen has planned a presentation at the IAG meeting in September, 2013.

Item 8) Suggestion for joint NKG-NNF seminar (Lola)

Lola has been approached by The Nordic Institute of Navigation (NNF). They are interested in organizing a joint NKG-NNF seminar or workshop on high accuracy GNSS applications together with NKG. With a joint seminar, they notice that we can attract more participants, and the planning work can be spread on more hands. The proposal is submitted by Anna B.O. Jensen, Denmark.

NKG is positive and would like to suggest that the joint seminar should be held in conjunction with the General Assembly in September, 2014. Lola was asked to contact Anna Jensen and NNF.

ACTION: Lola to contact Anna J to thank NNF for the suggestion and ask them to consider organizing the seminar in conjunction with the NKG General Assembly.

Item 9) UN-GGIM and NKG

Per-Erik and Kartverket has been active in the United Nation initiative on Global Geospatial Information Management (UN-GGIM). The next UN-GGIM meeting will take place in July in Cambridge and the Presidium members are asked to discuss with the national contact persons about an upcoming UN Resolution for Geodesy. The resolution will concern the necessity to make sure that there are a number of geodetic core stations globally e.g. Ny-Ålesund, Onsala and Metsähovi.

Item 10) NKG General Assembly 2014 (Mikael and Jan)

The general assembly is suggested to be organised the first week in September next year in Gothenburg. Jan reported that conference rooms are pre-booked. The presidium discussed the need of a scientific committee all countries were asked to send suggestions to Mikael at the latest the 1st of July. It was also asked that the Scientific Committee to have a first meeting before the next presidium meeting. We discussed the need to have a theme to the GA and ask key note speaker(s) to address this. Also it was suggested to have presentations that would address a broader audience than geodesists and that would put geodesy on a broader agenda.



ACTION: All countries to send in names to the Scientific Committee to Mikael no later than 1st of July. Lola to contact Anna J to thank NNF for the suggestion and ask them to consider to organize the seminar in conjunction with the NKG General Assembly.

ACTION: The Science Committee is asked to present suggestion on theme as well as ideas on key note speaker

Item 11) Next meetings of the Presidium

The next meeting of the presidium was decided to be held in Sweden and the dates were decided to 30th of September to 1st of October. Sweden invited the presidium to Gävle and Lantmäteriet.

Norway invited us all to the 55th Presidium Meeting and suggested that it should be held at Ny-Ålesund. Suggested dates are 31st of March to 3rd of April. Per-Erik will report back to the Presidium as soon as possible if this is possible.



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Invited:

Denmark: Niels Andersen, DTU Space (Chair)
Per Knudsen, DTU Space
Lola Bahl, KMS

Finland: Markku Poutanen, FGI
Jarkko Koskinen, FGI
Pasi Häkli, FGI

Iceland: Gudmundur Valsson, LMI
Thorarinn Sigurdsson, LMI

Norway: Torbjørn Nørbech, Kartverket
Per Erik Opseth, Kartverket
Anne Jørgensen, Kartverket
Dagny Lysaker, Kartverket

Sweden: Mikael Lilje, LM (Secretary)
Jan Johansson, Chalmers
Jonas Ågren, LM

Apologies

Finland: Markku Poutanen, FGI
Jarkko Koskinen, FGI
Pasi Häkli, FGI

Iceland: Gudmundur Valsson, LMI
Thorarinn Sigurdsson, LMI