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| Nordic Geodetic Commission |
| **Reporters name:** | Mikael Lilje |
| **Chairman**  | Niels Andersen, DTU Space, Denmark |
| **Members****+ email addresses** | Niels Andersen, DenmarkSøren Fauerholm Christensen, SDFE, DenmarkMarkku Poutanen, NLS, FinlandJarkko Koskinen, NLS, FinlandPasi Häkli, NLS, FinlandPer-Erik Opseth, Kartverket, NorwayTorbjørn Nørbech, Kartverket, NorwayMatthew Simpson, Kartverket, NorwayJan Johansson, Chalmers, SwedenMikael Lilje, Lantmäteriet, SwedenJonas Ågren, Lantmäteriet, SwedenGudmundur Valsson, LMI, IcelandThorarinn Sigurdsson, LMI, Iceland |
| **Purpose of the group** | The NKG works for a strategic framework and for the cooperation in geodesy in the Nordic area and covers issues related common Nordic needs as e.g. post glacial rebound, geoid and height systems, gravimetry and European cooperation around the use of Global Navigation Satellite Systems (GNSS). NKG, established in 1953, is a joint Nordic group on geodesy and it consists of geodesists from primarily NMCAs and Nordic universities. The Baltic countries are also invited to join the working groups. NKG is currently very active, and has a strong project oriented focus. The NKG has during the years coordinated many tasks related to improved and joint geodetic infrastructure in the Nordic area. Some examples are common Nordic geoid model and land uplift model that are widely used in the current Nordic geodetic infrastructure. Also, the development of the GNSS permanent station networks has had important influence from co-operation under the NKG umbrella. NKG analysis centre, computing the Nordic and Northern European GNSS network data, is an essential part of the European GNSS network EPN which is the backbone of the European reference system ETRS89. |
| **Reporting for 2017/2018** |
| **Progress compared to last year*** **Please inform also how the strategic goals of the Nordic Cooperation Strategy have been implemented**
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| The NKG is active though its Presidium, its four working groups including some permanent work tasks, like the NKG GNSS analysis center, as well as the project Dynamic Reference Frame. The NKG works in four-year cycle with the next NKG General Assembly to be held in Finland in September 2018. Autumn schools are organized in mid-term of the GA with topical lectures especially for students and younger researches working in the NKG-participating institutes.The work within NKG includes all six strategic goals. To be able to solve many of our national duties, a closer Nordic cooperation is needed. We share information, observation, competence and work load. Nothing is so good that it cannot be even better and our struggle is always to have enough focus, priority and deliver outputs on time. |
| **Tasks/ activities for 2018-2020** |
| **Deliveries with timeline:** NKG has its General Assembly in September where all working groups will report on their progress. NKG has important deliveries as e.g. a new NKG Geoid Dynamic Reference Frames. The latter was a request made by the Nordic director generals in 2016. NKG has updated the common Nordic gravity database as well as ensured the performance of the agencies analysis centres. NKG has also good cooperation between our geodetic stations (Finland, Norway and Sweden) which all are going through important upgrades. These fundamental stations are response of their host states to the United Nations General Assembly 2015 resolution which urges member states to maintain and develop sustainable geodetic infrastructure for benefit of the mankind. For the period 2018-20 NKG is currently looking into what strategic focus NKG should have, also in order to fulfil the strategic needs of the NMCAs. Work on this is going on and will be reported especially at both Lill-chefsmötet and Stor-chefsmötet**Who is responsible/ chair for the activity and who are involved:**For the new focus for NKG the responsibility lies with the NKG PresidiumFor the working groups the responsibility is as follows;* Working group on Positioning and Navigation: Niels Andersen
* Working group on Geoid and Height: Jonas Ågren
* Working group on Reference Frame: Pasi Häkli
* Working group on Geodynamics: Matthew Simpson
* Project on Dynamic Reference Frame. Per-Erik Opseth

**What strategic goal will the activity support and how:**The work within NKG includes all six strategic goals. To be able to solve many of our national duties, a closer Nordic cooperation is needed. We share information, observation, competence and work load.  |
| **Planned meetings for the next year** |
| **NKG Presidium meets 2-3 times per year****NKG Working groups meets at least annually****NKG General Assembly will be held in September in Helsinki** |
| **Coordination with other working groups** |
| Our coordination is mainly towards other geodetic groups as the International Association of Geodesy (IAG), and especially EUREF, the IAG Reference Frame Sub-Commission for Europe, UNGGIM Subcommittee on Geodesy, UNGGIM Europe GRF |
| Tasks or Consequences for other Nordic WG/Network |
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| Future strategy of the group - 2 years view |
| **Future priorities** | Currently under development.  |
| Anything else you would like to tell? |
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