NIC tasks at the NMCA meeting 27.-29. August 2018

Tasks	Results
NIC collects all WG mandates from the reports as input for the strategic discussions at the Lille chefsmøde 2019 about a potential development of the strategy	An overview of the mandates related to the strategy goals is given below this table
The NIC group will at least once a year make sure that the web contains updated relevant materials.	The web is updated, www.norden.lmi.is and will in the future be updated at least before Lille - and Store chefmøde.
The DGs believe that the relationship with the Nordic Council of Ministers should be enhanced and further explored. The NIC is therefore asked to keep up the dialogue and further explore closer cooperation with the Nordic Council of Ministers. One-step at the time. May consider offering mapping services.	The NIC group has discussed the task. Before contacting the Nordic Council of Ministers again, we would like to have more guidelines on what the NMCA wants to cooperate about, and what we expect to gain from it.
GDPR poses common challenges in the Nordic countries in relation to geospatial data and their classification. The NIC group is asked to come up with a proposal of a way to move forward for exchanging knowledge and challenges in respect of GDPR in the Nordic countries.	The NIC group has facilitated a meeting between the IT-group and the GDPR experts from the organizations. At the meeting they have produced a project suggestion, which now is put forward for approval at this meeting.

Overview of the working group mandates

Working group	Mandate/ purpose	Link to goal
Cadaster	Networking and knowledge sharing for Nordic Cadaster agencies	Goal 1: Needs of society – present end future trends New technology, GPS everywhere, openness of data, demand for more accurate and timely data is in positive way challenging our way of working and delivering quality information Goal 3: Future services and data solutions We are exploring 3D Cadastre, GPS boundraries in our cadaster, openness of data on our platforms and with ELS
Competences and governance	1: Speed up the process of competence sharing and development according to the strategy, and in line with present needs and future trends. 2: Improve management approach to organizational development that reflect the technical and business reality in our society. Discuss competence and governance issues, exchange ideas and areas for further collaboration within the NMCAs	Goal 4: Efficient organizations 1) Productivity, why, how to find the right figures, how to measure 2) Management system, project portfolio, change management – how to integrate Goal 5: Shared Competence 1) Needs in the future 2) Digital competence 3) Performance management 4) Staff exchange – follow up

International services	Sharing experiences, skills, coordination, work routines, and the usage of each other's resources in development projects with beneficiary organisations. Another thing is that the WG gives the Nordic countries a better position towards actors from other countries within this area.	Goal number 1: Needs of society - present needs and future trends: This is something what Kartverket and Lantmäteriet discuss on regular meetings about what is going on in development projects and what common activities, trends and needs there are in future projects in development countries. Goal number 2: Positioning of the NMCAs' role in the future society Shared competence and use of each other's resources to become stronger within International Services is something that the WG International Services work with. Goal number 3: Future services and data solutions Good and actual information sharing with each other's within the WG International Services. Goal number 4: Efficient organizations The idea to have an agreement within the Nordic countries about International Services is crucial to get success within International Services. Goal number 5: Shared competences Formal and informal Meetings within the WG International Services will help to share the competence. Also, a common Mentor Program is a good way to share competence and knowledge. The

		planning of a common Nordic Mentor program for the International Services is going on. Goal number 6: Cooperation in the international arena Common activities within FIG and World Bank conferences.
Landmapping	"The group was asked to consider to what extent the different agencies are acting in the scope of our common Nordic Strategic Goals and especially how to meet the future demands and the scope of the end user perspective. The group should in this context also consider the development of new ways of collecting data, i.e. drones, satellites and international programs i.e. Copernicus and ELF. Also how these developments are to fit into our current organizations. Regarding the end user perspective – it is important that the group puts special effort into analyzing what is going on locally, regionally and internationally and how the mapping authorities must tune their deliverances to meet the future trends from government, companies and individuals."	Goal 1: Needs of society – present end future trends • Report on bioeconomy Goal 2: Positioning of the NMAC´s role in the future society Goal 3: Future services and data solutions A list of activities e.g. Linked data, drones, machine learning, know how as a service, new kinds of sensors collecting data, AI, general webstandards, 3D/4D, maintenance of data models • Nordic geodata strategies Goal 5: Shared competences Goal 6: Cooperation in the international arena • EuroGeographics, ELS project, Copernicus KEN

Land registration	To share figures of 2015 from each participant country and to share knowledge and experience of digitalizing proces	Goal 1: Needs of society – present end future trends Benefitting society and the user is the main approach of all the Nordic countries in the Land registration operations. The trust in the land registration system itself together with stable service time seems to be the customers' basic needs. Future trends identifies are automation, digital authorization and the rising expectations that comes with more transparent processes. Goal 4: Efficient organizations Many countries are currently working on further digitizing and automation of processes within Land registration. We see many examples of digitizing and also of automation of the processes in the Nordic countries. Denmark and Norway are leading the way in these areas and the other Nordic countries are following in their footsteps.

It-development	Strategic collaboration within the IT and development area with the purpose of create a foundation for existing and establishing new digital services. Strategic collaboration within topics such as trends, digitalization, Internet of things, cloud solutions, big data, open data, linked data, information security, strategic architectural and technological issues as well as innovation. Discuss IT governance issues, exchange competence and find areas for collaboration within IT and development in the geoinformation area.	Goal number 3: Future services and data solutions The IT group will produce a report which includes recommendation regarding upcoming technologies: • WFS 3.0 • Linked Open Data / RDF The two sub groups, NOSIN and Standardization will be assigned relevant topics to support the report Goal 5: Shared competences Knowledge exchange will be achieved as an integrated part of this work.
Nosin Open source	1. On behalf of the Executive working group "Development and IT", carry out given relevant tasks and subsequently report back progress and results. 2. To jointly evaluate, develop and configure open source software solutions for national and for INSPIRE spatial data infrastructures in participating countries. 3. Share tech knowledge and experience on SDI´s and form common Nordic viewpoints and strategies on these issues as input to our participation in the INSPIRE MIG workgroups.	Deliver a documented and working pilot on WFS 3.0 and Linked Open Data within November 2019

Standardisation	The mandate of this group is to discuss and participate standardization activities in ISO/TC 211, CEN/TC 287 and OGC, like: • enable a better understanding of the standards by presentations and discussions; • consider where the Nordic countries have joint requirements/needs; • ensure that the business plans of the respective committees align with the Nordic needs; • discuss comments on standards during the process; • consider new work item proposals and the preparation for voting; • discuss e-Government activities in Nordic countries and the impact of standards. This group does not take decisions on comments/vote to international standards; this is the responsibility of each member nation. But discussions among the Nordic countries influences and in some situations aligns national comments and vote, and makes the Nordic countries and the Nordic view more influential at the global scale. This group consists of the NMCA's , standardization organizations and other private companies and public authorities that are engaged in standardization. However, the NMCA's are a major stakeholder.	Deliver a report covering possible usage of WFS 3.0 and Linked Open Data as standardized components within November 2019. The group will hold a one-day workshop in relation to the autumn meeting a subject to be decided at the spring meeting.