

Minutes from Store Chefmøde 2022

Place: Scandic City Hotel in Aarhus, Denmark

Theme: *Climate, Mapping and Digitalization*

Participants:

Pia Dahl Højgaard, Denmark (Chair)

Kristian Møller, Denmark

Olav Eggers, Denmark

Morten Hvidberg, Denmark

Katarina Ritz, Denmark

Per Kolbeck, Denmark

Eva Bøgh, Denmark

Jess Svendsen, Denmark (Secretary)

Sigurð í Jákupstovu, Faroe Islands

Ronnie Thomassen, Faroe Islands

Malene Egeberg Jacobsen, Faroe Islands

Stein Fossá, Faroe Islands

Jeppe Sommer Bruun, Faroe Islands

Petri Korpinen, Finland

Heli Ursin, Finland

Jani Kylmäaho, Finland

Jarkko Koskinen, Finland

John Kamper, Greenland

Gunnar Haukur Kristinsson, Iceland

Susanne Ås Sivborg, Sweden

Mikael Lilje, Sweden

Sofia Stjernlöf, Sweeden

Johnny Welle, Norway

Hannah Cook, Norway

Per Erik Opseth, Norway

Kåre Kyrkjeeide, Norway

Time	Topic	Keynote speaker	Short minutes
Monday 5. September			
19:00	Ice Breaker and light dinner		
Tuesday 6. September			
9:00	Welcome – opening the meeting	Pia Dahl Højgaard	Pia welcomed all participants to the meeting. A short presentation round was made. The proposed agenda was adopted.
9:15	Hot topics in National Organizations	Session Manager: Pia Dahl Højgaard	

	1-2 relevant topical issues, 5 min per organization		
		National Land Survey of Finland: Arvo Kokkonen (Teams)	<p>Topical issues: Change in the security situation, Deterioration of the economic situation, Development of the Residential and Commercial Property Information System (HTJ), Digitalization as a mode of operation, Responsibility as a mode of operation and New premises for Finnish Geospatial Research Institute FGI. Document: Finland_Hot_topics</p> <p>Arvo is retiring and stop as director-general of the National Land Survey of Finland. He thanked current and former kart chefer for a long-standing and close collaboration.</p>
		Danish Agency of supply and infrastructure: Kristian Møller	<p>Topical issues:</p> <ul style="list-style-type: none"> As a part of Denmark's digitization strategy, the agency has been given responsibility for the telecommunication, and at the same time the agency changed its name to the Danish Agency for Data Supply and Infrastructure. As a part of this about 50 new employees are merged into the organization. The strategy and the organization has also been changed. The agency has helped to create a solution where basic data on supply is used to pay out a check to people whose dwellings is heated with gas. <p>Document: None</p>
		The Environment Agency of Faroe Islands: Sigurð í Jákupsstovu	<p>Topical issues: Organization and tasks of Umhvørvisstovan/Faroese Environment Agency, Data and data infrastructure (The foroyakort.fo portal) and activity update. Document: Faroe_Island_Hot_topics</p>
		Asiaq – Greenland: John Kamper	<p>Topical issues: News on Naalakkersuisut (The Government of Greenland), Asiaq organization and strategy, NunaGIS-Kortportal and Asiaq Mapping-issues in focus. Document: Greenland_Asiaq_Hot_topics</p>
		National Land Survey of Iceland: Gunnar Haukur Kristinsson	<p>Topical issues: There will be changes in the institutional organization in Iceland, leading to fewer and larger institutions. This will include National Land Survey of Iceland and is expected to be implemented in 2023. Document: None</p>

		Norwegian Mapping Authority: Johnny Welle	Topical issues: National Geographic Ecosystem, private sector investment in a common digital infrastructure and arctic SDI. Document: Norway_Hot_topics
		Lantmäteriet, Sweden: Susanne Ås Sivborg	Topical issues: Government initiatives and activities to build the “Total Defence” organisation in Sweden. Lantmäteriet will be one out of 60 so called “Civil Contingency Authorities/Agencies” (Beredskaps-myndigheter in Swedish); Increasing the awareness of the increased cyber security threats; Investigating how Lantmäteriet can contribute in a more effective and better way to the work of the police and other authorities more directly involved in the fight against organised criminality; Continued development within cadastre services; Strong need and focus on Development and IT; How to find economy and finances resources for all activities and changes needed; More homeworking creates new opportunities for work office areas (Pilot just launched in Gävle). Document: Sweden_Hot_topics
		Danish Agency of Geodata: Jess Svendsen	Topical issues: Finishing the Basic Data Program (Building on leased parcels) and changes in the cadastral activities past covid19, war in Ukraine, inflation and interest are going up. Document: Denmark_Hot_topics
10:15	Break		
10:45	<p>Reports from WGs</p> <ul style="list-style-type: none"> • Cadaster WG (Jess Svendsen) • Land Registration WG (Jess Svendsen) • It & Development WG (Jess Svendsen) • Land Mapping WG, including ad hoc group D 	Session Manager: Pia Dahl Højgaard	<p>Jess gave a short summary from the report from the following working groups: Cadaster, Land Registration and It & Development. Document: Reports_WGs</p> <p>The Plenum took note of the reports</p> <p>Jani gave a short summery from the Land Registration WG Document: Report_WG_Land_Mapping_3D</p>

	<p>3D building models – level of detail and value proposition – input to Norway (Jani Kylmäaho)</p>		<p>The Plenum took note of the report</p> <p>Jani presented observations on Nordic collaboration from the Land Mapping Working Group and the ad hoc group D 3D building models.</p> <p>Issues:</p> <ul style="list-style-type: none"> • Lack of common digital workspace: Digital workspace is essential for continuous and successful collaboration • Participation: We need both director and expert level participation – for different purposes and on different forums • Unclear about reporting arrangements: Clear advisory on what, when and how to report, with clearly assigned responsibilities <p>Positives:</p> <ul style="list-style-type: none"> • Meaningful work: The work done is fruitful and results are produced • Qualified people: Participating experts and directors are knowledgeable. • Knowledge exchange: A major aspect of all Nordic collaboration. Current topics and new ideas. <p>Document: Ad_hoc_D_Land_Mapping_3D</p> <p>The paper from ad hoc group D was discussed in plenary. There were views on, among other things, the following: What is in the common interest and what provides value for the individual organization. Data is free in some countries but not in others. There are different models of cooperation in each country and there is not one model that fits all.</p> <p>Guidance from Director Generals:</p> <p>DGs endorsed the proposals from ad hoc group D with the following remarks:</p> <ul style="list-style-type: none"> • Continue as proposed by the ad-hoc WG • Include work on value proposition / benefits for society • Focus on how to gain further knowledge for common benefit • Deliveries by Lille chefmøde 2023: A ppt presentation with what has been discussed, learned, achieved, including lessons learned from this process of getting input from Nordic peers
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<p>11:15</p>	<p>Reports from the ad hoc groups</p> <p>A. Governance for Nordic cooperation – 30 minutes (Mikael Lilje)</p>	<p>Session Manager: Pia Dahl Højgaard</p>	<p>Mikael presented the result of the challenge ad hoc group A (NIC):</p> <ul style="list-style-type: none"> • Summary of the interviews with the working Groups • Issues to fix • Benefits to enhance • Proposals for changes: Common platform for exchange of information, term of references and onboarding/follow-up package • Questions to discuss – Governance and ambitions <p>Document: Ad_hoc_A_Governance</p> <p>The paper from ad hoc group A was discussed in plenary. There were views on, among other things, the following: It's important to be clear about the gain and that the members and the organizations get value of the work. Networking and knowledge sharing are very rewarding. Reporting to lille and store chefmøde must not become too bureaucratic. NIC members have a duty to inform their directors prior to the meetings.</p> <p>Guidance from Director Generals:</p> <p>DGs endorsed the proposals from ad hoc group A with the following remarks:</p> <ul style="list-style-type: none"> • It & development group get the task to set up a common platform using Confluence • From now on there are only two levels of cooperation: networks (NW) and ad-hoc WGs • The present WGs become NWs • NWs don't have terms of references and don't have to report for store chefmøde on findings during the last year and planned themes for coming year. NIC can request reports and topics for discussions • NWs must have a chair + incoming chair of own choice + NIC keeps list of NWs members • NIC is our secretariat for cooperation • Deliveries by Lille chefmøde 2023: A ppt presentation with Report on implemented actions – based on the ad-hoc WG's.
	<p>B. Cyber threats in relation to positioning</p>		<p>Per presented the result of the challenges to the ad hoc group B:</p> <ul style="list-style-type: none"> • Outline of the risks focusing on the future risks (and future GNSS based services)

	<p>services and related infrastructure – 20 minutes (Per Erik Opseth)</p>		<p>Document: Ad_hoc_B_Cyber_threats_to_positioning_services</p> <p>The paper from ad hoc group B was discussed in plenary. There were views on, among other things, the following: The topics seems relevant for most – however, how do we ensure that we do not go for least common but find the topics where we can learn from each other and together. Need to look into value proposition/business case.</p> <p>Guidance from Director Generals: DGs endorsed the proposals from ad hoc group C with the following remarks:</p> <ul style="list-style-type: none"> • Proposal from ad-hoc WG accepted • WG to also look into quantity/statistics of threats • WG to also look into potentials and benefit for society • Deliveries by Lille chefmøde 2023: A ppt presentation with Catalogue of possible mitigation actions in answer to the risks and Evaluation of potentials and barriers/costs
	<p>C. Land Registration – input and guidance for Faroe Islands – 15 minutes (Sigurð í Jákupsstovu/Malene Jacobsen)</p>		<p>Malene presented the result of the challenges to the ad hoc group C:</p> <ul style="list-style-type: none"> • preliminary outline of questions and topics to explore • plan for who to consult and exchange experiences • timeline for further activities <p>Document: Ad_hoc_C_Land_Registration</p> <p>The paper from ad hoc group C was discussed in plenary. There were views on, among other things, the following: There is support for the work of the group to be resumed. Organization and purpose must be clarified. The members of the group must help define the tasks.</p> <p>Guidance from Director Generals: DGs endorsed the proposals from ad hoc group C with the following remarks:</p> <ul style="list-style-type: none"> • Continue as a Land Registration Network – focus on exchange of experiences as proposed

			<ul style="list-style-type: none"> Deliveries by Lille chefmøde 2023: A ppt presentation with what has been discussed, learned, achieved, and lessons learned from this process of getting input from Nordic peers
12:25	Lunch		
13:10	<p>TAPAS – high accuracy positioning</p> <p>Presentation of the project by SDFI (Per Kolbeck Nielsen) – 30 minutes</p> <p>Short presentation from NLS FI about FinPOS (Jarkko Koskinen)</p> <p>Short presentation from Lantmäteriet about SWEPOS (Mikael Lilje)</p> <p>Discussions of the theme – 20 minutes</p>	<p>Session Manager: Kristian Møller</p>	<p>Kristian gave a short introduction to the topic</p> <p>Per presented TAPAS. It's a platform with a high technological reference infrastructure located in Aarhus, Denmark, that improves the quality of satellite signals, with the purpose of it being possible to find your exact location on 1 cm level in Aarhus city and harbor, when you are in motion, too.</p> <p>Document: Denmark_TAPAS</p> <p>Jarkko presented FINNREF, the fundamental network of the national reference frame in Finland, and FINPOS the realtime GNSS positioning of NLS.</p> <p>Document: Finland_FINREF_FINPOS</p> <p>Mikael presented Mass market applications and SWEPOS – overview of test projects.</p> <p>Document: Sweden_SWEPOS_GNSS_network</p> <p><u>The presentations were discussed in plenary:</u></p> <p>In Norway the situation is the same as in Sweden. Starting an EU-project with driverless cars.</p> <p>In Iceland a system is established free for public use and a project including farmers is started.</p> <p>Norway proposed cooperation as many of the private actors are the same.</p> <p>Finland found operational cooperation difficult as data are not free.</p> <p>Denmark pointed out that the prerequisites are different between the Nordic countries.</p> <p>In Denmark, it will be a question of what accuracy society needs about what to expect society to pay for. Society must be expected to pay for the basic accuracy.</p>
14:25	Break		

14:55	Excursion – the harbor of Aarhus Application of TAPAS by Bo Fristed from Aarhus Municipality – 30 min Demo by Mads Bendt – 20 min		
16:10	Walk to ARoS		
16:30	Conducted tour on ARoS		
19:00	Dinner at syvni13		
Wednesday 7. September			
8:00	Meeting of the Director Generals		Pias presentation for discussion at the meeting: Document: DG guidance on Challenges in Nordic cooperation 2022-2023 DGs recommendations for ad hoc groups A - D are referenced under the individual points.
9:00	Internationals Questions Status report of EuroGeographics by Management Board member (Kristian Møller) Discussions 20 minutes	Session manager: Kristian Møller	Kristian gave a status report of EuroGeographics. There has been no board-meeting since the General Assembly was held from 15 to 17 May 2022 in Sarajevo. Focus on open data and to get EU founding for Open Maps for Europe (OME2). EuroGeographics Board will soon hold a strategy seminar - input can be directed to Kristian. Document: None
9:20	Follow up on UNGGIM by Lantmäteriet (Susanne Ås Sivborg/Mikael Lilje) Discussion 30 minutes		Susanne gave a status report of UNGGIM. She asked the plenary 2 questions to be answered after the presentation: 1. How can we, as individual member states but also with a strong Nordic cooperation, support the UN budget process?

			<p>2. UN-GGIM has introduced a new topic on Future Geospatial Ecosystem. Written inputs expected by end of October. How can the Nordic community support and share ideas and thoughts to prepare our respective inputs? Document: Sweden_UN-GGIM</p> <p><u>Discussion in plenary:</u> Question 1: DK, NO, SE and FL are already active and involved in the process through their missions. Iceland must take contact with one of these countries in order to gain influence. NO found it hard to find funding. NO has assisted in 4 countries, including Georgia SE stressed the importance of supporting the Secretariat.</p> <p>Question 2: DK pointed that we as nation states already are supporting. Land Mapping ad hoc group will discuss how the Nordic community can support and share ideas and thoughts. Olav will coordinate it.</p> <p>NO indicated that it would take over the chair of the Arctic SDI when Norway takes over as chair of the Arctic Council in May 2023. They will reach out to DG before the Nordic countries short meeting in November. The arctic cooperation will continue without Russia.</p>
9:50	Break		
10:40	<p>Climate adaptation</p> <p>Presentation of Portal of water management and climate adaptation by SDFI (Eva Bøgh) - 30 minutes</p> <p>Experiences from Statens Kartverk, Norway – 15 minutes (Johnny Welle)</p>	<p>Session Manager: Susanne Ås Sivborg</p>	<p>Introduction by Susanne. Document: Sweden_Climate_adaption</p> <p>Eva presented new portal which provides data foundation for water management and climate adaptation in Denmark Document: Denmark_Climate_adaptation</p> <p><u>Discussion in plenary:</u> There are approximately 1 million calls per month to the database. Data in the groundwater database is free data. In Denmark, groundwater data are not considered</p>

	<p>Discussion of the theme – 15 minutes</p> <p>(Experiences from other countries)</p>		<p>sensitive data. The collaboration on ground water shows that the infrastructure built around basic data can be used in other domains.</p> <p>Johnny presented Climate adaptation - Challenges and experiences from a Norwegian perspective. Document: Norway_Climate_adaption</p> <p><u>Discussion in plenary:</u> In Norway, there is a focus on collaboration with the private sector and how data is used in the municipalities. Kartverket sees good opportunities for the private sector.</p> <p><u>Experiences from other countries:</u> In Finland, the National Resources Agency is responsible for climate data. However, the need arises for more frequent updating of geographical data. In Iceland the focus on climate data is growing. On the Faroe Island they are not so far yet.</p>
11:50	Lunch		
12:35	<p>The expanding role of data-ecosystems</p> <p>Climate mitigation & Utilities: – “The Utility Data Program” by SDFI 25 minutes (Kristian Møller)</p> <p>Eco-systems: – Location Innovation HUB LIH by NLS FI 25 minutes (Jarkko Koskinen)</p> <p>Discussions of the theme – 15 minutes</p>	<p>Session Manager: Johnny Welle/Per Erik Opseth</p>	<p>Introduction by Johnny</p> <p>Kristian presented The Danish Utility Data Programme Document: Denmark_Utility_Data_Program</p> <p><u>Discussion:</u> The Danish utility Data Programme is a platform that can be used on other domains, ex. Basic Data Platform, Geo Spatial Platform, as it builds on three levels: (1) data foundation, (2) data cohesion and (3) digital solutions. SDFI wants to be seen as a partner in data exhibition, and want to support a close cooperation between data owners and data users.</p> <p>Jarkko presented Location Innovation Hub LIH - European Digital Innovation Hub candidate Document: Finland_LIH</p>

			<p><u>Discussion:</u></p> <p>It was discussed how to cooperate with the private sector. In Norway, the private sector has a great interest in the use of public data and there is an opportunity for the private sector to help improve the quality of public data.</p> <p>Basic data in Denmark are authoritative data that the private sector cannot change. The authorities must have control over their data, but would like to have feedback on data quality etc. from the private sector.</p> <p>It is fundamentally an ethical and political dilemma.</p>
13:40	Next year's meeting (Pia Dahl Højgaard and John Kamper)		<p>Greenland organizes next year's Lille Chefmøde and Store Chefmøde. Denmark has offered to assist with the administrative tasks of the NIC in the preparation and implementation of the next Store Chefmøde.</p> <p>Dates for next virtuel Lille Chefmøde - VTC date to be decided</p> <p>Dates for next Store Chefmøde: week 35 (28/9-1/9) (alternatively week 39 (25-29/9))</p> <p>John will confirm dates asap.</p>
14:00	End of the meeting		