Report of the Baltic Sea and North Sea Marine Spatial Data Infrastructures Working Group (BS-NSMSDIWG)



BALTIC SEA HYDROGRAPHIC COMMISSION



NORTH SEA Hydrographic Commission

Baltic Sea- North Sea Marine Spatial Data Infrastructures Working Group Workshop

Denmark 3 – 4 July 2018

The overall aim of the workshop was to create a common MSDI framework and to evaluate the BS-NS MSDI work plan for the Baltic Sea which focus on how the BSHC and NSHC can benefit from a regional approach to MSDI and to have a status on the different action items and agree how to proceed.

Theme	Subject	Responsible action item
Task 1. Work item: Common understanding	 Establish a framework for common understanding of MSDI The opportunities and challenges from a national and regional MS perspective Definition of HO role in MSDI 	1
Task 2. Work item: Liaison with external projects	 Identify relevant use cases for MSDI Analyse the user need for relevant HO data set 	2,3,4,5,6,7,8,9
Task 3. Work item: S 100	 Conduct a study on S-102 from a MSDI perspective (Non navigation) Evaluate on how to promote S-100 in the Baltic and North Sea 	10,11,12
Task 4. Work item: INSPIRE	 Study on IHO standard S 57 in relation to INSPIRE The difference between S 57 and S 100 Identify the challenges with S-102 on interoperability with INSPIRE 	13,14,15
Task 5. Work item: Hydrographic data and legal aspect	- Study on status on implementation and responsibility with relevance to MSDI in the Baltic and North Sea countries	16
Task 6. Work item: Pilot projects/demonstration	 Study on the possibility to establish BS-NSMSDI WEB pages Demonstration project WEB GIS demonstrator with BS-NS HO datasets 	17,18,19,20, 21



Actions/tasks for the BSHC meeting:

- Investigate the possibility to arrange a MSDI workshop for the North Sea and Baltic Sea Council. (Chair and Norway)
- If possible to arrange a MSDI workshop for the North Sea and Baltic Council. (Chair and Norway)
- To establish and conduct a survey about MSDI and MSP for the NS and BS MS about implementation, status and maturity. (Denmark)
- To investigate the possibility to establish a pilot project with the focus on availability/distribution of different S-100 datasets for other users. (Germany and Denmark)

Action items:

- To investigate the work on non vector AML and provide a paper to the next BS-NSMSDIWG (Netherlands)
- To establish a discussion paper on the basic MSDI principle (Norway)
- To create a discussion paper/presentation about data models from a MSDI perspective with regards to IHO, MSP and INSPIRE, S-57 and S-100 and the need for harmonization (Germany and Norway)
- The Netherlands to produce a inf. paper about Maritime spatial planning supported by infrastructure for spatial information in Europe (INSPIRE) and circulate it to the NS-BSMSDIWG for comments. After circulation it should be forwarded to EU-IHONWG
- Norway to produce a inf. paper on data quality and circulate it to the NS-BSMSDIWG for comments. After circulation it should be forwarded to EU-IHONWG



No.	MSDI Meeting/ Work Task	Action	Responsible	Deadline	Status -Permanent -Done -Pending -Awaits
14	2/2015 WT 4	Conduct a study from a technical approach to the INSPIRE elevation product specification.	Finland Norway	MSDIWG7	Ongoing
16	2/2015 WT 5	Investigate status on implementation and legal aspects of MSDI.	Denmark	MSDIWG7	Ongoing
20	2/2015 WT 6	To consider to initiate a study on how MS should/could present their services and data, including a BS and NS basic MSDI architecture	Finland Sweden	MSDIWG7	Ongoing
23	1/2016	To prepare a presentation about S-100.	Germany	MSDIWG7	Ongoing
24	1/2016	Investigate if the BS-NSMSDIWG should approach/deal with EMODnet in the future e.g. the possibility to invite EMODnet to a MSDIWG meeting	Norway	MSDIWG7	Moved to 47
27	1/2016	Investigate how to participate in the INSPIRE work with relation to hydrographic data	Norway	MSDIWG7	Moved to 48
28	1/2016	To investigate the different MSP initiatives and stakeholders in the North Sea with relevant to MSDI	Denmark	MSDIWG7	Ongoing
35	1/2016	To invite HELCOM and VASAB to the next BS-NSMSDIWG and to invite other relevant organisations e.g. North See, OSPAR, EURO GOOS, INSPIRE	Chair	MSDIWG7	Ongoing
36	1/2016	Poland to investigate if they can host the next MSDIWG7 meeting,	Poland	MSDIWG6	Done
39	1/2018	To investigate the possibility to arrange a MSDI workshop for the North Sea - and Baltic Sea Council. If approved. To arrange a MSDI workshop for the North Sea and Baltic Council.	Chair/Norway	MSDIWG7	Ongoing
40	1/2018	To establish and conduct a survey about MSDI and MSP for the NS and BS MS about implementation, status and maturity.	Denmark	MSDIWG7	Ongoing
41	1/2018	To investigate the possibility to establish a pilot project with the focus on availability/distribution of different S-100 datasets.	Germany and Denmark	MSDIWG7	Ongoing
42	1/2018	To investigate the work on non-vector AML and provide a paper to the next BS- NSMSDIWG	Netherlands	MSDIWG7	Ongoing
43	1/2018	To create a discussion paper/presentation about process data models from a MSDI perspective with regards to IHO, MSP and INSPIRE, S-57 and S-100 and the need for harmonization	Germany	MSDIWG7	Ongoing



Next meetings planned

The next meeting no 7 of the BS-NSMSDIWG is planned to take place in Poland at the Polish Hydrographic Offices in 2019 April or May.

All MS from BSHC and NSHC will be invited to participate in the meeting. It is planned to have a 3 day long MSDI work shop and to invite other relevant stakeholders and organizations e.g. North See, OSPAR, EURO GOOS, INSPIRE, HELCOM, VASAB to participate in a one day MSDI workshop.







The IHO - MARINE SPATIAL DATA INFRASTRUCTURE value chain IHO \rightarrow IRCC \checkmark MSDIWG RHC (BSHC, NSHC, ARHC) \checkmark BS-NSMSDIWG Arctic MSDIWG

