

**Baltic Sea – North Sea Marine Spatial Data Infrastructure
Working Group Workshop No 4 in Helsinki November 16-18, 2015**

Dear all, We have the privileged to invite the BSHC MS and NSHC MS to the BS-NSMSDI Working Group Workshop 4.

The overall aim of the workshop is to create a common MSDI framework and work with the items in MSDI work plan for the Baltic Sea which focuses on how the BSHC can benefit from a regional approach to MSDI.

Below are some practical details. In **Appendix A**, you will find the a draft Workshop schedule; **Appendix B** is the BS MSDI WG work plan; **Appendix C** is Terms of Reference for the Baltic Sea North Sea Marine Spatial Data Infrastructure (MSDI) Working Group (BS-NSMSDIWG).

The three-day Baltic MSDI Workshop 4 will be held in Helsinki on November **16 -18, 2015**. The workshop will start at 10:00 on, Monday November, 16 and will end on Wednesday, 18, at 15:00, and will take place at the Finnish Transport Agency (FTA) and we have reserved room Tunneli (tunnel) 7 th floor for 3 days.

Below you can find the FTA address.

http://portal.liikennevirasto.fi/sivu/www/e/fta/contact_information

Day 1 of the Workshop is intended to be a general presentation from IHO MSDIWG, BSHC, NSHC, national presentation from members on SDI, MSDI, MSP and INSPIRE.

Day 2 and 3 of the workshop is intended to focus on the work programme, status planed actions and way ahead.

This will help us to address how the BSHC and NSHC can benefit from a regional approach to MSDI in the future and especially to follow and fulfil the work plan for the BS-NSMSDIWG.

If you need a hotel and you like to stay close to FTA the hotel to choose is Hotel Holiday Inn Exhibition and Convention Centre which is located about 400 meters from FTA.

<http://www.ihg.com/holidayinn/hotels/gb/en/helsinki/helcc/hoteldetail>

In order to plan and arrange the workshop, please send the names of participants **no later than Thursday November 5, 2015 to Juha Tiihonen** at Juha.Tiihonen@liikennevirasto.fi and Jens Peter Hartmann at jepha@gst.dk.

If you have any items you want to add or questions regarding the above and below, please do not hesitate to contact us.

Best regards,
Jens Peter Hartmann
BS-NSMSDIWG Chair
The Danish Geodata Agency, Denmark

**Draft Workshop Schedule day one
BS MSDIWG4**

Day One: November 16, 2015

Theme	Time	Subject	Responsible
Welcome	1100 - 1110	Welcome, introduction of participants and practical information	Host/Chair
Status	1110 - 1125	Introductions to the MSDI Workshop 4 – what is the aim of the workshop and the meeting, and what do we want to achieve? (Draft to be forwarded before the workshop)	Chair
	1125 - 1200	The MSDI work of IHO (IHO MSDIWG) status (Review of the work plan circulated and responses to it)	Chair
Lunch	1230 - 1315		
Presentations	1315 - 1415	National presentation from members on status on SDI, MSDI and INSPIRE (Key successes and challenges on a country by country basis)	All
Break	1445 - 1500		
Presentations	1500 - 1530	National presentation from members on status on SDI, MSDI and INSPIRE	All
	1530 - 1630	National status on the directive of the European Parliament and of the Council establishing a framework for maritime spatial planning and integrated coastal management	All
	1630 - 1645	Discussion from a regional perspective	All
Status and how to proceed	1645 - 1655	Summing up the challenges for the future	Chair
	1655 - 1700	Evaluation and preparations for the second day	Chair

**Draft Workshop Schedule Day Two
BS MSDIWG4**

Day Two: November 17, 2015

Theme	Time	Subject	Responsible
Welcome	0900 - 0910	Welcome and the conclusions from Day One	Host/chair
Status	0920 - 1020	The work of VASAP/HELCOM data expert group	Chair
		Terms of reference for the BS-NSMSDI WG (see below)	Chair/All
Break	1020 - 1035		
Presentations	1035 - 1230	BS-NSMSDI WG Work plan- What are the outputs waited for each task? Topics for discussion: Task 1: A review of C-17 (part 2.1 related to the role of HO in MSDI) as well as a chapter dealing with on the status of MSDI in the Baltic and North Sea countries e.g. a report "MSDI in the Baltic and North Sea countries" Task 2: A chapter in the report "MSDI in the Baltic and North Sea countries" listing the projects relevant for BS-NSMSDI with the web links and explanation why each project is relevant to BSMSDI Task 3: Tbd (chapter in the report "MSDI in the Baltic and North Sea countries"?) Task 4: The output may be a report dedicated to the standards (S57, S100, OGC, ...) of interest for MSDI with a focus on INSPIRE --> Ellen provided a very interesting presentation about standards in BSMSDI3 which could be used as a base material for this report and there are also material in the UN-CGIM report "A Guide to the Role of Standards in Geospatial Information Management" Task 5: the output may be a review of C-17 (to be submitted to MSDIWG) Task 6: the output may be a demonstrator with BSHC web page	All
		Setting goals for this meeting's results. Topics for discussion, the various outputs could be: - proposal for revision of C-17 (through tasks 1 and 5) - a report "MSDI in the Baltic countries: status and relevant projects" (trough tasks 1 and 2 and maybe 3), - a report "Which standards for MSDI? Focus on INSPIRE" (task 4) - demonstrator and web page (task 6)	All
Lunch	1230 - 1315		
Work plan	1315 - 1500	Work plan - working on the tasks defined in the work plan	All

Break	1500 - 1515		
Work plan	1515 - 1555	Work plan - working on the tasks defined in the work plan	All
Closing	1700	Closing of day two	Chair

**Draft Workshop Schedule Day Three
BS MSDIWG4**

Day Three: November 18, 2015

Theme	Time	Subject	Responsible
Welcome	0900 - 0910	Welcome and the conclusions from Day Two	Host/chair
Work plan	0920 - 1020	Work plan - working on the tasks defined in the work plan	All
Break	1020 - 1035		
Work plan	1035 - 1230	Work plan - working on the tasks defined in the work plan	All
Lunch	1230 - 1315		
Evaluating	1315 - 1500	Evaluation	All
		How to proceed	All
		Update of work plan and action list	All
Next meeting		Next meeting	Chair
		Any other business	Chair
Closing of the workshop	1500		

Appendix B

Work plan for BS-NSMSDIWG 2015-2020

Theme	Subject	Responsible
Task 1. Work item: Hydrographic data and legal aspects	- Definition of HO role in MSDI - Study on status on implementation and responsibility with relevance to MSDI in the Baltic countries	Denmark
Task 2. Work item: Liaison with external projects	- Scanning of projects relevant for BSMSDI	Germany
Task 3. Work item: S 100	- Conduct S 100 pilot project - Evaluate on how to promote S 100 in the Baltic	Germany
Task 4. Work item INSPIRE	- Study on IHO standard S 57 in relation to INSPIRE - The difference between S 57 and S 100	Netherland/ France
Task 5. Work item: Common understanding	- Establish a framework for common understanding of MSDI	Denmark/ Finland
Task 6. Work item: Pilot projects/demonstration	- Study on the possibility to establish a BSMSDI WEB page - Demonstration project S100 - WEB GIS demonstrator with BS HO datasets	Denmark Germany Denmark

Appendix C

Participants in the BS-NSMSDI WG:

MS	Participants:	
Denmark	Tom Weber Jens Peter Hartmann	tw@gst.dk jepha@gst.dk
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Poland	Marcin Banaszak	
Russian Federation	?	
Holland	Ellen Vos	EM.Vos@mindef.nl
France	Stephanie Vrac	svrac@shom.fr
UKHO	Edward Hosken	Edward.Hosken@UKHO.gov.uk

Terms of Reference for the Baltic Sea and North Sea Marine Spatial Data Infrastructure (MSDI) Working Group (BS-NSMSDIWG)

(Approved by the BSHC 15th Conference 21 - 23 September 2010)

(Adjusted by the BSHC 20th Conference 16 – 18 September 2015)

With referencing to

- IHO Resolution 5 - 2009 on MSDI policy, adopted by the 4th Extraordinary International Hydrographic Conference in June 2009
- 1st HSSC Meeting (Singapore, October 2009)
- Marine Spatial Data Infrastructure Working Group (MSDIWG)
- Guidance for Hydrographic Offices IHO Publication C-17 - Edition 1.0
- EU INSPIRE Directive and respective national contributions of the MS

The BSHC at its 15th Conference recognised the need to initiate a study of MSDI in the Baltic Sea in order to identify areas where maritime SDI implementation is underway and where problems can be foreseen and how the Baltic member states see the future development of MSDI in the region.

The BSHC at its 20th Conference approved a request from NSHC to expand the BSMSDIWG to also include the NSHC in a dual MSDI WG.

Therefore the BSHC 20th Conference approved to expand the BSMSDIWG to the BS-NSMSDIWG with the task to study MSDI in the Baltic Sea and the North Sea.

The Working Group should:

- Identify and analyse the current status of individual MS MSDI implementation.
- Consider MSDI policies within the related international project e.g. e-navigation, ICZM, INSPIRE, MSP, EU Integrated Maritime Strategy, the Marine Strategy Framework and EU Strategy for the Baltic Sea Region.
- Analyse how maritime authorities can contribute their spatial information and the necessary updates, so information can easily be collated with other information to a current overall picture for the region.
- Focus on how BSHC in the future can benefit from a regional approach.
- Monitor the development of SDI that could be relevant for the Baltic Sea.
- To present a yearly report to the BSHC and a report to NSHC every second year at their meeting. This report should include a description on the current status, recommendations on how to proceed with the MSDI implementation and if deemed necessary an action plan with specified time schedule for future BSHC and-NSHCMSDI actions.

Rules of procedures:

- All BSHC and NSHC Members and Associate Members are encouraged to participate to the BS-NSMSDIWG and to contribute to the work of the BS-NSMSDIWG.
- The BS-NSMSDIWG should be chaired by one of the Member States elected by the BSHC and NSHC MS.
- The BS-NSMSDIWG should work as far as possible in accordance with existing guidelines and recommendations issued by the IHO, IMO and EU.
- The BS-NSMSDIWG should consult Task Groups, Committees and Working Groups or other relevant bodies, as deemed necessary.
- The BS-NSMSDIWG should inform relevant RHC's with the aim to coordinate within the other regions as far as possible.
- The work of the BS-NSMSDIWG will be carried out primarily by correspondence (via e-mails). The members are encouraged to reply without unnecessary delay.
- The BS-NSMSDIWG Chair can on request coordinate BSHC and NSHC MS views on MSDI topics and present them at the IHO MSDIWG