Baltic Sea Marine Spatial Data Infrastructure Working Group Workshop No 3 in Rostock

January 20-22, 2015

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

Day 1of the Workshop was a general presentation from IHO MSDIWG, national presentation from national HO on status about SDI, MSDI, MSP and INSPIRE.

Day 2 and 3 of the workshop focused on the established work programme, status planed actions and way ahead. At the meeting the work plan was revised in accordance with the discussions during day 2 and 3.

Below are some notes from the meeting, the draft new work plan and the list of participants.

Day 1 notes
Themes
- Data sets vs products
- Navigation (SOLAS) vs non-navigation
- Official vs unofficial
- HO vs private companies
- Centralized data store vs distributed (held by originator/owner)
- Bathy data for SOLAS is usually shoal biased and thus unsuitable for other uses (eg dredging, engineering)
- EMODnet in conflict with INSPIRE as it aims to hold data centrally.
- HOs as data users as well as data suppliers
- IHO link to UN-GGIM is valuable, but not widely acknowledged
- IHO link to European Commission, but not widely acknowledged

Potential actions
- Challenge industry participation in MSDIWG to allow HOs (IHO) to focus on justifying their in involvement.
    (Problem is that due to resource constraints HOs happy to let industry take the lead. Lack of HO resource may be indicative of justification for HO driven MSDI.)
- Create outline of how the role of an HO could change in the future due to MSDI and e-navigation. Provide different scenarios and financial models.
- Develop example business case for regional MSDI (benefits, costs, risk mitigation, business stimulation, savings, etc)
    Action: (DK to provide template based on DK National business case)
- Define relevant use cases to demonstrate benefits of national/regional MSDI
- Create Baltic Sea (North Sea) web portal as source of information on MSDI developments (pilot studies), main players, data sources etc. Not actual data, but links to sources.

Day 2 notes
Themes
- Use of unofficial data (eg by pilots – provided by ports but not in agreement with official ENCs) – which has authority?

- Maritime Spatial Planning – (EU directive issued July 2014), places requirements on nations to use best available data.
- HOs don't understand their obligations and opportunities to contribute to MSP
- INSPIRE Roadmap requires provision of data conformant with interoperability principles
- Mapping required of INSPIRE requirements to S-100.
- IHO considers EMODnet to be the best driver for Marine Knowledge 2020

Potential actions
- MSDIWG to produce conceptual model of MSDI for OGC
- Review OGC, ISO, IHO standards and INSPIRE and identify their relevance to MSDI
- List MSP themes where HOs can take a role
- **Task 1** – questionnaire to Baltic Sea and North Sea MS to determine current status of their position on INSPIRE and MSP
- **Task 2** – invite representatives/stakeholders from Helcom, EMODnet, SeaDataNet, Coastal Mapping, INSPIRE to open forum to BSMSDIWG meeting
- **Task 3** – produce a draft of aims of a testbed (e.g What to test, what questions to answer, project description)

Day 3 notes
Themes
- Is INSPIRE relevant to MSDI?
- Many meanings of INSPIRE (meta data, semantic, technology, delivery)
- What is the definition of MSDI (Russian dolls e.g. – (i) SOLAS; (ii) non-SOLAS navigation; (iii) Non-navigation hydro (MSDI); (iv) national SDI (beyond marine); (v) regional SDI (data sharing - INSPIRE);

Potential actions
- Questionnaire on current status of each nation's approach to INSPIRE
- Clarify INSPIRE requirements from HO perspective
- Baltic Sea MSDI information page on web site
- Demonstrator

Draft work plan for BSMSDIWG 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

Participants in the BSMSDI WG3 meeting:

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