Baltic Sea – North Sea Marine Spatial Data Infrastructure WG

(BS-NSMSDIWG)

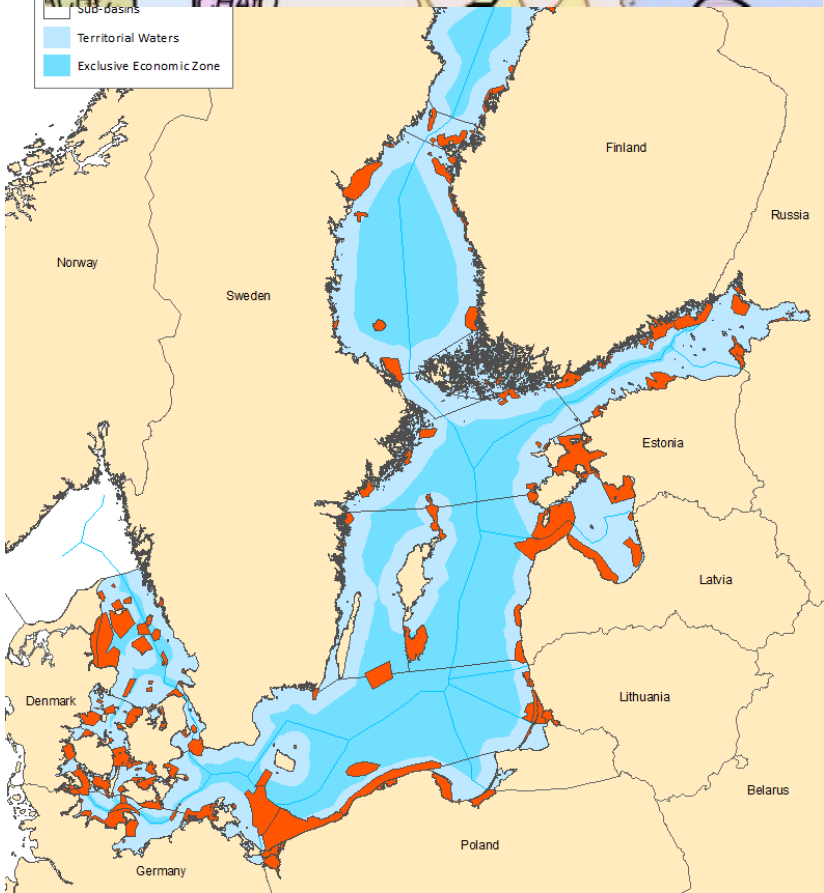
BALTIC SEA HYDROGRAPHIC COMMISSION

NS HC

NORTH SEA HYDROGRAPHIC COMMISSION

The Baltic Sea and North Sea MSDI Working Group should:

- **Identify and analyse** the current status of individual MS MSDI implementation
- **Consider MSDI policies** within the related international project
- **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 and NSHC in the future can benefit from a regional approach**
- Monitoring MSDI and marine- related initiatives, as well as more general geospatial developments with relevance for the Baltic Sea.



Danish Geodata Agency

Maritime spatial planning

Article 6
Minimum requirements for maritime spatial planning

Member States shall establish procedural steps to contribute to the objectives listed in Article 5, taking into account relevant activities and uses in marine waters:

(e) **Organise the use of the best available data** in accordance with **Article 10**.

(f) **Ensure trans-boundary cooperation** between Member States in accordance with **Article 12.**

(g) **Promote cooperation with third countries** in accordance with **Article 13.**

28.8.2014 EN Official Journal of the European Union L 257/135

DIRECTIVES

DIRECTIVE 2014/89/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 23 July 2014
establishing a framework for maritime spatial planning

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Articles 43(2), 100(2), 192(1), and 194(2) thereof,

Having regard to the proposal from the European Commission,

After transmission of the draft legislative act to the national parliaments,

Having regard to the opinion of the European Economic and Social Committee [1],

Having regard to the opinion of the Committee of the Regions [2],

Acting in accordance with the ordinary legislative procedure [3],

Whereas:

(1) The high and rapidly increasing demand for maritime space for different purposes, such as installations for the production of energy from renewable sources, oil and gas exploration and exploitation, maritime shipping and fishing activities, ecosystem and biodiversity conservation, the extraction of raw materials, tourism, aquaculture installations and underwater cultural heritage, as well as the multiple pressures on coastal resources, require an integrated planning and management approach.

(2) Such an approach to ocean management and maritime governance has been developed in the Integrated Maritime Policy for the European Union ('IMP'), including, as its environmental pillar, Directive 2008/56/EC of the European Parliament and of the Council [4]. The objective of the IMP is to support the sustainable development of seas and oceans and to develop coordinated, coherent and transparent decision-making in relation to the Union's sectoral policies affecting the oceans, seas, islands, coastal and outermost regions and maritime sectors, including through sea-basin strategies or macro-regional strategies, whilst achieving good environmental status as set out in Directive 2008/56/EC.

(3) The IMP identifies maritime spatial planning as a cross-cutting policy tool enabling public authorities and stake-holders to apply a coordinated, integrated and trans-boundary approach. The application of an ecosystem-based approach will contribute to promoting the sustainable development and growth of the maritime and coastal economies and the sustainable use of marine and coastal resources.

[1] OJ C 341, 21.11.2013, p. 67.
[2] OJ C 356, 5.12.2013, p. 124.
[3] Position of the European Parliament of 17 April 2014 (not yet published in the Official Journal) and decision of the Council of 23 July 2014.
[4] Directive 2008/56/EC of the European Parliament and of the Council of 17 June 2008 establishing a framework for Community action in the field of marine environmental policy (Marine Strategy Framework Directive) (OJ L 164, 25.6.2008, p. 19).

http://vasab.org/index.php/documents/msp-and-iczr | Downloads | Baltic Sea Regi...

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VASAB VISION AND STRATEGIES AROUND THE BALTIC SEA

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Baltic Sea Region MSP Data Expert Sub-group (BSR MSP Data ESG)

Categories

- 5th meeting of BSR MSP Data ESG (3 Files)
- 4th meeting of BSR MSP Data ESG (6 Files)
- 3rd meeting of BSR MSP Data ESG (5 Files)
- 2nd meeting of BSR MSP Data ESG (8 Files)
- 1st meeting of BSR MSP Data ESG (4 Files)

Documents

COUNCIL OF THE BALTIC SEA STATES

EUSBSR EU STRATEGY FOR THE BALTIC SEA REGION

BALTIC SEA REGION TERRITORIAL MONITORING SYSTEM

ESPON

DA

Danish Geodata Agency

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Category

Category	Dataset	Data owner	Restricted	Fee	Web access	Information	Data Format	Status: Existing Under construction
Administrative borders	National	Danish Geodata Agency	No	No	http://msdi.dk/		WMS, WFS	Existing
	Regional	Danish Geodata Agency	No	No	http://msdi.dk/		WMS, WFS	Existing
	Local	Danish Geodata Agency	No	No	http://msdi.dk/		WMS, WFS	Existing
	Territorial water	Danish Geodata Agency	No	No	http://msdi.dk/		WMS, WFS	Existing
	EEZ	Danish Geodata Agency	No	No	http://msdi.dk/		WMS, WFS	Existing
Aquaculture areas	Aquaculture areas	Danish AgriFish Agency	No	No	http://msdi.dk/		WMS, WFS	Under contruction
fishing areas	Fishery area (where BSA nation fish)	Danish AgriFish Agency	No	No	?		?	?
	Spawning and nursery areas	Danish AgriFish Agency	No	No	?		?	?
	Important fishery ports	Danish Transport and Construction Agency	?	?	https://circabc.europa.eu/d/a/workspace/SpacesStore/535c58a4-8a20-48f8-9b30-30f567a973b4/Code-location-v1.9.xls		?	?
	Fish migration	Danish AgriFish Agency	No	No	http://msdi.dk/		WMS, WFS	Under contruction
	Fishing density							
	Restrictions	Danish AgriFish Agency	No	No	http://msdi.dk/		WMS, WFS	Under contruction
installations & infrastructures	Offshore wind farms	Danish Energy Agency	No	No	http://msdi.dk/		WMS, WFS	Existing
	Wave energy power plant	Danish Energy Agency	No	No	http://msdi.dk/		WMS, WFS	
	Offshore Wind Turbines	Danish Energy Agency	No	No	http://msdi.dk/		WMS, WFS	Existing
	Safety Zones / Construction Fields	Danish Energy Agency	No	No	http://msdi.dk/		WMS, WFS	Existing
	Platforms	Danish Energy Agency	No	No	http://msdi.dk/		WMS, WFS	Existing
	Buoys, Pods (with link to Energy Production)	Danish Maritime Authority	No	No	http://msdi.dk/		WMS, WFS	Under contruction
	Tunnels	?						

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Kommentarer Del

	A	B	C	D	E	F	G	H	I	J	K	L
1			Denmark	Estonia	Finland	Germany	Latvia	Lithuania	Poland	Russia	Sweden	HELCOM
2												
3	Category	Dataset	Data access	Data access	Data access	Data access	Data access	Data access	Data access	Data access	Data access	Data acc
4	Administrative borders	National	WMS, WFS	WMS,WFS	-	WMS, GIS	GIS	WMS,WFS	WMS, GIS	GIS	-	H-WMS, H-GI
5		Regional	WMS, WFS	WMS,WFS	WMS, GIS	WMS, GIS	GIS	-	WMS, GIS	-	WMS, GIS	H-WMS, H-GI
6		Local	WMS, WFS	WMS,WFS	WMS, GIS	WMS, GIS	GIS	GIS	WMS, GIS	-	WMS, GIS	-
7		Territorial water	WMS, WFS	WMS,WFS	GIS	WMS, GIS	GIS	GIS	GIS	GIS	WMS, GIS	H-WMS, H-GI
8		EEZ	WMS, WFS	WMS,WFS	WMS, WFS, GIS	WMS, GIS	GIS	GIS	GIS	GIS	-	H-WMS, H-GI
9												
10	Aquaculture areas	Aquaculture areas	WMS, WFS	written info	GIS	GIS	-	-	-	-	written info?	H-WMS, H-GI
11												
12	fishing areas	Fishery area (where BSA nation fish)	?	written info	GIS	?	GIS	GIS	WMS, pdf	written info	?	H-WMS, H-GI
13		Spawning and nursery areas	?	GIS	GIS	?	GIS	GIS	written	-	?	H-GIS
14		Important fishery ports	written	written	GIS	?	written	GIS	written	written	WMS, GIS	-
15		Fish migration	WMS, WFS	-	GIS	?	?	GIS	-	-	WMS, GIS	H-WMS, H-GI
16		Fishing density				?						
17		Restrictions	WMS, WFS	?	?	?	?	written	written	?	?	H-WMS, H-GI
18												

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BS-NSMSDIWG work shop December 6 - 8, Rostock, Germany

HELCOM, VASAB and DMA participated the meeting on December 7

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Workshop Schedule Day Two

Theme	Time	Subject	Responsible
Welcome	0900 - 0910	Welcome and the conclusions from Day One	Host/chair
Presentation and status	0920 - 1020	Presentation from VASAP/HELCOM data expert group	VASAB
		Presentation from HELCOM	HELCOM
		Presentation from the Danish Maritime Authority	DMA
Break	**1020 - 1035**		
Presentations and discussions	1035 - 1230	Presentation BS-NSMSDIWG - Terms of reference for the BS-NSMSDI WG	Chair
		National presentation from different hydrographic offices on national status on relevant topics e.g. SDI, MSDI, MSP and INSPIRE (Key successes and challenges on a country by country basis)	All
		Presentation OGC Marine Domain WG	NGA
Lunch	**1230 - 1315**		
Discussion	1315 - 1500	Discussion of the BS-NSMSDIWG work plan and action list with relevance to the HELCOM/VASAB MSP and HELCOM.	All
		Presentation/discussion on the need for hydrographic data in the future	All
		How can the regional MSDI WG cooperate with HELCOM and VASAB in the future?	All
Break	**1500 - 1515**		
Work plan	1515 - 1655	How can the regional MSDI WG cooperate with HELCOM and VASAB in the future?	All
		Action list - working on the tasks defined in the Action list.	All
Closing	1700	Closing of day two	Chair

Example - SHOM France

INSPIRE theme			Data set types	INSPIRE conformity			
				discover* (metadata)	view*	download*	transform service
Geographical Names	GN	I.3	Toponymes	no	no	no	no
Administrative Units	AU	I.4	Maritime limits - jurisdiction (6M, 12M, 200M…)	WCS [1]	WMS [2]	WFS [3]	no
Administrative Units	AU	I.4	Territorial sea baseline	no	no	no	no
Administrative Units	AU	I.4	Internal waters, territorial sea, EEZ	WCS [1]	WMS [2]	WFS [3]	no
Transport Network	TN	I.7	TSS, maritime routes and fairways	no	no	no	no
Elevation	EL	II.1	Bathymetry (DTM, surveys, …)	WCS [1]	WMS [2]	WFS [3]	planned
Elevation	EL	II.1	Maritime altimetric references (tide)	WCS [1]	WMS [2]	WFS [3]	no
Geology	GE	II.4	Sedimentology	WCS [1]	WMS [2]	WFS [3]	no
Utility and Government Services	US	III.6	Dumping areas, incineration areas, dredged areas	no	no	no	no
Utility and Government Services	US	III.6	Submarine cables and pipelines	WCS [1]	WMS [2]	WFS [3]	no
Utility and Government Services	US	III.6	Surveillance and rescue stations	WCS [1]	WMS [2]	WFS [3]	no
Production and Industrial Facilities	PF	III.8	Offshore production areas	no	no	no	no
Agricultural and Aquaculture Facilities	AF	III.9	Aquaculture farms, fish facilities	no	no	no	no
Management/Restriction/Regulation Zones and Reporting Units	AM	III.11	Maritime safety areas, regional and international monitoring or fishing areas	no	no	no	no
Management/Restriction/Regulation Zones and Reporting Units	AM	III.11	Restricted areas (military, mooring, danger, transshipping, sea landing …)	no	no	no	no
Sea Regions	SR	III.16	Coastline, shoreline	WCS [1]	WMS [2]	WFS [3]	no
Utility and Government Services (or Transport Network?)	US	III.6	Navigational aids	no	no	no	no
?			Wrecks and obstructions	WCS [1]	WMS [2]	WFS [3]	no
Oceanographic Geographical Features	OF	III.15	Currents (2D or 3D)	WCS [1]	WMS [2]	WFS [3]	no
Oceanographic Geographical Features	OF	III.15	Hydrological data (salinity, T° profiles, …)	WCS [1]	WMS [2]	WFS [3]	no
Oceanographic Geographical Features	OF	III.15	Sea transparency	no	no	no	no

* Please precise on which web portal here :
Exemple for France (SHOM)

(1) http://services.data.shom.fr/CSW/ISOAP
(2) http://services.data.shom.fr/INSPIRE/wms/r
(3) http://services.data.shom.fr/INSPIRE/wfs

Baltic Sea- North Sea Marine Spatial Data Infrastructures Working Group
Germany 6 – 8 December 2016
Action list.

25	1/2016	Use Case "Establishing wind mills" To investigate/analyse: 1) Which data is need and 2) What are the data sets HO MS can provide?	Denmark	MSDIWG6
26	1/2016	Denmark to provide a draft description of a MSP pilot project, (naming of datasets e.g. INSPIRE. E.G. Cables, windfarm) HELCOM and VASAB to be included.	Denmark	MSDIWG6
27	1/2016	Investigate if and how to participate in the INSPIRE work with relation to hydrographic data	Norway	MSDIWG6
28	1/2016	To investigate the different MSP initiatives and stakeholders in the North Sea with relevant to MSDI	Germany	MSDIWG6
29	1/2016	BS-NSMSDIWG and HELCOM VASAB MSP data group to send out a MSP questionnaire about relevant HO dataset and relation to INSPIRE and to evaluate if relevant HO datasets is missing	Chair	MSDIWG6
30	1/2016	Denmark to forward the HO MSP datasheet to all BSHC and NSHC MS	Denmark	MSDIWG6
31	1/2016	All BSHC and NSHC member states to answer and fulfil the HO MSP datasheet and send it to Denmark before the next meeting in BS-NSMSDIWG meeting.	All	MSDIWG6
32	1/2016	To investigate together with HELCOM and VASAB the need to task OGC to establish a conceptual model for MSP in the Baltic and North Sea	Chair	MSDIWG6
33	1/2016	To investigate the different possibilities to get free access to HO data sets e.g. for MSP. => All BS-NSMSDIWGMS to check and report on free HO data sets.	All	MSDIWG7
34	1/2016	Contact the North See in order to investigate the possibilities for cooperation on MSP in the future	Germany	ASAP
35	1/2016	To invite HELCOM and VASAB to the next BS-NSMSDIWG.	Chair	MSDIWG6

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