

Ministry of Environmental
Protection and Regional
Development
Republic of Latvia

Tasks given by HELCOM-VASAB MSP WG and future ambition of Data ESG

Kristīne Kedo

*11th Meeting of HELCOM-VASAB Data expert sub-group
Copenhagen, 4th April, 2019*



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Tasks given by HELCOM-VASAB MSP Working Group 18th meeting:

- Insight into “Baltic LINes” recommendations on MSP data and feedback from Data group (document sent prior the meeting)
- What fisheries data is needed in national MSP - how to identify common requirements for aggregated fisheries data?
- Mandate prolongation till end of 2021 – updates on ToR



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Recommendations of Baltic LINES



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



DATA	HELCOM VASAB MSP WG	Planners, TSOs and key stakeholders
Relevant context	<p>Limited access to coherent data and information on the spatial development of the Baltic Sea areas</p> <p>Lack of common standards and open access to data relevant for MSP and information in the Baltic Sea Region</p> <p>Lack of resources to encourage Member States to enhance their cooperation in the field of delivery of comprehensive data for the MSP</p>	<p>Limited access to coherent data and information on the spatial development of the Baltic Sea areas limits the cohesion of spatial planning in the trans-boundary areas</p> <p>A comprehensive, consistent and convenient access to up-to-date data covering the Baltic Sea area is necessary for planners dealing with marine spatial plans</p> <p>Stakeholders have limited access to data and information concerning the spatial development of maritime space, making the decision and investment processes more difficult</p>
Current competences / way of working	<p>Lack of access to relevant and cohesive data are major obstacles in the process of transboundary cooperation in the MSP development</p> <p>Different languages and formats</p>	<p>Data and information delivered to HELCOM by HELCOM Contracting Parties (HELCOM Map and Data Service). Access to data through spatial web services (BASEMAPS)</p> <p>The need to obtain relevant data from various sources and their further translation in the process of the maritime spatial planning increases the costs and may lead to misunderstandings</p>
Change of behaviour requested	<p>Amendment of BSR MSP Data ESG TOR to encourage data providers to deliver open data through web services using open standards for transnational consultations</p> <p>BSR MSP Data ESG responsible for updating and verifying of available information (via BASEMAPS)</p> <p>Dialogue in BSR MSP Data ESG will improve the quality and consistency of data and information, thus the process of the MSP development and verification will become easier and more effective</p>	<p>Fully consistent and convenient open data and information sources provided by national coordinators to drive the BASEMAPS</p> <p>Open access for relevant data and information will support the process of maritime spatial planning on the Baltic Sea</p> <p>Strive to data harmonization to have a common language, symbology and definitions for MSP data.</p>



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Update the ToR of BSR MSP Data ESG to reflect the following points:

- The BSR MSP Data ESG should work to support the data availability in the newly created tool to access Baltic Sea MSP data based on a Marine Spatial Data Infrastructure (an out-put of Baltic LINES called BASEMAPS) and make sure that their national data is included.

point in ToR:

h. agree on roadmap; the group should consider developing existing infrastructure further for MSP, if possible, before considering new platforms for data infrastructure



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Update the ToR of BSR MSP Data ESG to reflect the following points:

- The status of the data availability should be followed up at each group meeting of the BSR MSP data ESG. The data ESG should inform the HELCOM-VASAB MSP WG on the status of BASEMAPS' completion.

point in ToR:

c.follow up and compile identified main trans-boundary / cross-border issues in MSP in the BSR in relation to data and information



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Update the ToR of BSR MSP Data ESG to reflect the following points:

- BASEMAPS should be the focal point for getting an overview on MSP related spatial data stemming from national Marine Spatial Data Infrastructures (MSDIs). Therefore, BASEMAPS could be the starting point for cataloguing relevant data to be used by MSP related spatial decision support tools.

point in ToR:

h. agree on roadmap; the group should consider developing existing infrastructure further for MSP, if possible, before considering new platforms for data infrastructure



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Update the ToR of BSR MSP Data ESG to reflect the following points:

- BASEMAPS should be continuously fed and its data layers extended to other sectors such as aquaculture, underwater cultural heritage, etc.

point in ToR:

h. agree on roadmap; the group should consider developing existing infrastructure further for MSP, if possible, before considering new platforms for data infrastructure



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Update the ToR of BSR MSP Data ESG to reflect the following points:

- The BSR MSP Data ESG should encourage MSP data providers to establish English as an additional language to provide MSP transboundary data

point in ToR:

none



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Update the ToR of BSR MSP Data ESG to reflect the following points:

- Likewise, the BSR MSP Data ESG should also work to support a common symbology for MSP data and establishment of common term vocabulary to achieve semantic interoperability.

point in ToR:

f.compile minimum data/ information/ evidence requirements for trans-boundary / cross-border MSP: scope, metadata, standards, formats etc. for "Input Data", and "Sharing" of these data



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Fisheries data for MSP – cooperation with HELCOM FISH and ICES



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia

Why and what do we need?

- **What data is used for national MSPs?**
- **What data from fisheries is the most important for transboundary consultations?**
 - ✓ Where countries fish outside their waters?
 - ✓ Where are the essential fish habitats?



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Previous work
done on INPUT
data – 52 data
sets identified,
5 of them on
fisheries.

Any update
needed?

MSP issues	Dataset
Administrative & jurisdictional borders	National
	Regional
	Local
	Territorial water
	EEZ
Aquaculture areas	Aquaculture areas
Fishing areas	Fishery area (where BSA nation fish)
	Spawning and nursery areas
	Important fishery ports
	Fish migration
	Fishing density
	Restrictions
Installations & infrastructures	Offshore wind farms
	Wave energy power plant
	Offshore Wind Turbines
	Safety Zones / Construction Fields
	Platforms
	Buoys, Pods (with link to Energy Production)
	Tunnels
	Bridges
Maritime transport routes and traffic flows	IMO-Routes
	Fairways
	Roadsteads / port raid protection zones
	Anchorage
	Ferry Lines/Routes/ MOS
	AIS - several Data Sets: (different periods/years/seasons?) different Type of Traffic: -All -Cargo -Dangerous Goods -Passenger -Leisure Boats -Fishery -Other/Unknown
	Ports
	Dredging
	Dumping
	restricted areas for shipping

MSP issues	Dataset
Nature and species conservation sites and protected areas	N2000
	MPA (BSPA)
	Ramsar
	UNESCO Biosphere Reserve
	Marine National Parks
	IBA (BirdLife)
	Porpoise habitats
	Bird migration routes
	Bird wintering grounds
Military training areas	Military Exercise Areas
	Radar areas / military observation areas
Raw material extraction areas	Sand and Gravel
	Natural Gas
	Oil
	Co2-Storage
	Fracking
Scientific research	Research areas
	Measuring stations / networks
Submarine cable and pipeline routes	Telecommunication/Data cables
	High Voltage Cables
	Pipelines
Tourism & recreation	Recreation and tourism areas
Underwater cultural heritage	Underwater cultural heritage

NB! An extended overview of relevant INPUT datasets
in the BSR countries is published on VASAB webpage

<http://vasab.org>



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Fisheries data (INPUT data tables):

Fishing areas or Fishery area (where BSA nation fish):

- Spawning and nursery areas
- Important fishery ports
- Fish migration
- Fishing density
- Restrictions



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia

Fisheries data availability (nationally):



	Denmark	Estonia	Finland	Germany	Latvia	Lithuania	Poland	Russia	Sweden	HELCOM
Fishery area (where BSA nation fish)	?	written info	GIS	?	GIS	GIS	WMS, pdf	written info	?	H-WMS, H-GIS
Spawning and nursery areas	?	GIS	GIS	?	GIS	GIS	written	-	?	H-GIS
Important fishery ports	written	written	GIS	?	written	GIS	written	written	WMS, GIS	-
Fish migration	WMS, WFS	-	GIS	?	?	GIS	written	-	WMS, GIS	H-WMS, H-GIS
Fishing density		written	H-WMS, H-GIS	written			written	written		H-WMS, H-GIS
Restrictions	WMS, WFS	?	?	?	?	written	written	?	?	H-WMS, H-GIS



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Prolongation of Data ESG mandate - way forward:

- Mandate prolongation until the end of 2021
– updates on ToR to justify the further
activities of Data ESG:
 - To be sent by 25th April
 - Deadline for comments and extra
amendments 10th May
 - To be approved by HELCOM-VASAM
MSP WG in autumn 2019

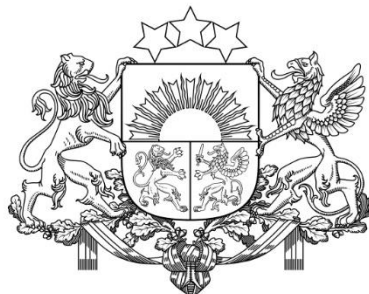


Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Discussion on way forward:

- Capacity of Contracting Parties?
- Possibility to involve national data providers?
- Analysing gaps data set by data set for future projects to solve?
- Prioritization of INPUT data for transboundary consultations?
- Written procedure for ToR update?



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia

Thanks!

kristine.kedo@varam.gov.lv



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



Prioritization of sectors to work with INPUT data:

- Energy and Maritime transport partly covered by BalticLINES, as well as some other sectors
 - In total 52 data set availability analyzed in Baltic LINES
 - Only few national services uploaded on BASEMAPS
- Next sectors:
 - Fisheries in cooperation with HELCOM FISH & ICES
 - Underwater cultural heritage in cooperation with Baltic RIM project
- What issues to discuss:
 - Content, purpose, scale, format



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



BASEMAPS

- To be investigated which data is there already?
 - To use it further for INPUT data browsing?
-
- ✓ There are 52 categories in BASEMAPS
 - ✓ 27 of them were prioritized in BalticLINES, but BASEMAPS got also services from non-prioritized categories.



Ministry of Environmental
Protection and Regional
Development
Republic of Latvia



100% = 468 services
(52 categories X 9
countries)

Available working services in BASEMAPS

3rd April 2019

WMS

There are 88 working services

WFS

There are 23 working services

100 %

50 %

0 %



19 %

5 %