

Re-Survey MWG Report to the BSHC 27th Conference in *Stockholm, Sweden*

1. Status of the work of Re-Survey MWG since BSHC 26th Videoconference, Stockholm

The main tasks for the MWG has been to encourage the member states to continue the up-to-date surveys of their waters and to continue to update and enhance the Re-Survey database. The communication within the MWG has been by e-mails.

At the HELCOM Ministerial meeting on 20 October 2021 the Commission adopted the updated HELCOM Baltic Sea Action Plan (BSAP). This is a remarkable milestone for BSHC, which now has the strong political commitment signed by Government representatives and the EU Commission.

BSAP sets a timeline for hydrographic surveying in the Baltic Sea. The work of MWG is not limited to seabed coverage for areas used by commercial shipping in the Baltic Sea. The aim is that the entire Baltic Sea will be surveyed according to IHO standards and with full seabed coverage.

2. Monitoring Working Group meetings

The MWG 23rd meeting was scheduled to take place on 23 March 2022 but was suspended due to the BSHC Chair 1/2022 letter (dated 11.03.2022). The next meeting will be agreed after BSHC 27.

3. The results of the MWG since BSHC26 (Sept 2021- August 2022)

BSHC 26th action 6:

Continuously keep HELCOM Re-Survey Plan updated based on existing shipping and boating with e.g. AIS information, and perform surveys in accordance with the Re-Survey Plan.

- Even though there has been no MWG meeting, the member states have reported by e-mail their updated figures of progress of surveys.

HELCOM Survey statistics, as April 2022

[based on e-mails of member states spring 2022]

Completed field surveys and data verified

Country	CAT I [~year compl]	Cat I area total / remaining [~km ²]	CAT II [~year compl]	Cat II area total / remaining [~km ²]	CAT I & II total [~km ²]	CAT III [~year compl]	Cat III area remaining [~km ²]	Cat III area total [~km ²]	statistics by
Denmark	2013	7 631 / 0	2030	13 926 / 3643	21 557	2033	11 221	11 363	1.3.2022
Estonia	2015	8 413 / 0	2035	25 164 / 6 417	31 581	2026	3 376	4 321	31.12.2021
Finland	2016	22 321 / 0	2016	28 678 / 0	51 000	2040	22 070	31 077	7.4.2022
Germany	2019	3 273 / 0	2025	12 127 / 0	15 400	not applic	-	-	23.4.2021 (re re-surveys)
Latvia	2015	2 461 / 0	2023	6 109 / 949	8 570	2045	18 838	19 133	31.12.2021
Lithuania	2019	1 569 / 1	2026	1 823 / 785	3 400	2040	2 625	3 041	26.1.2022
Poland	2022	3 782 / 1 098	2021	906 / 0	4688	2039	19 325	25 126	1.2.2022
Russia	2018		2018		1 200	2017		22 204	
Sweden	2023	48 568 / 392	2023	69 302 / 3758	117 870	(*) 2036	35 557	(*) 47 393	31.12.2021

(* SE has prioritized and categorized their Cat III areas (High/Medium/Low). Areas used for navigation completed 2036

BSHC 26th action 10:

In connection with the meeting, it was planned to organize an ASV/USV workshop and report possibility to contribute to Autonomous Survey Vessels related knowledge exchange.

BSHC 26th action 24:

It was planned to discuss in the meeting on the possible use of CSB data in the Baltic Sea region, and report to BSHC 27.

Presentations were given by MWG members in following meetings, as planned:

- Reporting to HELCOM MARITIME 21 at videoconference on 27-29 October 2021 hosted by HELCOM (by the presenter Maarit Mikkelsen)
- Reporting to EUSBRs Pa Ship & Safe Steering Committee meeting (EU Strategy of the Baltic Sea Region) at videoconference on 7 December 2021 hosted by Denmark (by the presenter Maarit Mikkelsen)
- Reporting to HELCOM Maritime Safe Nav informal consultation meeting at videoconference on 20 June 2022 hosted by Finland (by the presenter Seppo Mäkinen)

4. Future Work of the MWG

MWG will continue to monitor the progress of the HELCOM Re-survey Scheme and update Re-Survey Database. It is of importance to have the database enhanced and interface operate reliably.

MWG will present the updated Harmonized Re-Survey Scheme Status as part of the Baltic Sea Action Plan at HELCOM Maritime 22 when the date of meeting is confirmed.

Continue cooperation with future possible EU CEF program (TEN-T) and EU REGIO (Interreg) funding projects concerning Re-Surveys in the Baltic Sea.

Follow up HELCOM Head of Delegates outcome on the need of updating Re-survey plan and perform Re-surveys especially in areas in South-Eastern Baltic, where AIS-records show commercial shipping taking place and which areas are not nationally categorized as HELCOM cat I or cat II areas - limited progress due to lack of bilateral negotiations.

Continue liaison and information exchange with NSHC.

Continue communication with relevant organisations and inform users by giving presentations and participating in relevant conferences, such as HELCOM Maritime and EU BSRS PA Safe Steering Committee (as revised Re-Survey Scheme has a Flagship status within EU).

To follow up the HSWG (of IHO) and to implement S-44 ed6 to the hydrographic work within the Baltic Sea.

To activate all the member states to send representatives to MWG meetings and participate MWG work.

MWG will organize an ASV/USV workshop and exchange the knowledge of the Autonomous Survey Vessels, time and venue to be agreed.

MWB member states will discuss the possible use of CSB data in the Baltic Sea region.

5. Actions for the BSHC 27th Conference

The BSHC 27th Conference is invited to

1. note this Report
2. note the revised HELCOM Re-Survey Scheme status, to be reported to the HELCOM Maritime 22 and EU SBSR PA Safe
3. encourage member states to study and define Cat I & II areas in their waters based on the existing AIS-information on commercial shipping
4. encourage member states to perform re-surveys in all revised HELCOM Re-Survey Scheme areas
5. encourage member states to participate actively to MWG work
6. give further guidance to MWG, as seen appropriate

Annexes (below):

1. MWG TORs and work program
2. HELCOM Re-Survey status

Annex 1 to the MWG Report

MWG Work Programme for 2021 - 2025

[Version 9, proposed on 24 Sept 2020 at BSHC25]

MWG Tasks: [based on MWG TORs as approved by BSHC 13th Conference, 20 August 2008]:

- 1.1 To maintain the Baltic Sea Harmonised Re-survey Scheme
- 1.2 To maintain the re-survey metadata database
- 1.3 To monitor the progress of the execution of the Harmonised Re-Survey Scheme
- 1.4 To identify possible problems and propose solutions or workarounds to them
- 1.5 To specify and propose updates and changes to the Harmonised Re-Survey Scheme
- 1.6 To liaise with national Maritime Administrations, HELCOM Secretariat, and other relevant organisations.
- 1.7 To support IHO working groups and other European projects in issues concerning IHO S-44 and survey status, e.g. IHO HSWG. Any official decisions shall be brought to BSHC Conference be decided.
- 1.8 The MWG should report to the BSHC at least once a year.

Tasks for 2021 - 2025:

No	Task	Resp.	Priority	Remarks/Status
B.1	MWG to monitor the implementation of Re-survey Scheme	All	High	
B.2	MWG Members to update national re-survey plans	All	High	Awareness needed for the South-Eastern Baltic Sea
B.3	MWG Members to take necessary harmonisation actions between countries	All	High	Awareness needed for the South-Eastern Baltic Sea
B.4	MWG Members to keep Re-survey database updated	All	High	
C.1	MWG to develop specifications for new re-survey database	All	High	More specific development tasks may be listed.
C.2	To contribute to IHO C-55 development and harmonise the developments	Chair / BSHC Chair	Medium	
C.3	To contribute to IHO S-44 work	All / team participants	High	through representation at IHO HSWG
D.1	To liaise with other relevant organisations (HELCOM, NMAs, NSHC, EU SBSR...),	Chair	Medium	
D.2	To report to BSHC yearly	Chair	High	
D.3	To write articles (relevant publications, conferences, etc.)	Chair	Low	There are articles on IHR 10/2014.

MWG Meetings past 6 years:

MWG12, 17 June 2015, Riga, Latvia
 MWG13, 10 February 2016, Norrköping, Sweden
 MWG14, 11 November 2016, Rostock, Germany
 MWG15, 8 March 2017, Malmö, Sweden
 MWG 16, 21-22 September 2017, Rostock, Germany
 MWG17, 7 March 2018, Malmö, Sweden
 MWG18, 27 August 2018, Aalborg, Denmark
 MWG18 B, 14-15 November 2018, Riga, Latvia
 MWG19, 16-17 April 2019, Tallinn, Estonia
 MWG20, 10 Sept 2019, Gdansk, Poland
 MWG21, 24 March 2020 SKYPE video conference
 MWG22, 26 April 2021 SKYPE video conference

Annex 2 to the MWG Report

HELCOM Re-Survey status statistics (April 2022)

HELCOM Survey statistics, as April 2022

[based on e-mails of member states spring 2022]

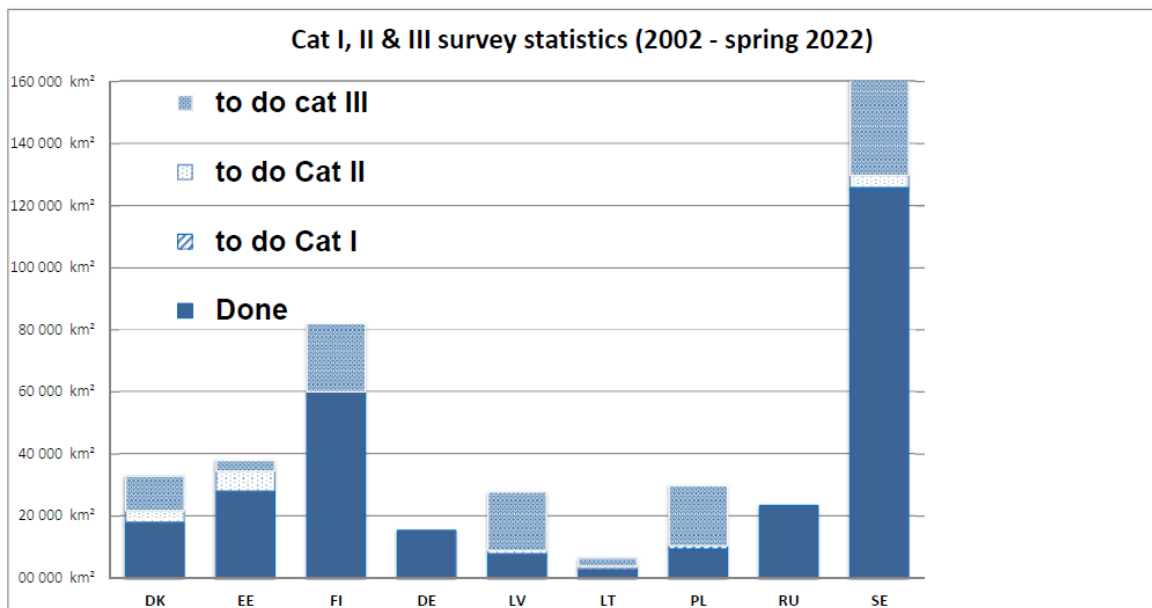
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 31.12.2021
 26.1.2022
 1.2.2022
 31.12.2021

(*) SE has prioritized and categorized their Cat III areas (High/Medium/Low). Areas used for navigation completed 2036



Shipping routes remaining to be surveyed

<https://helcomresurvey.sjofartsverket.se/>