

## C1 Re-Survey MWG

C.1.1 Re-Survey MWG Report

C.1.2 HELCOM Re-Survey Scheme update

C.1.3 HELCOM Re-Survey Scheme Assessment Report

BSHC25 item C1

22.9.2020

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## C.1.1 Report of MWG work

- Monitoring the progress of HELCOM Re-Surveys
  - Reporting to HELCOM Maritime;
  - Reporting to EU Strategy of the Baltic Sea Region Policyarea SAFE (navigation);
- Success on BSHC24 statement to IHO HSPT (on updating the S-44). Exclusive order is now part of the S-44 ed6. Thank you DK for the statement, as previous chair!
- Present the updated HELCOM Harmonized Re-Survey Scheme to HELCOM Maritime 20;
- Each MS should study and implement the S-44 ed 6 into their national activities
  - Common discussion and possibly common implementation;
- Encourage the MSs to perform re-surveys in their waters;
- Encourage MSs to monitor the AIS statistics and adjust their re-survey categories accordingly;
- Encourage MSs to update the BSHC Bathymetric database and Re-Survey database;



## C.1.1 & C.1.2 HELCOM Cat I / II / III statistics (Q1 2020)

Country	CAT I [~year compl]	Cat I area total / remaining [~km <sup>2</sup> ]	CAT II [~year compl]	Cat II area total / remaining [~km <sup>2</sup> ]	CAT I & II total [~km <sup>2</sup> ]	CAT III [~year compl]	Cat III area remaining [~km <sup>2</sup> ]	Cat III area total [~km <sup>2</sup> ]
Denmark	2013	7 631 / 0	2030	13 372 / 5 099	21 003	2033	11 221	11 363
Estonia	2015	8 413 / 0	2035	23 168 / 7 926	31 581	2026	3 766	4 321
Finland	2016	22 321 / 0	2016	28 678 / 0	51 000	2040	20 100	31 042
Germany	2019	3 273 / 0	2025	12 127 / 0	15 400	not applic	0	0
Latvia	2015	2 500 / 0	2022	6109 / 1376	8 609	2045	20 500	20 500
Lithuania	2019	1 569 / 1	2026	1 823 / 1071	3 400	2042	2 736	3 041
Poland	2021	3 787 / 1 102	2020	906 / 104	4 693	2039	20 826	25 128
Russia	2018		2018		1 200	2017		
Sweden	2022	48 568 / 1 491	2022	69 538 / 15 421	118 106	(*) 2036	39 000	39 000



An informal goal is to have Cat I & II areas relevant for commercial shipping completed by end of 2020. Some areas need continuous re-surveying due to changing environmental and sea bottom conditions.

(\*) SE has prioritized and categorized their Cat III areas. Areas used for navigation completed 2036.

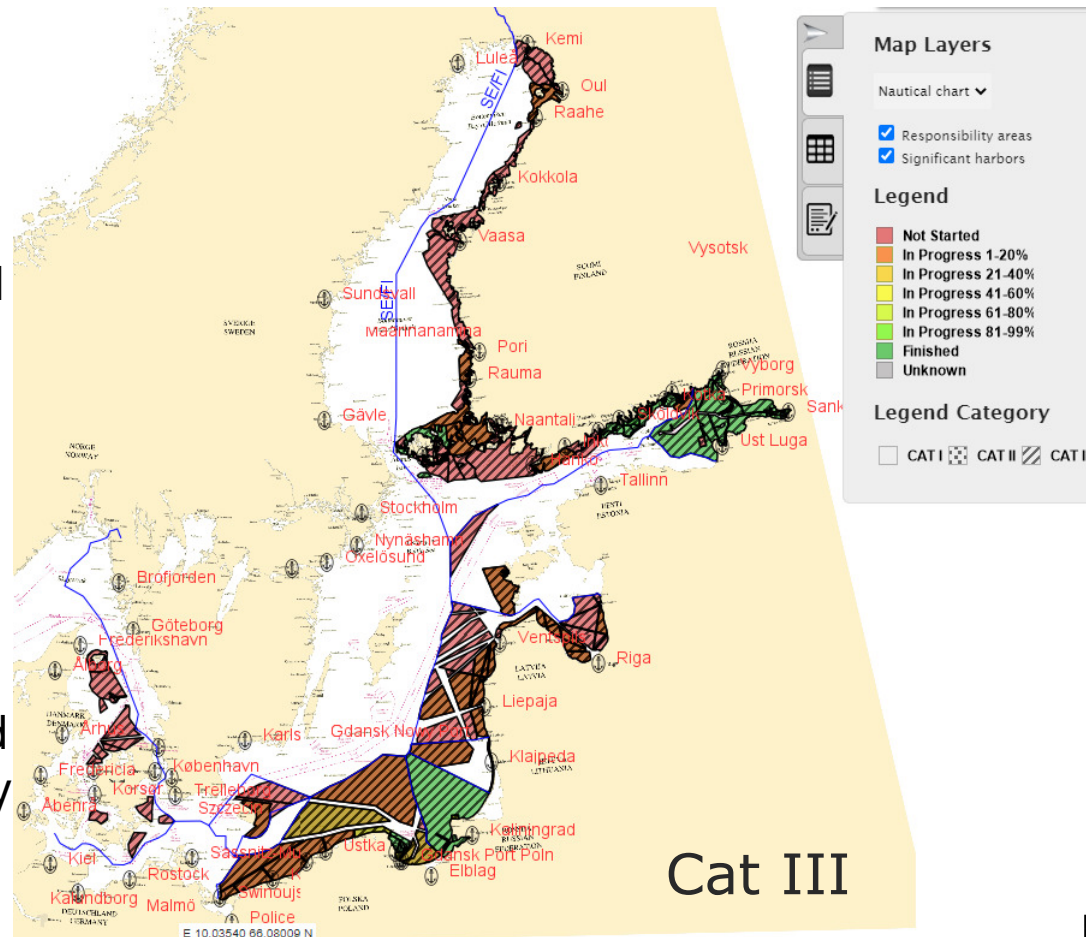
## C.1.2 Cat III areas at <https://helcomresurvey.sjofartsverket.se/>

BSHC24 decided on the update of HELCOM Harmonized Re-Survey Scheme to include Cat III areas.

Task to MWG. Approval of updated Re-Survey Scheme at BSHC25 -> HELCOM Maritime 20.

This has an effect, that Cat III areas should be re-surveyed with S-44 **full coverage** methods.

HELCOM Maritime 20 is requested to consider this updated Re-Survey Scheme as part of the new Baltic Sea Action Plan 2021



# C.1.3 HELCOM Re-Survey Scheme Assessment Report for HELCOM Maritime 20 (5.-9.10.2020 Video, Helsinki)

Assessment report findings on Re-Survey Scheme (2002-2020):

- ~97% of all Cat I areas and ~80% of all Cat II areas are completed by end of 2019, having one more field seasons to complete the informal goal of 99% of areas relevant for commercial shipping;
  - The ordinary Baltic Sea Member States surveys have covered about 85.000 km<sup>2</sup>;
  - EU Grants have speeded up the surveys so far with extra 66.000 km<sup>2</sup> completed (EE, FI, LV, LT, SE) with **50 M€** of Member States own national financing and **17,7 M€** extra on top from EU INEA / TEN-T Grants;
- Work processes efficiency has increased and more co-operation between MSs has taken place (also benchmarking);
- Benefits have been largely e.g. in commercial shipping safety, efficient route planing, Maritime Spatial Information (for Baltic Sea Bathymetric Model, STM and Maritime Spatial Planning), SAR activites and oil recovery contingency. This data provides base for S-102 depth models;
- HELCOM Harmonized Re-Survey Scheme update is proposed to be part of the new BSAP by
  - HELCOM Baltic Sea Action Plan (BSAP) update SEA workshop on Maritime activities
  - HELCOM Maritime 19 & Maritime 19A



# BSHC25 is invited to

1. note this Report
2. approve the updated Harmonized HELCOM Re-Survey Scheme with Cat III areas included;
3. approve the updated HELCOM Re-Survey Scheme assessment report to be presented to HELCOM Maritime 20;
4. encourage member states to study and define Cat I & II areas in their waters based on the existing AIS-information on commercial shipping
5. encourage member states to perform re-surveys in areas of commercial shipping;
6. encourage member states to participate actively to MWG work
7. Select the next MWG chair (from 2021, to provide the knowledge transfer)
8. give further guidance to MWG, as seen appropriate





Liikenne- ja viestintävirasto

# Thank You

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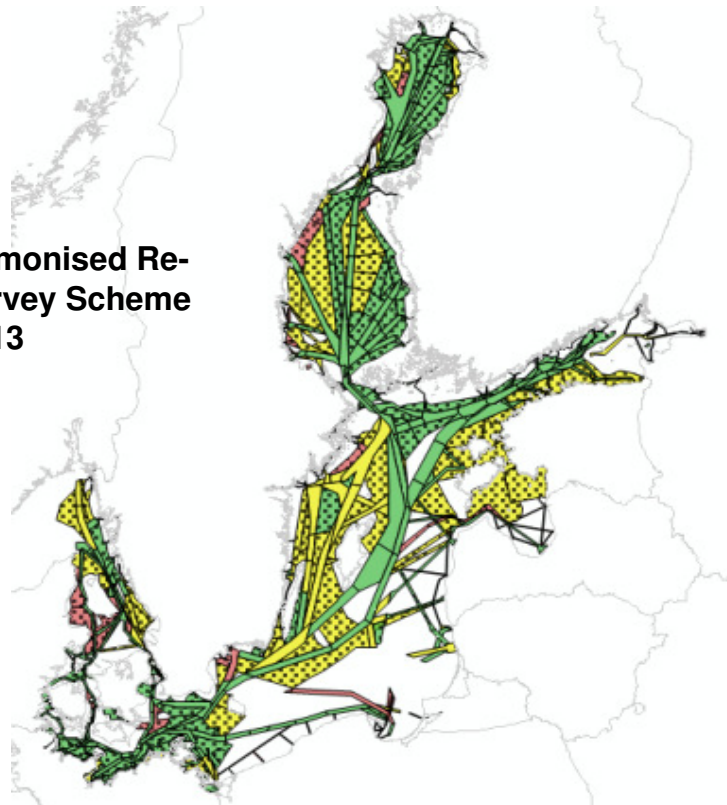
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HELCOM MARITIME

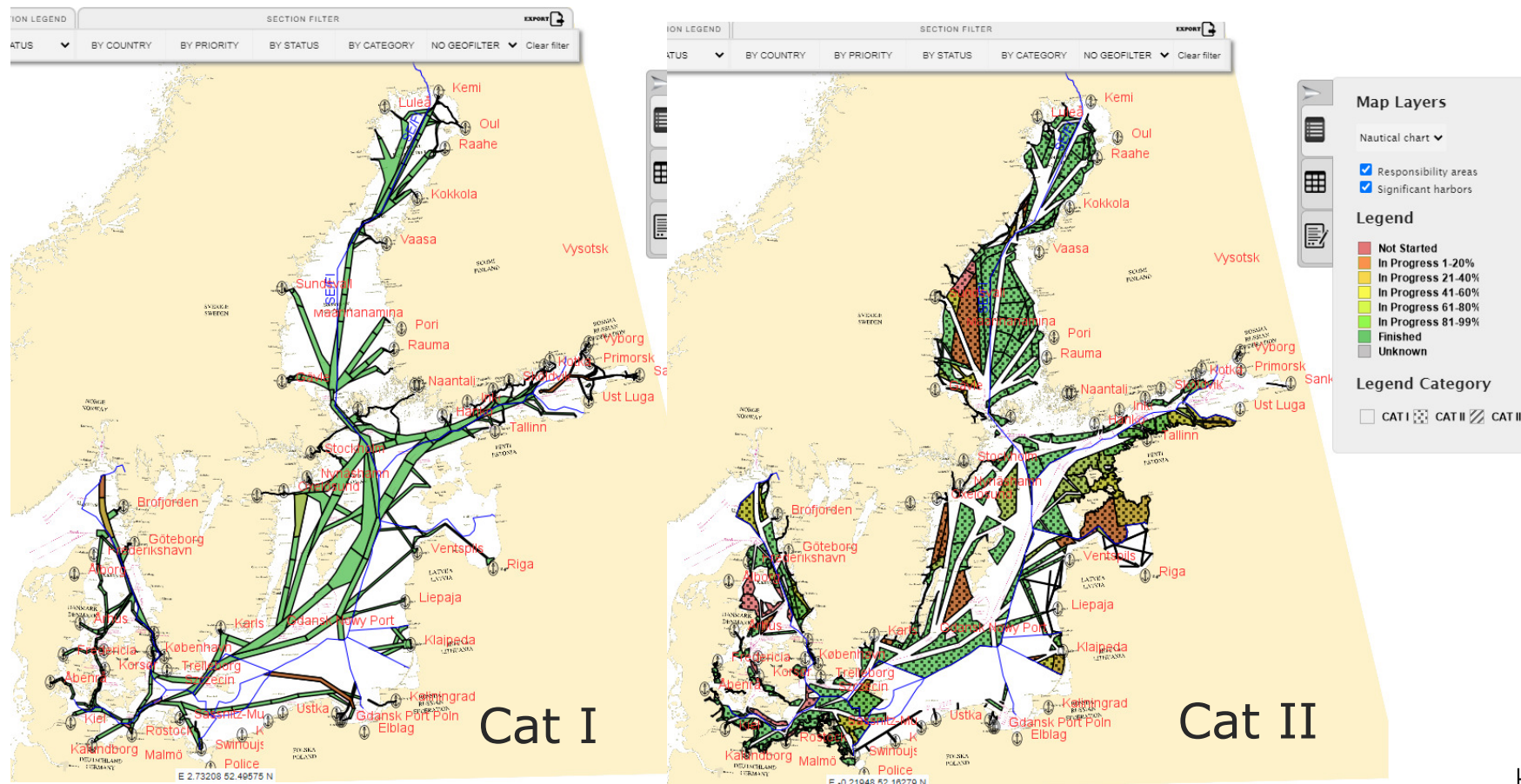


Hamonised Re-  
survey Scheme  
2013



BSHC Monitoring  
Working Group

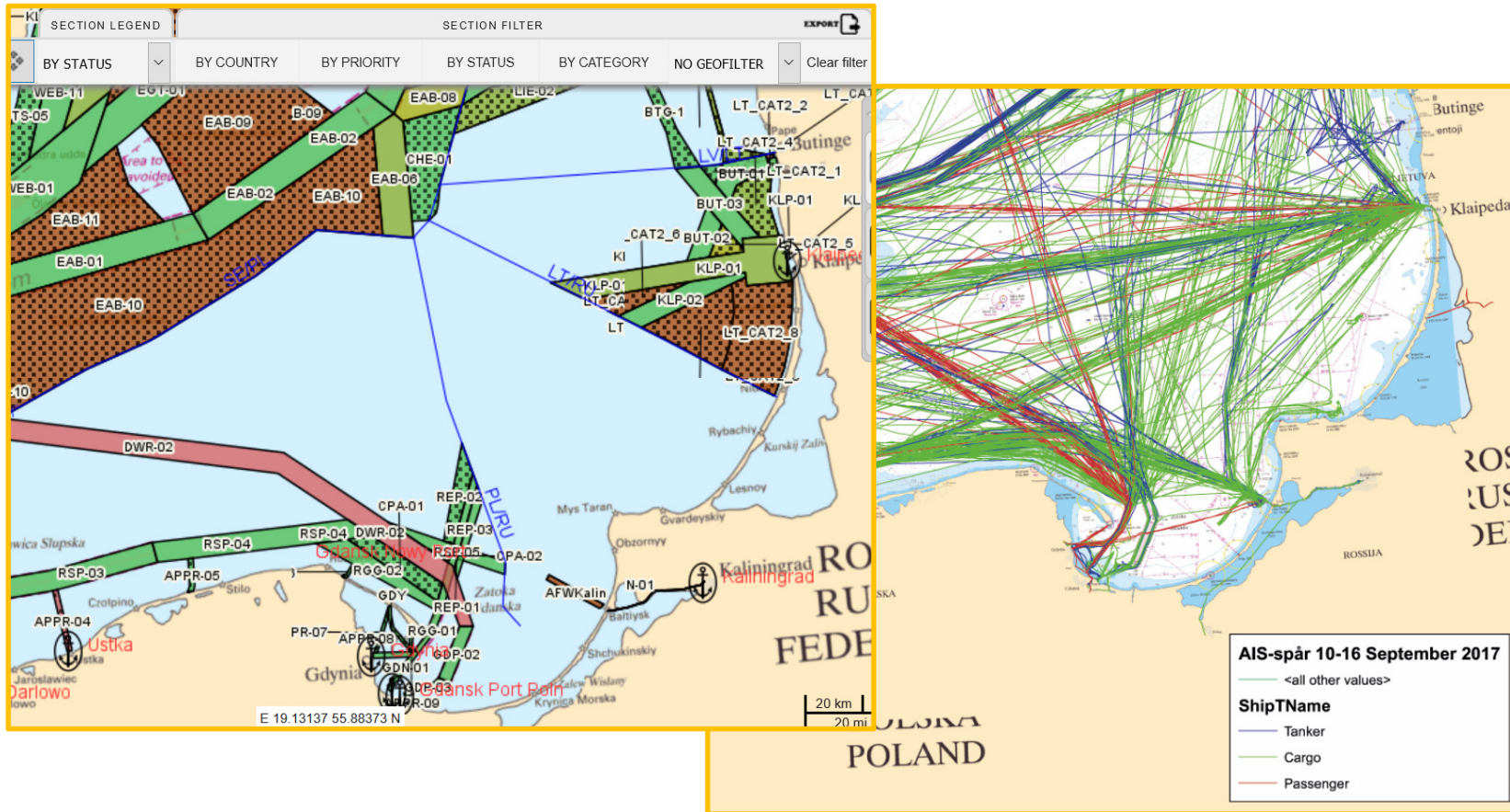
# C.1.1 Database maintained at SMA, Cat I & II status



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



## C.1.1 Raising awareness on Southeast Baltic Sea



## C.1.1 BSHC Baltic Sea Bathymetric Database

### Open data

The Member States send the new / updated and verified data to SE about 1-2 times annually. The update of the Bathymetric DB is somewhat delayed.

<http://data.bshc.pro>

