

## C1 Re-Survey MWG

C.1.1 Re-Survey MWG Report

C.1.2 HELCOM Re-Survey Scheme Assessment Report

C.1.3 BSHC24 letter to IHO HSPT

BSHC24 item C1

11.9.2019

Seppo Mäkinen



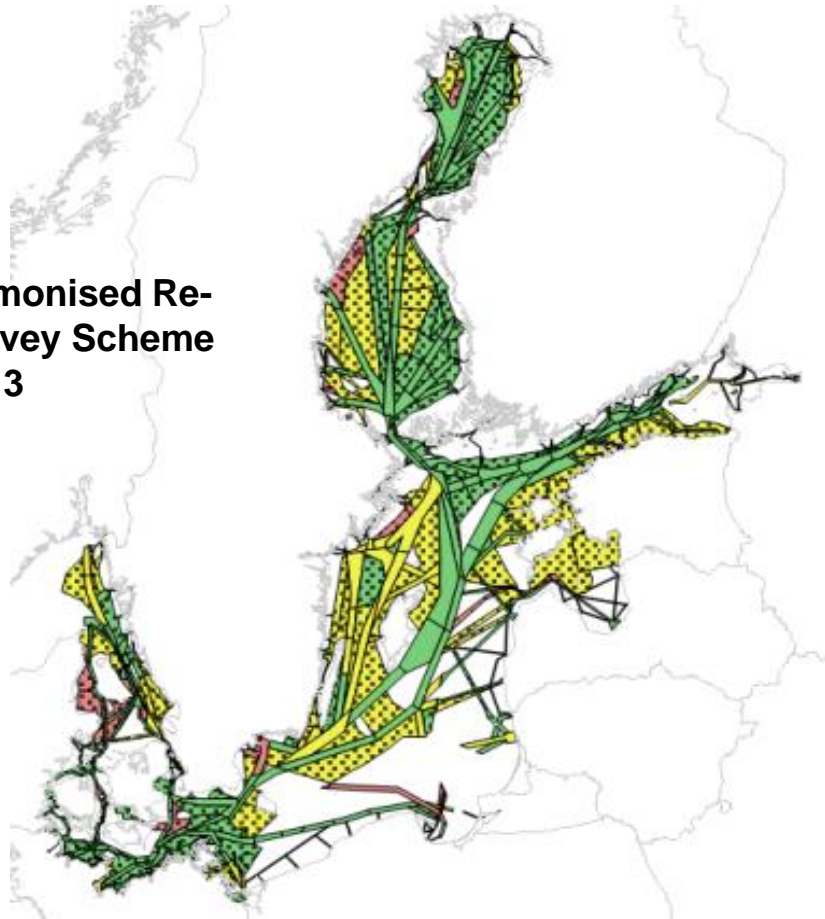
## “Players”



HELCOM MARITIME

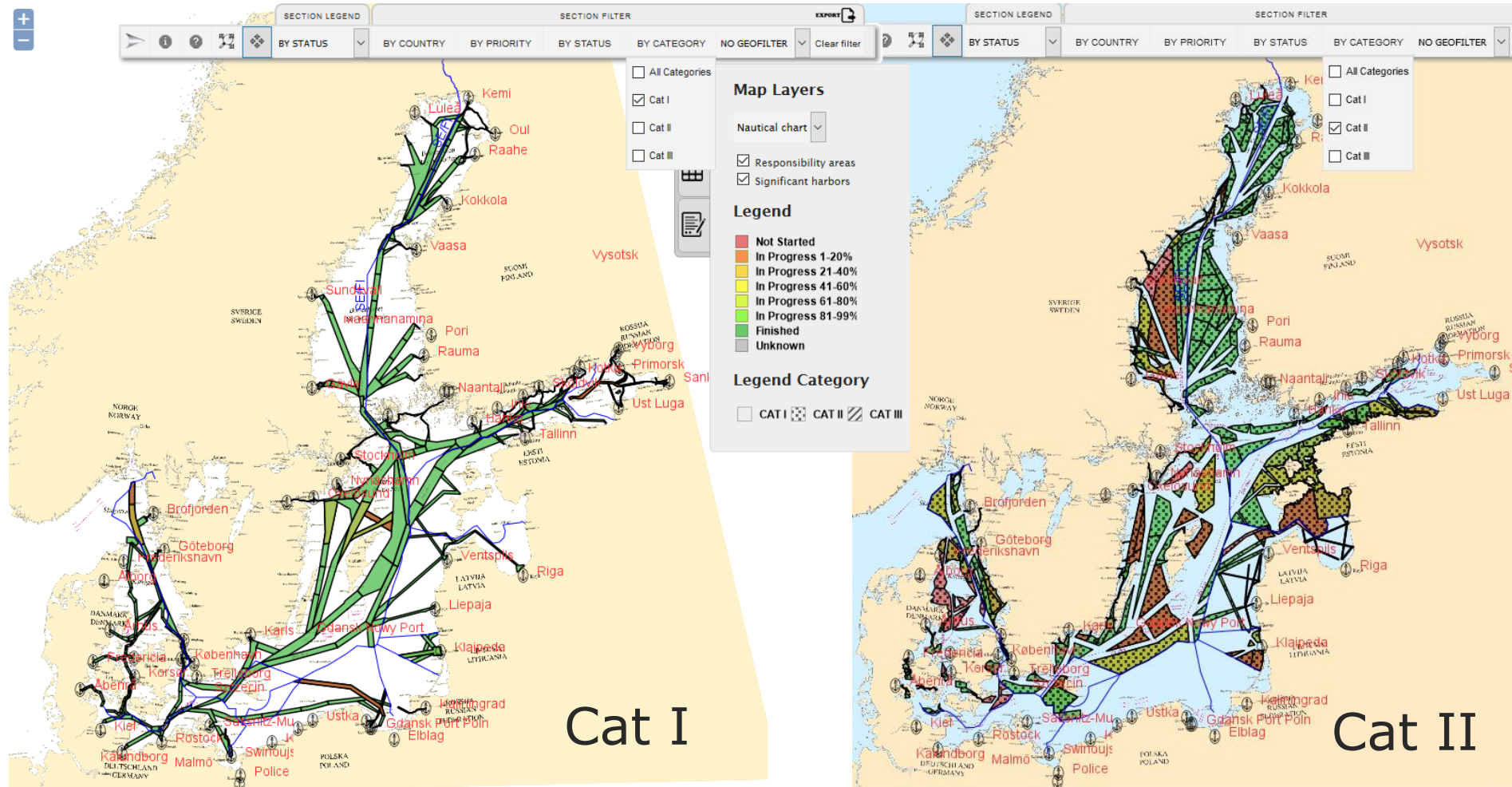


Hamonised Re-survey Scheme 2013



BSHC Monitoring Working Group

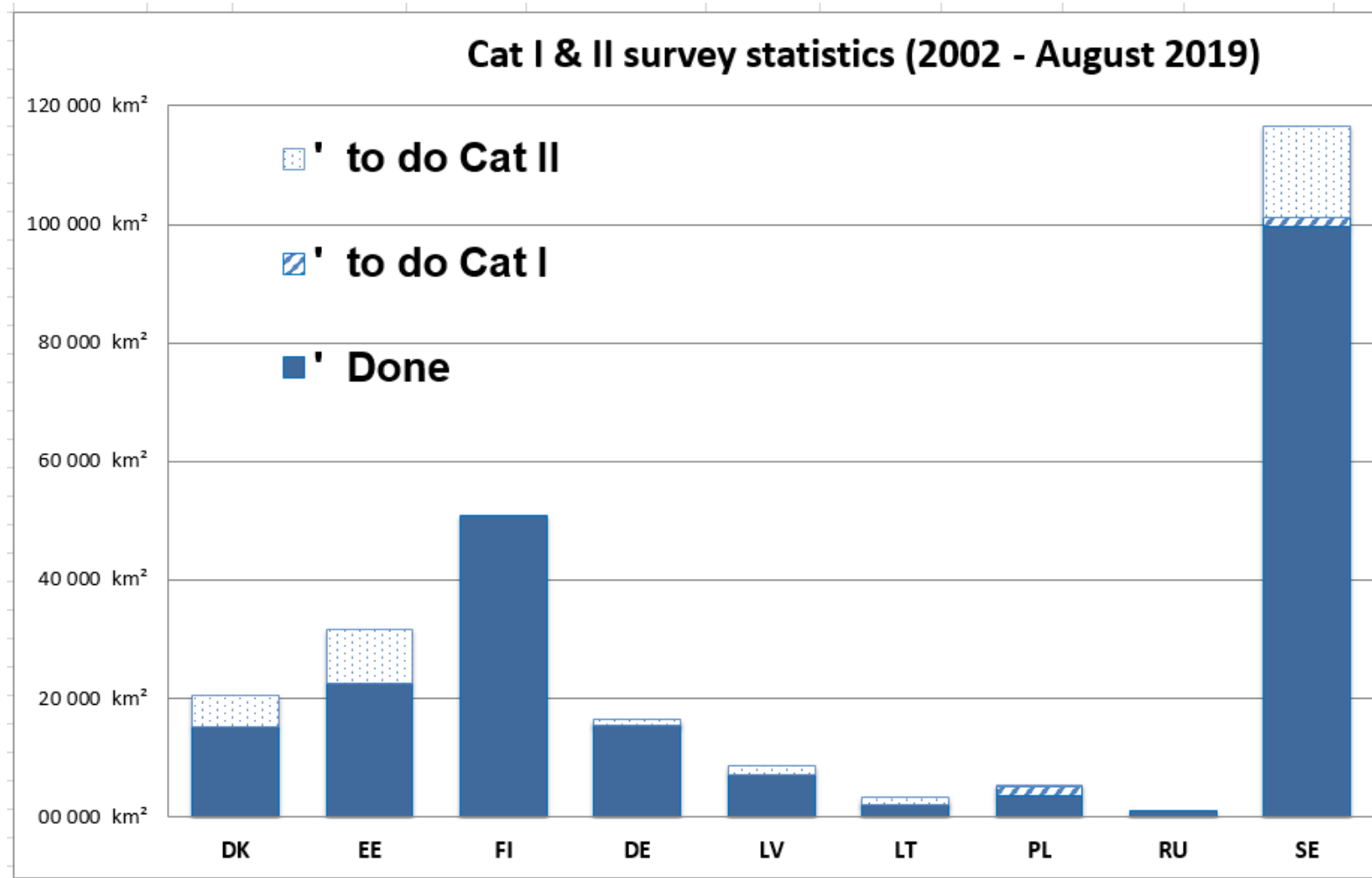
# C.1.1 Database maintained at SMA, Cat I & II status



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



# C.1.1 HELCOM Cat I & II areas remaining to be surveyed (based on the Copenhagen 2013 decision)



# C.1.1 HELCOM Cat I / II / III statistics (figures)

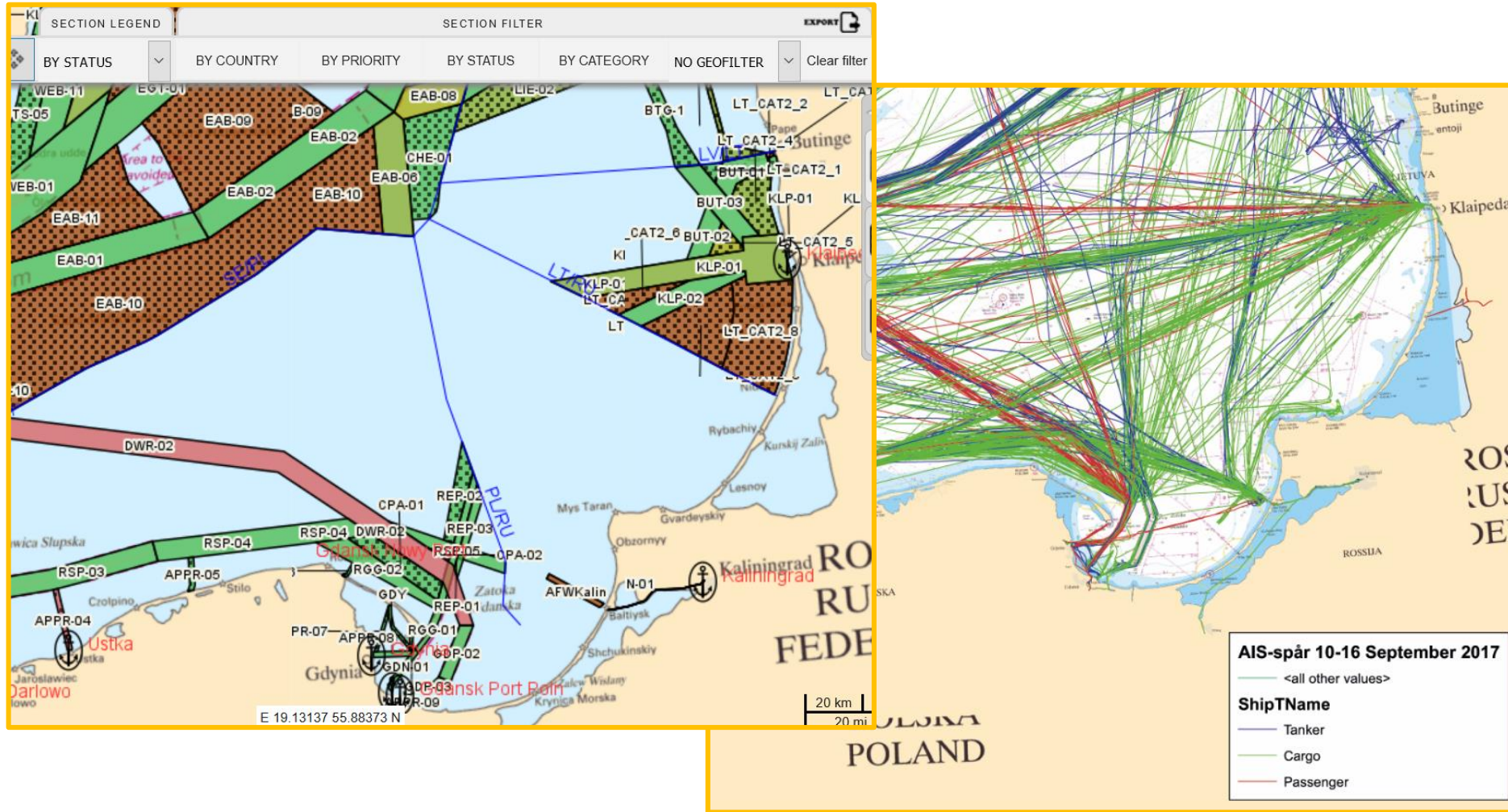
Country	CAT I [year]	Cat I area total / remaining [~km <sup>2</sup> ]	CAT II [year]	Cat II area total / remaining [~km <sup>2</sup> ]	CAT I & II total [~km <sup>2</sup> ]	CAT III [year]	Cat III area remaining [~km <sup>2</sup> ]	Cat III area total [~km <sup>2</sup> ]
Denmark	2013	3 073 / 0	2030	12 085 / 5 457	21300	not specif		
Estonia	2015	5 960 / 0	< 2028	25 651 / 9 065	31611	≤ 2023	4 060	4320
Finland	2016	22 321 / 0	2016	28 678 / 0	51000	2040	21 000	31042
Germany	2019	XXX / 230	2025	XXX / 950	15400	not applic	0	0
Latvia	2015	2 500 / 0	2022	6109 / 1376	8609	2045	20 500	20500
Lithuania	2019	1 569 / 1	2025	1 823 / 1 141	3400	2039	2 736	3041
Poland	2021	4 343 / 1 403	2020	906 / 153	5249	2039	19964	24180
Russia	2018		2018		1200	2017		
Sweden	2022	48 568 / 1 491	2022	69 538 / 15 421	118 106	not specif	39 000	



An informal goal is to have Cat I & II areas relevant for commercial shipping completed by end of 2020.



## C.1.1 Raising awareness on Southeast Baltic Sea

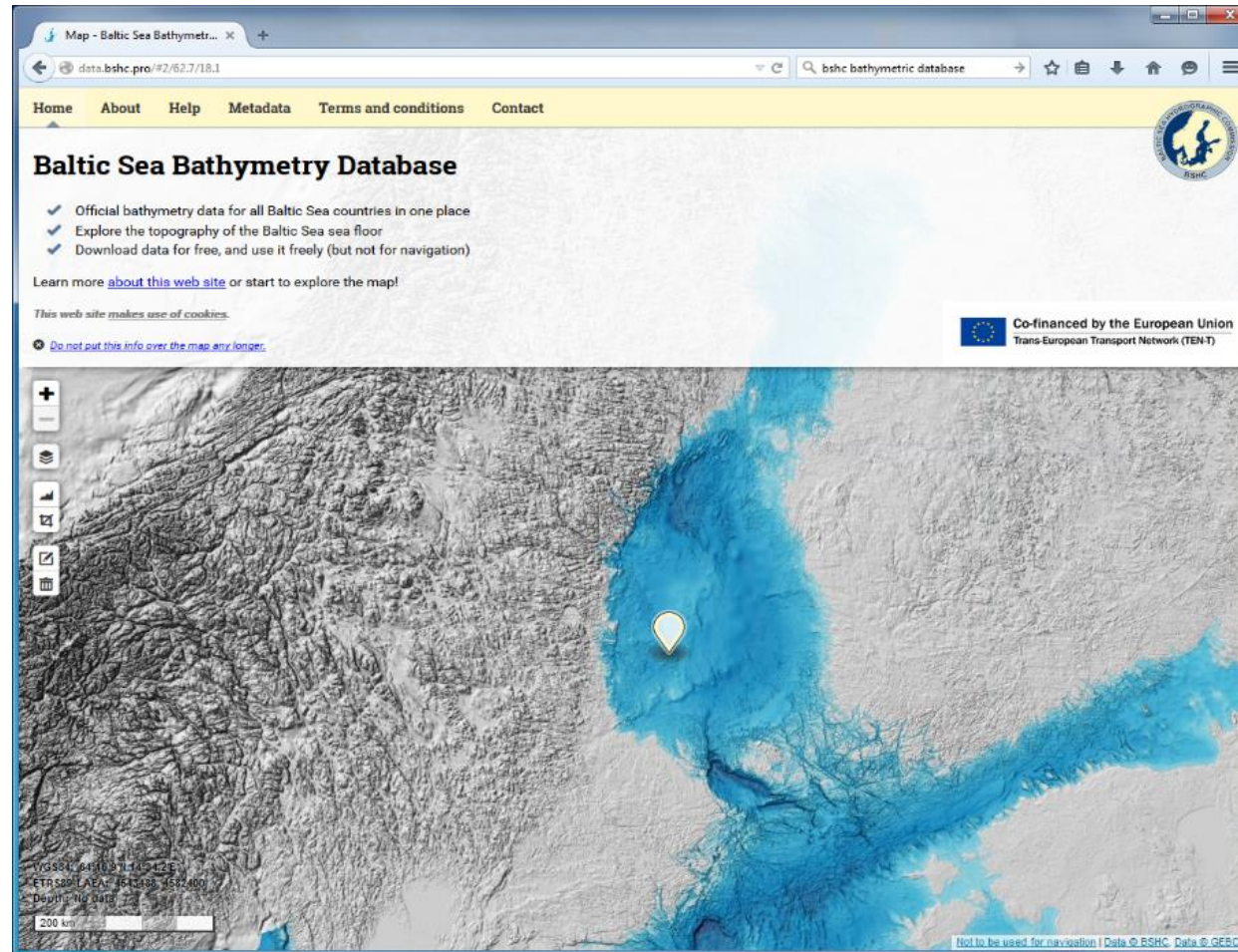


# C.1.1 BSHC Baltic Sea Bathymetric Database

## Open data

The BSHC database is updated about 1-2 times annually by the Member States, as new data has been surveyed and verified.

<http://data.bshc.pro>





# C.1.2 HELCOM Re-Survey Scheme Assessment Report for HELCOM Maritime 19 (24.-26.9.2019 Lisbon)

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

- ~96% of Cat I areas and ~77% of Cat II areas are completed by end of 2018, having 2 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 55.000 km<sup>2</sup>;
  - EU Grants have speeded up the surveys so far with extra 63.000 km<sup>2</sup> completed (EE, FI, LV, LT, SE) with **32 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;





# C.1.2 HELCOM Re-Survey Scheme Assessment Report for HELCOM Maritime 19 (24.-26.9.2019 Lisbon)

HELCOM Maritime 18 (Hamburg, 2018) stated, that Re-Survey Scheme is coming to it's completion (in 2020 and therefore removed from BS Action Plan). At HELCOM Maritime 18 MWG Chair Seppo Mäkinen presented the then current status and informed of an assessment report to be presented at HELCOM Maritime 19.

BSHC MWG discussed the Scheme at its' meeting 19 in Tallinn of an update to the Scheme to include CAT III areas and therefore a possibility to include the updated Scheme to the new Baltic Sea Action Plan (2021). This would give the Re-Survey work necessary political backbone also at EU SBSR and for applying EU Grants.

MSs to inform their HELCOM Maritime HODs of possible proposal / support to include updated Re-Survey Scheme to updated BS Action Plan?

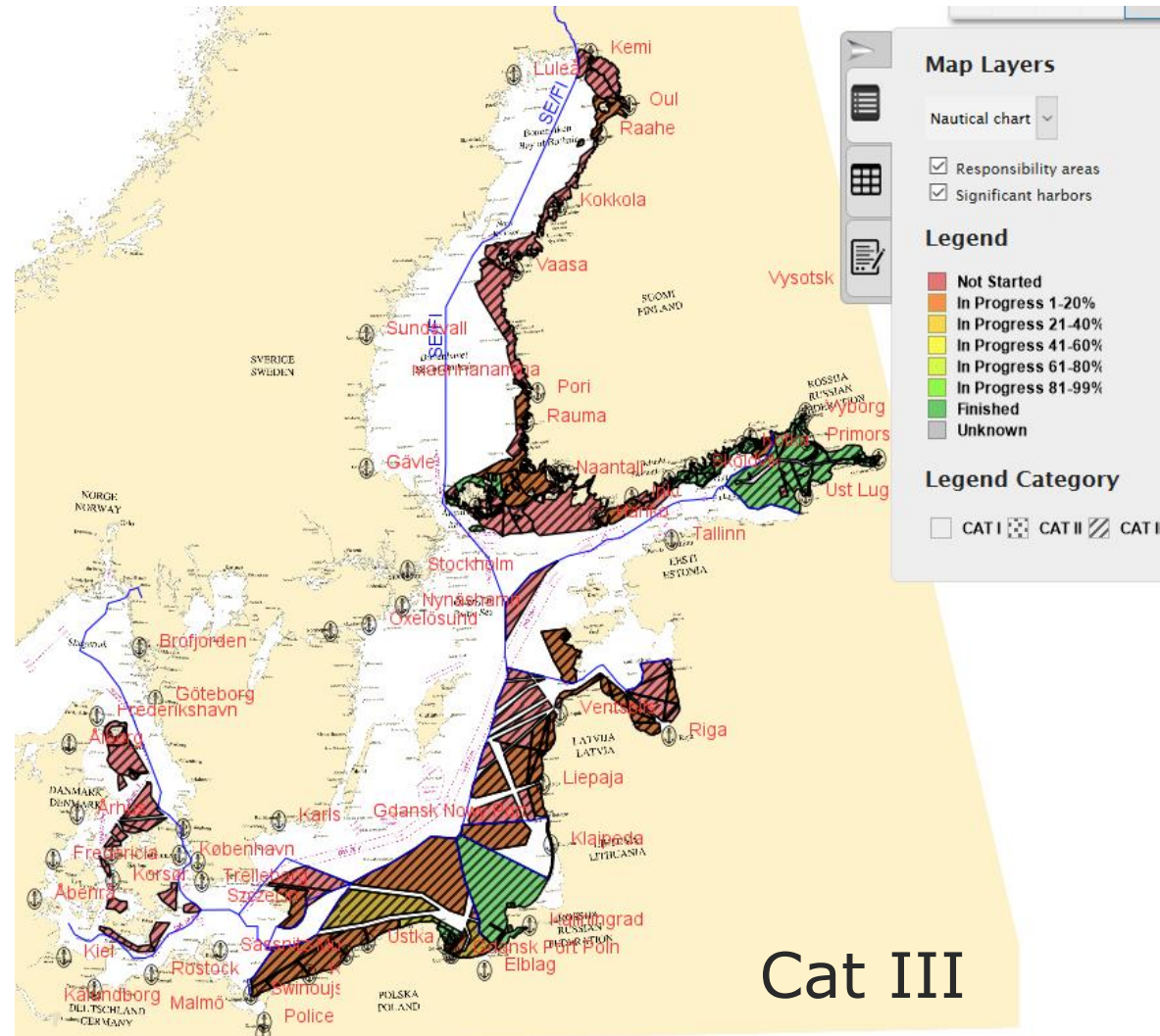


## C.1.2 Cat III areas at <https://helcomresurvey.sjofartsverket.se/>

BSHC24 decides on the possible update of HELCOM Re-Survey Scheme to include Cat III areas and the respective timetable, due ~June 30, 2020 -> BSHC25 -> HELCOM Maritime 20

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

HELCOM Maritime 19 is asked to consider this updated Re-Survey Scheme as part of the new Baltic Sea Action Plan 2021



# C.1.3 BSHC24 letter to IHO HSPT on S-44 ed6 draft 1.7

BSHC MWG has discussed thoroughly the HSPT drafting work on S-44 ed6. MWG has been fortunate as Jean-Guy Nistad (DE), Anders Åkerberg (SE) and Hans Öiås (SE) have participated to HSPT work and kept MWG informed of the progress.

## Positive findings:

- ✓ Satisfaction on Matrix approach;
- ✓ Full coverage requirement on Order 1a and Special Order
- ✓ Text taking into account the entire S-44 document, not just the matrix and table;

## Items that need attention:

- To include a more stringent Order (e.g. Exclusive Order) for those MSs, who may use it;
- Other IHO documents need badly to be updated;

Member States have the opportunity to comment also themselves to HSPT, deadline being 31.10.2019.





# C1 BSHC24 is invited to

1. note these Reports;
2. approve the HELCOM Re-Survey Scheme assessment report to be presented to HELCOM Maritime 19;
3. Decide on the continuation of the HELCOM Re-Survey Scheme, to be presented to HELCOM Maritime 19 (see item C.1.2):
  - a. Continue work as for now. The Cat I & II areas to be estimated to be completed by 2030 and Cat III areas within national resources and timetables;  
**or**
  - b. Mandate MWG to update the HELCOM Re-Survey Scheme to include the Cat III areas and to estimate a timetable for the work – **MWG proposes this (?) and encourages MS to inform their HELCOM Maritime Head of Delegations to propose / support to include Re-Survey Scheme as part of the updated BS Action Plan (2021)**
4. endorse the MWH regional discussion group stand on the IHO S-44 HSPT ed 6 draft. (see item C.1.3);



# C1 BSHC24 is invited to

5. encourage member states to study and define Cat I & II areas in their waters based on the existing AIS-information on commercial shipping;
6. encourage member states to perform re-surveys in areas of commercial shipping
7. encourage member states to participate actively to MWG work
8. give further guidance to MWG, as seen appropriate





Liikenne- ja viestintävirasto

# Thank You

[Seppo.makinen@traficom.fi](mailto:Seppo.makinen@traficom.fi)

[www.traficom.fi](http://www.traficom.fi)

@TraficomFinland