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- Status of Baltic Sea Re-survey Scheme
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## Status of MWG Work

## MWG Work since BSHC 17<sup>th</sup> Conference

### MWG TORs – no changes

#### Terms of Reference

- 1.1 To maintain the Baltic Sea Harmonised Re-survey Scheme
- 1.2 To maintain the re-survey metadata database
- 1.3 To follow up the implementation 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 The MWG should report to the BSHC at least once a year.

## MWG Work since BSHC 17<sup>th</sup> Conference

### National database Operators – some changes

#### MWG Members – some changes

Country	Org.	Name
Denmark	GST	Cdr Lars Hansen
Denmark	GST	Cdr Jesper Vedel
Denmark	GST	Mr Peter Ladegaard Sørensen
Estonia	HO	Mr Peeter Väiling
Finland <sup>1</sup>	HO	Mr Juha Korhonen
Finland	HO	Mr Jukka Varonen
Germany <sup>2</sup>	HO	Mr Thomas Dehling
Latvia	HO	Mr Juris Rizovs
Latvia	HO	[Armands Murans]
Lithuania	HO	Mr Mindaugas Zakarauskas
Poland	HO	Junior Cdr Adam WOŹNICKI
Poland	HO	[Lt. Cmdr. Marcin BANASZAK]
Russia	DNO	Capt Leonid Shalnov
Sweden	HO	Mr Ulf Olsson
Sweden	HO	Mr Tomas Holmquist

Country	Org.	Name
Denmark	GST	Cdr Lars Hansen
	GST	Cdr Jesper Vedel
	GST	Ms Sussie von Qualen
	GST	Ms Lis Gram
Estonia	HO	Dr Jaan Lutt
		Mr Peeter Väiling
Finland	HO	Mr Pentti Junni
		Mr Juha Korhonen
		Mr Jyrki Mononen
Germany	HO	Mr Thomas Dehling
		Mr Jürgen Monk
		Ms Anke Reisch
Latvia	HO	Mr Juris Rizovs
		Mr Janis Sverzickis
Lithuania	HO	Mr Mindaugas Zakarauskas
Poland	HO	Junior Cdr Adam WOŹNICKI
		Lt. Cmdr. Marcin BANASZAK
Russia	DNO	Mr Alexey Glasko
Sweden	HO	Mr Ulf Olsson
		Mr Tomas Holmquist
		Ms Renée Modigh
		Mr Sven-Öje Martinsson

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## MWG Work since BSHC 17<sup>th</sup> Conference

Updating Re-survey database – all have been active

Re-survey database – worked well

MWG10 Meeting 20 March 2013 – prepared reporting to HELCOM MM2013

E-mail communication – to BSHC and MWG

Chair participated HELCOM MARITIME and EUSBSR SC meetings – very positive feedback

Last update date	
[by 27.8.2013]	
Denmark	30.5.2013
Estonia	13.12.2012
Finland	15.8.2013
Germany	8.3.2013
Latvia	16.8.2013
Lithuania	25.3.2012
Poland	25.3.2013
Russia	15.2.2013
Sweden	15.1.2013

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## MWG proposed Work Programme for 2013 - 2014

No	Task	Resp.	Priority	Remarks/Status
A.1	MWG to report via BSHC to HELCOM MM2013	Chair	High	
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	
B.3	MWG Members to take necessary harmonisation actions between countries	All	High	
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	
C.2	To contribute to IHO C-55 development and harmonise the developments	Chair/ BSHC Chair	Medium	
D.1	To liaise with other relevant organisations (HELCOM, NMAs, NSHC, ...)	Chair	Medium	
D.2	To report to BSHC yearly	Chair	High	
D.3	To write articles (IHR, ...)	Chair	Medium	

**Note:** The outcome of HELCOM MM2013 may initiate other tasks for MWG

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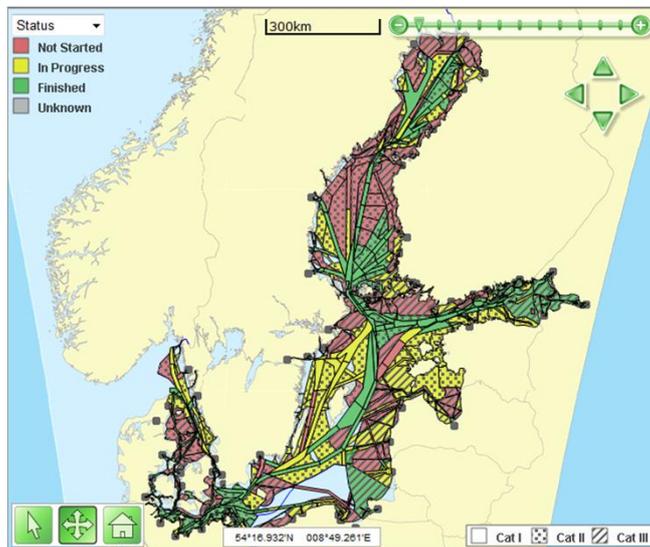
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Finnish Transport Agency

## Status of Baltic Sea Harmonised Re-Survey Scheme

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### Baltic Sea Harmonised Re-Survey Scheme



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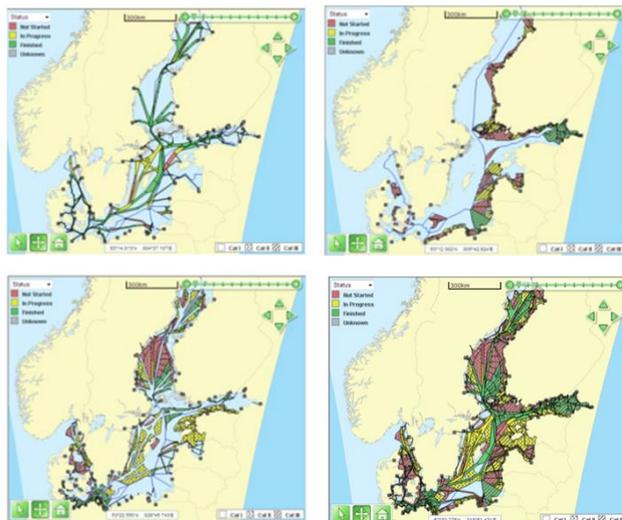
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### Baltic Sea Harmonised Re-Survey Scheme



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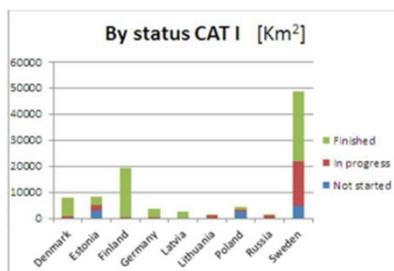
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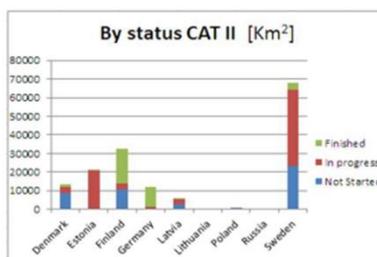
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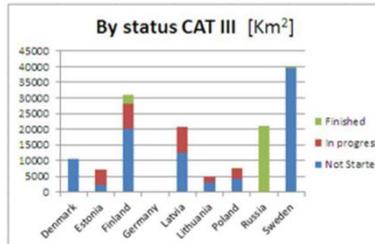
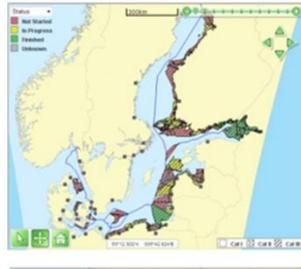
## Baltic Sea Harmonised Re-Survey Scheme



## Baltic Sea Harmonised Re-Survey Scheme

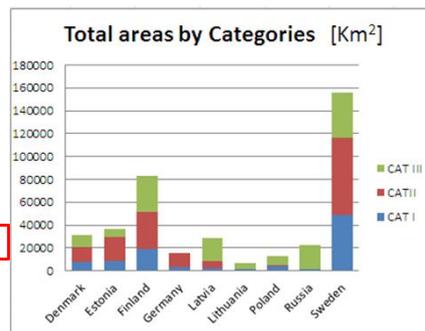


## Baltic Sea Harmonised Re-Survey Scheme



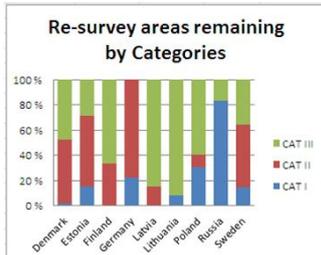
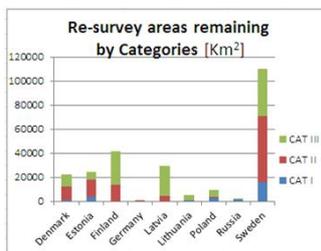
## Baltic Sea Harmonised Re-Survey Scheme

	Total areas by Categories [Km²]			Total
	CAT I	CAT II	CAT III	
Denmark	7690	13204	10620	31514
Estonia	8362	20766	6999	36127
Finland	19156	32442	31037	82635
Germany	3454	11895	0	15349
Latvia	2481	5668	20684	28833
Lithuania	1585	26	4819	6430
Poland	4367	892	7582	12841
Russia	1143	8	21053	22204
Sweden	48572	68157	39462	156191
<b>Total</b>	<b>96811</b>	<b>153057</b>	<b>142255</b>	<b>392124</b>
%	25	39,0	36,3	100



### Baltic Sea Harmonised Re-Survey Scheme

Re-survey areas remaining by Categories [Km <sup>2</sup> ]				
	CAT I	CAT II	CAT III	Total
Denmark	382	11454	10620	22466
Estonia	3716	13873	6950	24539
Finland	258	13544	27352	41154
Germany	171	607	0	778
Latvia	0	4555	25062	29617
Lithuania	429	0	4698	5127
Poland	2855	892	5489	9236
Russia	1130	8	221	1359
Sweden	16039	54717	39422	110178
<b>Total</b>	<b>24981</b>	<b>99660</b>	<b>119814</b>	<b>244454</b>
%	10	40,8	49,0	-



### Baltic Sea Harmonised Re-Survey Scheme

Country	CAT I	CAT II	CAT III	Remarks
Denmark	2013	2030	Not spec	
Estonia	2018	2028	2032	
Finland	2015	2015	2030	
Germany	2019	2025	N/A	Periodical 5 – 25 years
Latvia	2010	2022	2045	
Lithuania	2016	2010	2036	
Poland	2015	2017	2020	Periodical 5 – 25 years
Russia	2018	2018	2017	
Sweden	2020	2020	Not spec	
Latest year	2020	2030	See Notes	

Reporting to HELCOM Ministerial Meeting  
3 October 2013



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**HELCOM** MINISTERIAL MEETING **COPENHAGEN**  
**3 OCTOBER 2013**

How to best join efforts and pool resources for the Baltic common vision?



Committing to do more for the Baltic Sea

[http://www.helcom.fi/Ministerial2013/en\\_GB/MM2013intro/](http://www.helcom.fi/Ministerial2013/en_GB/MM2013intro/)

17 September 2013 18 BSHC18, 16-18 September 2013, Tallinn, Estonia [www.fta.fi](http://www.fta.fi)



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## HELCOM Ministerial Meeting 3 October 2013

### Summary

The Ministers of the Environment of all the nine Baltic coastal states and the EU Commissioner will again gather to discuss the status and the future of the Baltic Sea:

- How is the Baltic Sea ecosystem doing?
- Are we on the right track to reach good environmental status?
- What do we need to do next for a healthy Sea?
- How to best join efforts and pool resources for the Baltic common vision?

The outcome of the Ministerial Meeting in 2013 is expected to revolve around the still unsatisfactory status of the Baltic Sea; the ecosystem approach underpinning blue economy and green growth, the opportunities for more coherent policies and implementation, as well as generally committing to do more for a healthier Baltic Sea.



## HELCOM Ministerial Meeting 3 October 2013

### Provisional agenda

The Meeting will start at 9:00 and will terminate at 13:30 o'clock, at Eigtveds Pakhus (Asiatisk Plads 2G), Copenhagen, Denmark.

- 1 - Opening of the Meeting and welcoming statement by Danish Minister for the Environment
- 2 - Adoption of the Agenda
- 3 - Presentation of the draft Declaration and introduction to the Ministerial debate
- 4 - Statements by HELCOM Observers and International Financial Institutions
- 5 - Ministerial debate and adoption of the HELCOM Copenhagen Ministerial Declaration
- 6 - Closure of the Meeting

Press Conference will be held at 12:45-13:30



HELCOM Ministerial Meeting 3 October 2013  
Draft HELCOM Ministerial Declaration

**Taking Further Action to Implement the Baltic Sea Action Plan**

**- Reaching Good Environmental Status for a healthy the Baltic Sea**

Declaration of the Ministers of the Environment of the Baltic Coastal Countries and the EU  
Environment Commissioner, HELCOM Copenhagen Declaration 2013

Draft Declaration is an extensive document:

- Adoption of 8 issues
- Annex has some 70 - 80 statements

Shipping and activities at sea

Safety of navigation

- 2 issues for hydrographic surveys



HELCOM Ministerial Meeting 3 October 2013  
Draft Declaration text regarding re-surveys

Shipping and activities at sea  
Safety of navigation

15 (M). RECALLING the HELCOM Copenhagen 2001, Krakow 2007 and Moscow 2010 commitments on hydrographic re-surveys and COMMENDING WITH APPRECIATION the subsequent substantial progress made in systematic re-surveying of major shipping routes and ports in the region according to the HELCOM-BSHC Re-survey Scheme aimed at ensuring that safety of navigation in the Baltic Sea region is not endangered by inadequate source information, ADOPT the HELCOM-BSHC Harmonised Re-survey Scheme 2013, with time schedule estimations and funding arrangements, bearing in mind that these are likely to be modified when new national needs or priorities arise;

16 (M). AGREE to take actions to ensure the completion of the re-surveys for areas used by navigation (CAT I and II) within the time schedules estimated in the 2013 Re-survey Scheme, to promote wider use of accurate and reliable depth information by e.g. developing existing and/or new products including an enhanced and freely accessible Baltic Sea Depth Model, and to foster CAT III re-surveys of other areas not primarily for safety of navigation purposes e.g. for environmental protection.



## HELCOM Ministerial Meeting 3 October 2013 Draft HELCOM Ministerial Declaration

### WE ADOPT

- HELCOM Recommendation on Safeguarding important bird habitats and migration routes in the Baltic Sea from negative effects of wind and wave energy production at sea;<sup>7</sup>
- the Regional Baltic Maritime Spatial Planning Roadmap 2013-2020<sup>8</sup>;
- HELCOM Recommendation 3XE/X on measures aimed at reduction of discharges from fresh water and marine aquaculture;<sup>9</sup>
- HELCOM Recommendation XXX to further test and develop the concept of pro-active route planning as well as other e-navigation solutions to enhance safety of navigation and protection in the marine environment in the Baltic Sea Region;<sup>10</sup>
- the HELCOM-BSHC Harmonised Re-survey Scheme 2013, with time schedule estimations and funding arrangements, bearing in mind that these are likely to be modified when new national needs or priorities arise;
- HELCOM Recommendation XX/X "Amendments to Annex VII Response to Pollution Accidents of the 1992";
- the HELCOM Response Manual Volume III "Response to Pollution Incidents on the shore";
- the HELCOM Recommendation xx/yy on airborne surveillance with remote sensing equipment in the Baltic Sea Area;

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## HELCOM Ministerial Meeting 3 October 2013 Draft HELCOM Ministerial Declaration

**WE ALSO DECIDE<sup>21</sup>** on the further general and specific approaches, actions and measures to be undertaken by the Contracting Parties and HELCOM as included in the Annex.

### Annex: Shipping and activities at sea Safety of navigation

- 13 (M). RECALLING the HELCOM Copenhagen 2001, Krakow 2007 and Moscow 2010 commitments on hydrographic re-survey and COMMENDING WITH APPRECIATION the subsequent substantial progress made in systematic re-surveying of major shipping routes and ports in the region according to the HELCOM-BSHC Re-survey Scheme aimed at ensuring that safety of navigation in the Baltic Sea region is not endangered by inadequate source information;
- 13 (M) AGREE to take actions to ensure the completion of the re-surveys for areas used by navigation (CAT I and II) within the time schedules estimated in the 2013 Re-survey Scheme, to promote wider use of accurate and reliable depth information by e.g. developing existing and/or new products including an enhanced and freely accessible Baltic Sea Depth Model, and to foster CAT III re-surveys of other areas not primarily for safety of navigation purposes, e.g. for environmental protection;

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HELCOM Ministerial Meeting 3 October 2013  
Draft Declaration text

15 (M). **RECALLING** the HELCOM Copenhagen 2001, Krakow 2007 and Moscow 2010 commitments on hydrographic re-surveys and

**COMMENDING WITH APPRECIATION** the subsequent substantial progress made in systematic re-surveying of major shipping routes and ports in the region according to the HELCOM-BSHC Re-survey Scheme aimed at ensuring that safety of navigation in the Baltic Sea region is not endangered by inadequate source information,

**ADOPT the HELCOM-BSHC Harmonised Re-survey Scheme 2013**, with  
**time schedule estimations** and  
**funding arrangements**,

bearing in mind that these are likely to be modified when new national needs or priorities arise;

HELCOM Ministerial Meeting 3 October 2013

Draft Declaration text

**AGREE to take actions to ensure the completion of the re-surveys for areas used by navigation (CAT I and II)**

within the time schedules estimated in the 2013 Re-survey Scheme,

**to promote wider use of accurate and reliable depth information** by e.g.

developing existing and/or new **products**

including an enhanced and freely accessible Baltic Sea **Depth Model**,

and to **foster CAT III re-surveys** of other areas not primarily for safety of navigation purposes, e.g. for environmental protection.

# HELCOM Ministerial Meeting 3 October 2013

## Documents for adoption

So far, the ongoing negotiation process has resulted in an agreement on a number of new proposals, to be forwarded for the Ministers to discuss and adopt:

Title of the proposal	Concerned section in Ministerial Declaration	Brief description
<a href="#">PALETTE OF MEASURES FOR REDUCING PHOSPHORUS AND NITROGEN LOSSES FROM AGRICULTURE</a>	Nutrient pollution from air and waterborne sources on land, including agriculture	The Palette contains technical, managerial and legislative measures, based on best available knowledge and sought to help in implementation of HELCOM provisions through e.g. review and further implementation of programmes for river basin management.
<a href="#">JOINT HELCOM/OSPAR GUIDELINES ON THE GRANTING OF EXEMPTIONS UNDER THE INTERNATIONAL CONVENTION FOR THE CONTROL AND MANAGEMENT OF SHIPS' BALLAST WATER AND SEDIMENTS, REGULATION A.4</a>	Shipping and activities at sea	As a part of the commitment "No introductions of alien species from ships", the management of the ships' ballast water plays an important part. In co-operation with the OSPAR Convention, HELCOM works towards a harmonised implementation of the 2004 International Convention for Control and Management of Ships' Ballast Water and Sediments (BWM Convention).
<a href="#">HELCOM MONITORING AND ASSESSMENT STRATEGY</a>	Marine knowledge, monitoring and assessment	The commonly followed strategy will imply a six-year monitoring and assessment cycle and streamline the joint regional assessments of the marine and coastal waters, as well as assist in reporting purposes under other international frameworks.
<a href="#">THE HELCOM-BSHC REVISED BALTIC SEA HARMONISED HYDROGRAPHIC RE-SURVEY SCHEME</a>	Shipping and activities at sea	The harmonized re-survey scheme helps to ensure that the safety of navigation in the Baltic Sea region is not endangered by inadequate information, through systematic re-surveying of major shipping routes and ports in the region.
<a href="#">HELCOM INVESTS SCHEME ON TECHNICAL AND OPERATIONAL ASPECTS OF SEWAGE DELIVERY TO PORT RECEPTION FACILITIES</a>	Shipping and activities at sea	The guidance on sewage delivery to port reception facilities assists to meet the IMO requirements after the 2011 designation of the Baltic Sea as a special area for discharge of sewage from passenger ships.
<a href="#">PROPOSAL REGARDING CHANGES TO ANNEX VII TO THE HELSINKI CONVENTION</a>	Preparedness and response to pollution at sea and on the shore	The changes will improve regional co-operation to meet the agreed common objective of "Efficient emergency and response capability", especially when introducing coastal planning and regional agreements on co-operation in response actions.
<a href="#">HELCOM RESPONSE MANUAL VOLUME III RESPONSE TO POLLUTION INCIDENTS ON THE SHORE</a>	Preparedness and response to pollution at sea and on the shore	The new regional HELCOM response manual defines a common approach on how to plan and carry out international combating operations for response on the shore in the Baltic Sea region.
<a href="#">DRAFT REVISED HELCOM RECOMMENDATION 12 ON AIRBORNE SURVEILLANCE WITH REMOTE SENSING EQUIPMENT IN THE BALTIC SEA AREA</a>	Preparedness and response to pollution at sea and on the shore	The revision will further assist to establish a harmonised satellite and aerial surveillance covering the whole Baltic Sea area to improve detection of illegal oil spills in the Baltic, as well as encourage development and use of innovative and cost-effective, integrated surveillance sensors permitting fast and reliable identification of pollutants on the sea surface and in the water column as well as emitted by ships to the air.

Link



## Document for adoption

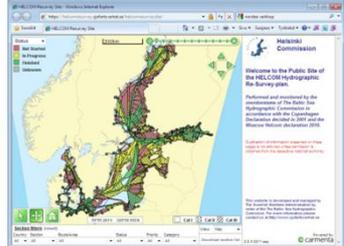



### The BSHC-HELCOM Revised Baltic Sea Harmonised Hydrographic Re-Survey Scheme

The HELCOM Ministerial Declarations in 2001 and 2010 requested the Baltic Sea countries jointly to develop a scheme for systematic re-surveying of the areas used by shipping in order to ensure that safety of navigation is not endangered by inadequate source information". The Baltic Sea countries are to present their national re-survey plans by 2013 including time schedule estimations and plans for sufficient funding for re-surveys.

All Baltic Sea countries are committed to the Baltic Sea Harmonised Re-survey Scheme. This work is coordinated by the Baltic Sea Hydrographic Commission (BSHC) of the International Hydrographic Organisation.

The BSHC has developed the revised Re-survey Scheme. The Scheme is available on the internet <http://helcomsurvey.sjofartsverket.se/helcomresurveysite/>. See Figure below.



The Hydrographic Offices of Denmark, Estonia, Finland, Germany, Latvia, Lithuania, Poland, Russian Federation and Sweden have developed this Scheme during 2002 - 2013.




There are still extensive areas to be resurveyed, as can be seen on the Fig.1 and Table 1 below.

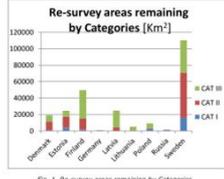


Fig. 1. Re-survey areas remaining by Categories.

Country	CAT I	CAT II	CAT III	Remarks
Denmark	2013	2010	Not spec.	
Estonia	2018	2018	2012	
Finland	2015	2015	2010	
Germany	2019	2020	N/A	Periodical 5 - 25 years
Latvia	2010	2021	2045	
Lithuania	2015	2010	2041	
Poland	2015	2017	2020	Periodical 5 - 25 years
Russia	2018	2018	2017	
Sweden	2020	2020	Not spec.	
Latest year	2020	2030	See Note	

Table 1: Summary of time schedules of National Re-survey Schemes.

The BSHC Members have a clear goal to complete the re-surveys of areas for safety of navigation (CAT I and II) by 2030. The re-surveys are mainly funded by national budgets. Contracting Parties agree to take actions to ensure that there will be sufficient funding available for completing the re-surveys of areas for safety of navigation purposes in estimated time schedules.

The main details and statistics of the Harmonised Re-survey Scheme are described in the Annex 1.

Document for adoption – Annex 1

The image displays six pages from a report titled 'Report of the 18th Baltic Sea Hydrographic Commission (BSHC18)'. The pages are arranged in a 2x3 grid. The top-left page is the title page, 'Annex 1 Report of the 18th Baltic Sea Hydrographic Commission (BSHC18)'. The top-middle page contains a 'Summary' section with a list of 'Benefits of the survey' and 'Recommendations'. The top-right page shows a map of the Baltic Sea with various survey tracks and data points. The bottom-left page features a table with columns for 'Year', 'Area', 'Depth', and 'Number of soundings', along with a bar chart. The bottom-middle page contains several maps and charts showing survey results for different areas. The bottom-right page is a 'List of the Survey Plans' with a table of details for various survey areas.

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# Actions requested from the BSHC18 Conference



Finnish Transport Agency

## BSHC18 Conference is requested to

- take note on this Report
- endorse the reporting to HELCOM Ministerial Meeting  
3 October 2013
- approve the proposed MWG Work Programme 7.0 for  
2013 – 2014
- give further guidance to the MWG, as seen appropriately

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Thank you!

Juha.Korhonen@fta.fi

Liikennevirasto

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