Agenda Item F1

HELCOM/BSHC Harmonised Hydrographic Re-survey Scheme

Report to the BSHC 14th Conference

By the BSHC Monitoring Working Group

16 September 2009 Juha Korhonen



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- 2. Status of re-surveys
- 3. Revision of re-survey scheme
- 4. Status of re-survey database
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TORs for the MWG

- 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

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Work of MWG

- MWG membership some changes
- National Database operators no changes
- Re-surveys continued database updated
- Reported to IRRC-1, HELCOM
- EU Strategy for the Baltic Sea Region
- MWG Meeting on 16 June 2009
- Liaison with NSHC Re-survey WG
- Major revision in progress
- Database development delayed

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MWG Members:

Country	Org.	Name
Denmark	RDANH	Cdr Lars Hansen
Denmark	RDANH	LtCdr. Jesper Vedel
Denmark	KMS	Mr. Peter Ladegaard Sørensen
Estonia	НО	Dr. Jaan Lutt
Finland	НО	Mr. Juha Korhonen, Chair
Germany	НО	Mr. Thomas Dehling, Vice-Chair
Latvia	НО	Mr. Janis Krastins
Lithuania	НО	Mr. Mindaugas Zakarauskas
Poland	НО	Capt. Wieslaw Bielinski
Poland	НО	Lt.Cdr Marek Szatan
Russia	HDNO	Capt. Leonid Shalnov
Sweden	НО	Mr. Bengt-Åke Larsson/ Mr. Magnus Hovberg

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National Database Operators:

Country	Org.	Name	
Denmark	RDANH	Cdr Lars Hansen	
Denmark	RDANH	LtCdr Jesper Vedel	
Denmark	KMS	Mrs. Lis Gram	
Estonia	НО	Dr. Jaan Lutt	
	НО	Mr. Peeter Väling	
Finland	НО	Mr. Pentti Junni	
		Mr. Juha Korhonen	
Germany	НО	Mr. Thomas Dehling	
Latvia	НО	Mr. Juris Rizovs	
Latvia	НО	Mr. Janis Sverzickis	
Lithuania	НО	Mr. Mindaugas Zakarauskas	
Poland	НО	Capt. Wieslaw Bielinski	
	НО	LtCdr Marek Szatan	
Russia	HDNO	Capt. Maksim Valchuk	
Sweden	НО	Mr. Bengt-Åke Larsson	
	НО	Ms. Renée Modigh	
	НО	Ms. Anna Jansson	

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MWG Work Program

- MWG Work Program 5.2
- Approved by BSHC 13th Conference in August 2008
- Updated slightly at MWG Meeting on June 2009 (Task 4.3 added: Study possibilities to present resurveyed areas on nautical publications)
- Most of task are "Ongoing"
- Major delays in Tasks related to the database development

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Reporting to HELCOM Meetings:

13th Transit Route Expert Working Group (EWG13) 7-8.10.2008, Helsinki; Finland

3rd Baltic Sea Action Plan Implementation Group (BASP IG3)

14-15 October 2008, Tallinn, Estonia

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18-20 November 2008, St. Petersburg, Russia

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Main feedback from HELCOM Meetings:

- Re-surveys are important for safety of navigation
- Keen of the status of re-surveys
- Asked for clarifications to S-44, time schedules, conveying quality of surveys to mariners, ...
- Support to major revision of re-survey scheme
- Support to the MWG work
- Asked MWG to promote Hydrographic Offices to take contacts to Maritime Administrations
- Asked HELCOM to promote Maritime Administrations to advice Hydrographic Offices for defining re-survey areas and setting priorities
- To be reported at the <u>HELCOM MARITIME 8</u> Meeting in Germany on November 2009

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EU Strategy for the Baltic Sea Region

Action Plan of the EU Strategy for the Baltic Sea Region includes one Priority area "13. To become a leading region in maritime safety and security"

with a cooperative action "Ensure that vessels, in particular those transporting energy products and other dangerous cargo, are up to the highest maritime safety standards".

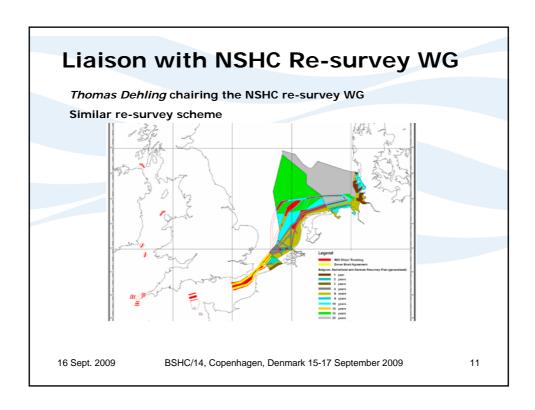
This has a flagship project:

"Speed up re-surveying for major shipping and ports", as agreed in HELCOM, in order to ensure that safety of navigation is not endangered by inadequate source information.

(Lead: HELCOM in cooperation with the International Hydrographic Organisation; Deadline for progress review: to be determined)."

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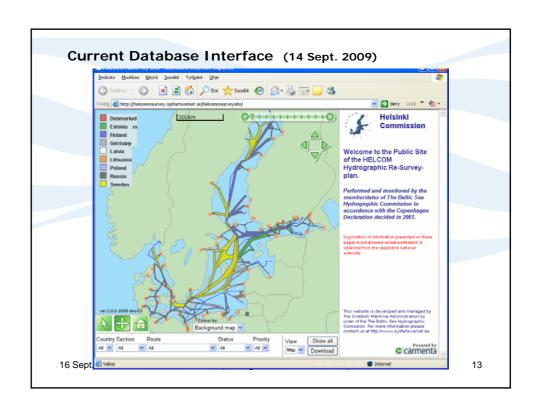


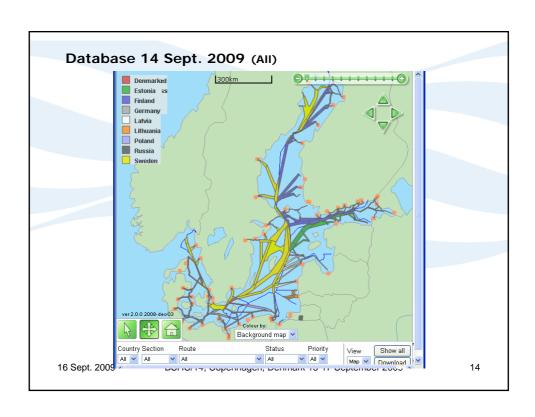
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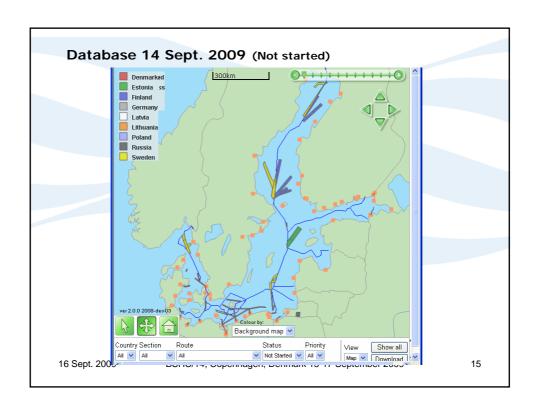
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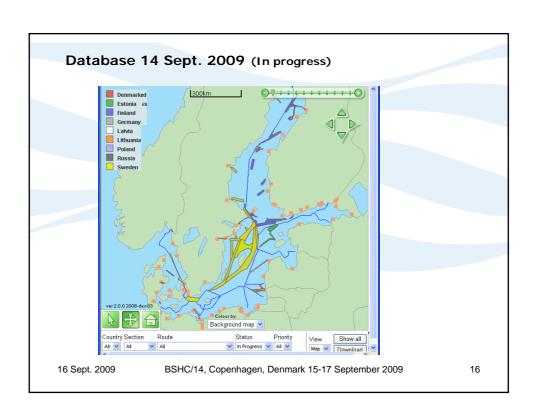
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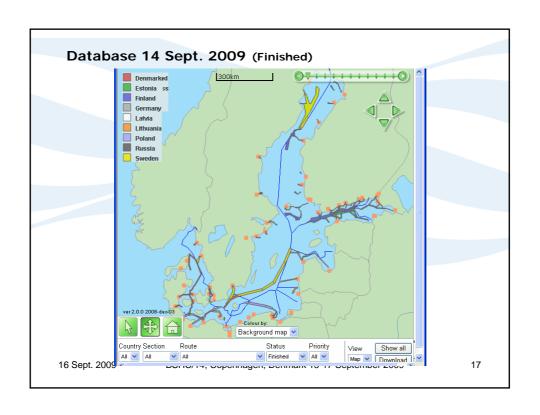
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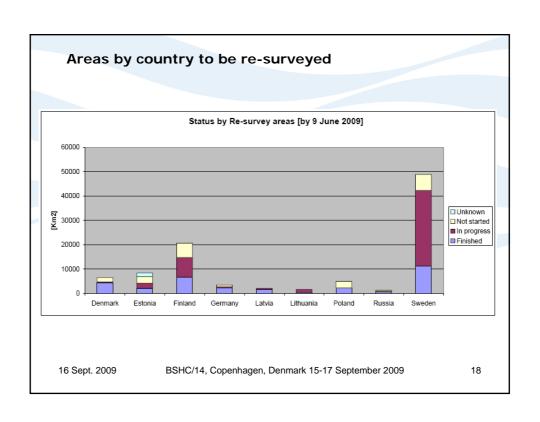


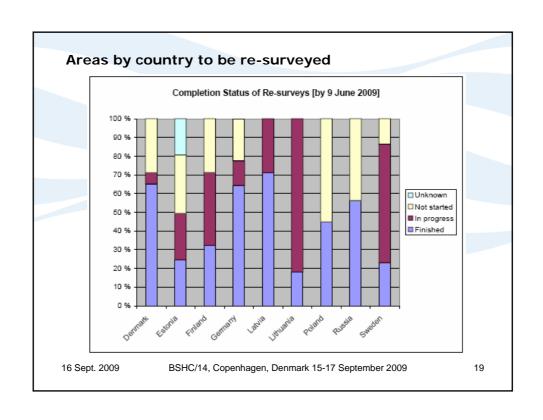












3. Status of re-surveys – Time estimations

By 9 June 2009 [Export]

Country	Estimated year for finishinr re-surveys	Remarks
Denmark	2013	
Estonia	2018	Missing info
Finland	2015	
Germany	2009	
Latvia	2008	
Lithuania	2012	
Poland	2007	Missing info
Russia	2004	Missing info
Sweden	2009	Missing info

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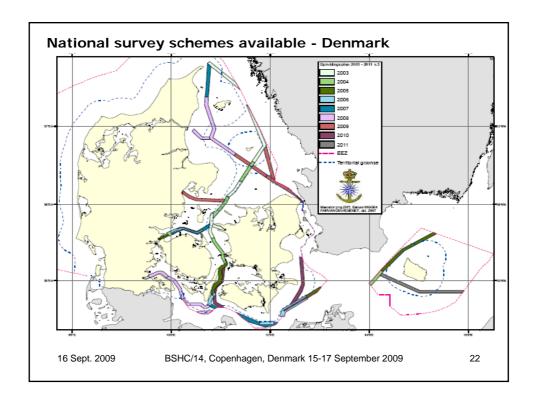
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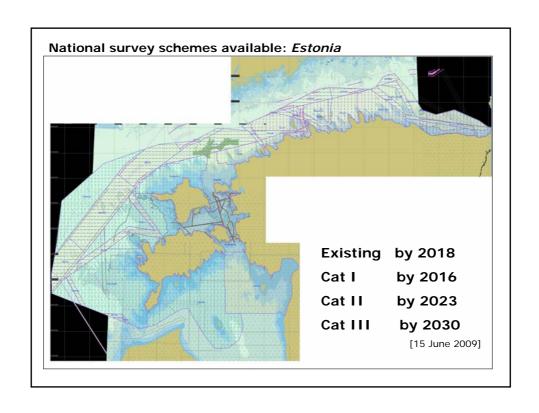
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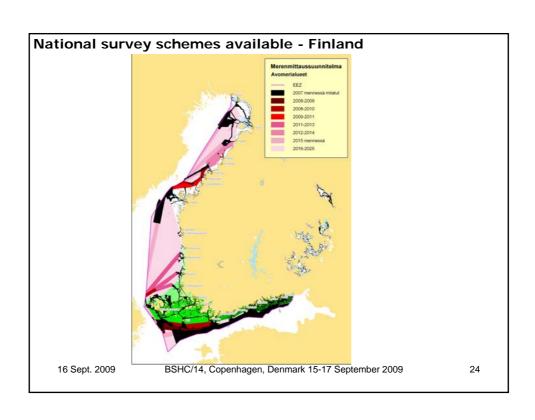
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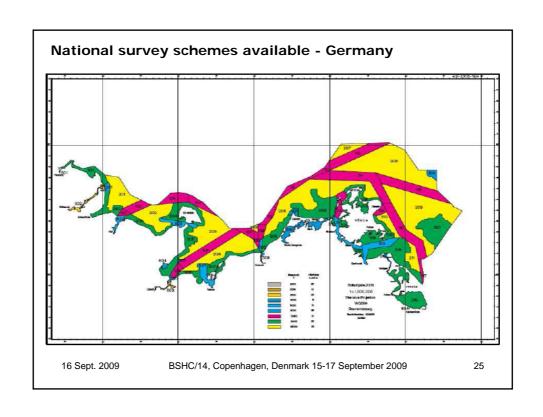
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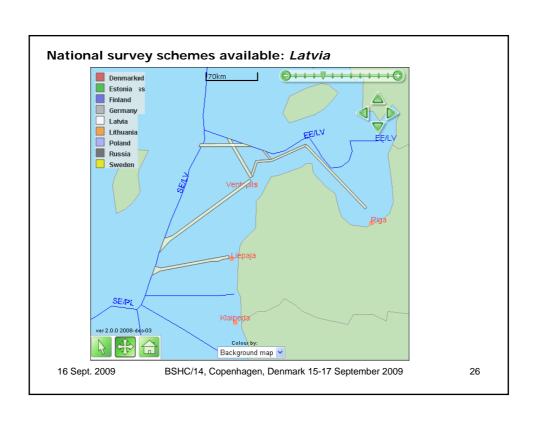
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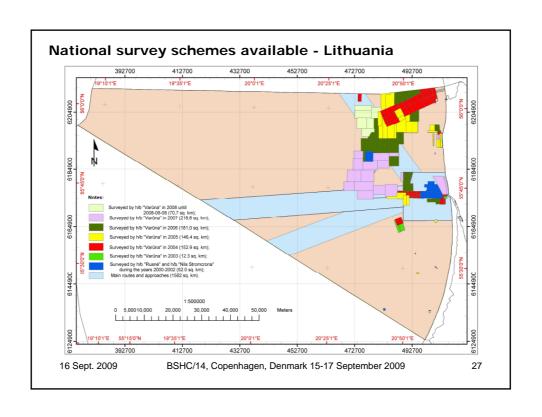


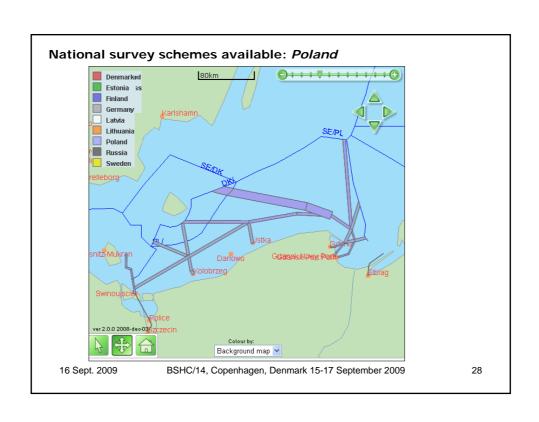


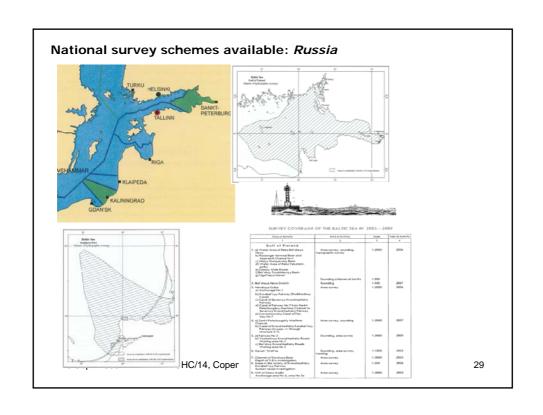


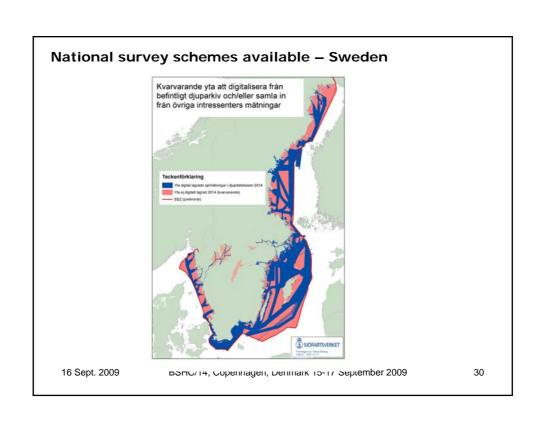


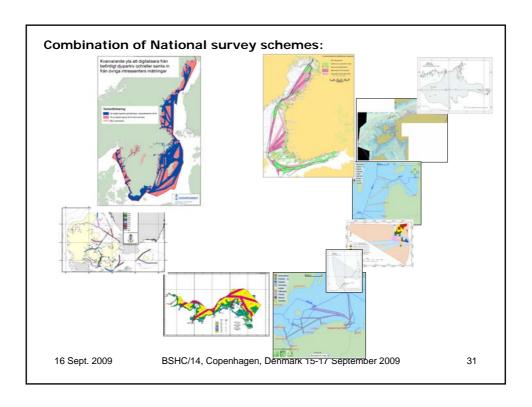












4. Revision of the re-survey scheme

Re-survey Scheme V.2 Vision:

The whole Baltic Sea area should be covered by a harmonised re-survey scheme.

The harmonised re-survey scheme is based on national resurvey schemes (and generalised if needed).

The re-survey areas should be specified in three Categories:

- <u>Cat A.1</u> current Scheme, e.g. for re-surveys specified by the HELCOM Copenhagen Declaration
- Cat A.2 extended routes and areas according to national re-survey schemes as specified for safety of navigation.
- <u>Cat B</u> extensions for other purposes than above (e.g. for environmental protection).

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4. Revision of the re-survey scheme

Re-survey Scheme V.2 Vision (Cont.):

Re-survey areas should be prioritized by each HO (using general guidance as in Chapter 2.5 in Re-survey Scheme Version 2.1.

A realistic time schedule for re-surveys or re-survey frequency (time interval between re-surveys) should be estimated by each HO. If the time estimations are beyond 20 - 25 years these may be left out.

Database will be modified and implemented by Sweden in 2009 to include the new attributes and their functionality to allow all HOs to load and maintain their own data in the database (including also geometry). Suitable printing capabilities will be developed. Necessary guidance will be provided.

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4. Revision of the re-survey scheme

Prioritized time schedules of Re-surveys:

Each HO is responsible for setting prioritised time schedules re-surveys under its responsibility.

Especially the following general principles should be considered:

- importance for international and regional traffic
- depth and expected shallows or obstructions
- quality and up-to-dateness of previous surveys (May include also re-survey intervals /frequencies between 10 - 25 years)
- · importance for other uses

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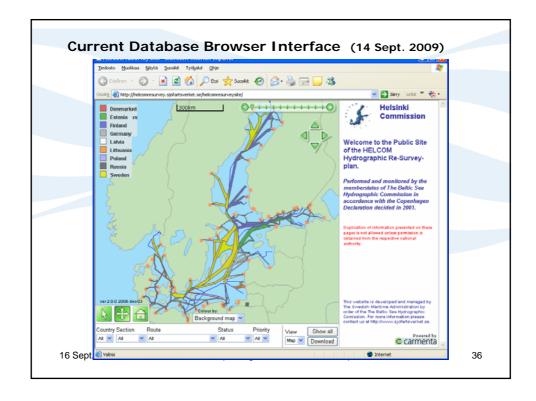
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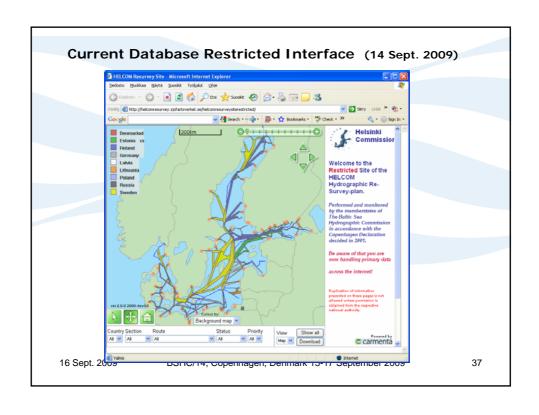
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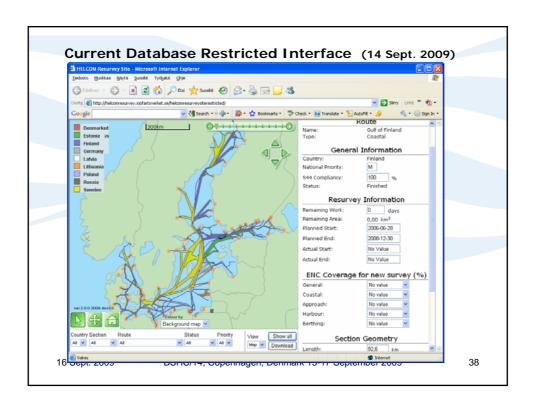
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Re-survey Database developing Tasks:

- Task 2.1 Sweden to develop the Version 2 of the resurvey database
- Task 2.2 Sweden to inform MWG on technical requirements for delivering data to Version 2 database
- Task 2.3 Sweden to move the existing database into the Version 2
- Task 2.4 All to forward their national schemes into Sweden to be included into the re-survey database

Database Development Plan

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Status of Re-survey Database development

- Sweden has kindly volunteered to develop and maintain the database and the user interface
- Developing the database and the user interface is delayed:
 - No all functionality available for HOs
 - · Background map needs to be revised
 - · No printing tools
 - No tools for including directly national schemes
 status of database on really updated
- Actions to overcome the problems in database development
- · Funding of future database development?

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Future Actions for the Working Group

MWG Meeting on 17 September 2009

- · to address the BSHC/14 outcome
- to demonstrate the use of Database and user interface Version 2
- to agree on future MWG actions
- HELCOM MARITIME meeting on November 2009
 - to report progress of re-surveys, revision of the Resurvey scheme and database development
 - · to report other BSHC harmonisation actions
 - · to propose some other hydrographic issues

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5. Actions requested for the BSHC 14th Conference

- endorse the MWG Report
- approve the of Re-survey Scheme V.2 Vision
- endorse the implementation of the revised Resurvey Scheme, Version 2.0.
- endorse the MWG Work Programme, Version 5.2
- · endorse the future MWG actions

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End of the presentation of the HELCOM/BSHC

Harmonised Hydrographic Re-survey Plan

Questions, comments?

Thank You!

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