FAMOS

Finalizing the Motorways of the Sea

— Surveying the Baltic Sea

Benjamin Hell

Hydrographic Office, Swedish Maritime Administration

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Co-financed by the European Union
Trans-European Transport Network (TEN-T)

Speed up re-surveying of major shipping routes and ports

MonaLisa
- E-navigation
- Surveying
- …

MonaLisa 2.0
- E-navigation

FAMOS
- Surveying remaining HELCOM Cat I & II

2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020

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Speed up
Re-surveying
Major shipping routes and ports

Which areas are most important for safe and efficient shipping?

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Motorways of the Sea

Juha Korhonen has already presented the HELCOM resurvey plan

Re-survey areas remaining by Categories [Km^2]

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HELCOM Copenhagen Ministerial Declaration

Taking Further Action to Implement the Baltic Sea Action Plan
- Reaching Good Environmental Status
for a healthy Baltic Sea

14 (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;

15 (M). WE 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;

-- Baltic Sea environmental ministers, Oct 2013

Speed up
Re-surveying
Major shipping routes and ports

What baseline does the “re-” refer to?

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Hoburgs
bank
KP750
KP770
Gas
What is this based on?

Yes, some of it *is* that old.

Modern measurements
“Historic” measurements
Industry data
Modern measurements
200m ship
Single sounding shoal
80
Cy
94
S Cy
55
26
28
67
35
28
G
60
23
89
19
18
S Cy
25
fS
S
18
16
S Cy
St
26
S
21
21

How it often looks today

- Safety of navigation: < ca. 15m
- Fuel efficiency of marine transports: < ca. 70m

- Marine spatial planning
- Environmental concerns
- Science
- …

Speed up

Re-surveying
Major shipping routes and ports

How can we reach the goal in a timely manner?

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What remains: Example Sweden

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Shallow areas, coastal waters: R/V Jacob Hägg
Ca. 2000 km² / year
Ca. 2 M€ / year

Swedish Cat I & II goal is realistic, with:

- **Co-financing to operate 24/7**
  → TEN-T call expected Q1/Q2 2014
- **Some externally tendered areas**
- **Estimated 43 M€ total cost**

Deepe
R/V B
Ca. 4000 km² / year
Ca. 4 M€ / year
@24/7

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Note:

This is the Swedish plan only. Participating countries are of course free to implement their own route to success.

Potential partnering countries

- Sweden
- Finland
- Estonia
- Latvia
- …hopefully more?

→ **contact SMA before Nov 30**

Ambition:

Finish surveying the Baltic Sea for the needs of safety of navigation

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