

National Report of Finland

[18 March 2013]

Executive Summary

This Report highlights only the main achievements of the Finnish Hydrographic Office in 2012.

More comprehensive reports have been presented and will be presented at BSHC Conferences. BSHC reports are available on IHO Web-pages under BSHC.

1. Finnish Hydrographic Office

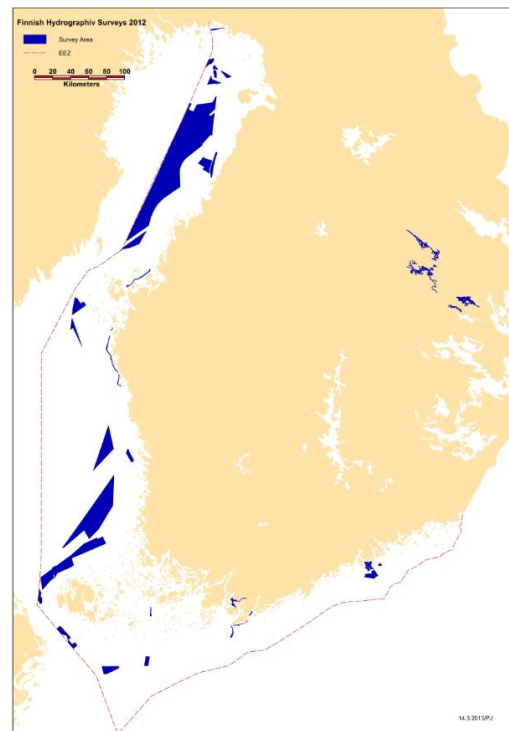
No major changes in organisation, staff or budget of the Hydrographic Office.

The FHO has working according to the Quality Management System. A yearly auditing was performed successfully, including also the NtM process. Further QMS development has been done, i.e. for processes for data delivery and customer services and planning of future work, work with decentralized *Lappeenranta* office and with fairway and navaid units.

2. Hydrographic surveys

There were open procurements for three survey tasks; on Bay of Bothnia (part of the *MonaLisa* project), on inland lake area and on some fairway areas. In the [Table 1](#) there are statistics of these tasks. In [Fig. 1](#) there are shown the survey areas.

The validity of the Special Generic Economic Interest (SGEI) law has been expired at the end of 2012.



[Fig. 1.](#) Hydrographic Surveys in 2012.

Task	Surveyed by	Multibeam [Km ²]	Line sounding [Km ²]
Bay of Bothnia	Marin Mätteknik Ab	5938	
Bay of Bothnia	Fugro-OSAE GmbH	1402	
Inland	Meritaito Oy	203	223
Various areas	Meritaito Oy	1502	40

Table 1: Survey statistics for 2012.

The Finnish part of the BSHC/HELCOM Revised Harmonised Hydrographic Re-Survey Scheme has been completed and the database updated. As a total Baltic Sea re-survey scheme, the requirements of the HELCOM Moscow 2010 Ministerial Declaration are almost fulfilled. The BSHC has agreed that this will be reported to HELCOM Ministerial Meeting 3 October 2013.

Hydrographic data processing and management

The development of a new system for Source data management ("LOKI") has been started with a new *agile software development* method, an example user interface can be seen in Fig. 2. Some processes have been enhanced especially with inland unit. Quality control of ENC's has been improved. Some software tools and operation guidance have been enhanced.

Within the BSHC a Pilot project for harmonising depth information between Finnish and Swedish charts have been started.

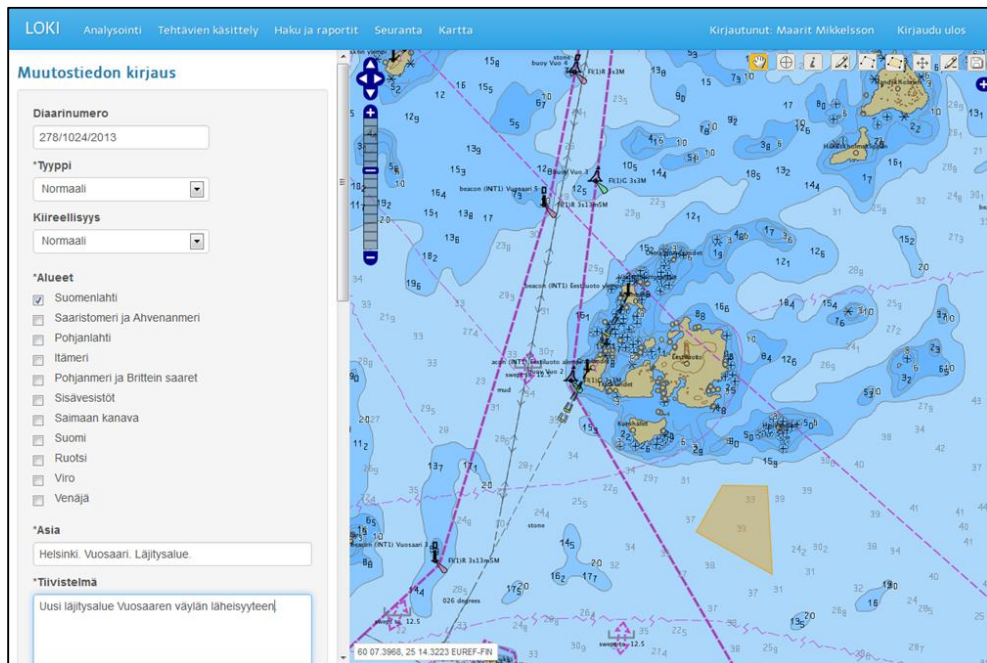


Fig. 2. Example user interface of the Source Data Management "LOKI"

3. Nautical Charts

Printed charts

Printed charts have been produced mainly according to the plans. Three deviation reports have been issued. New editions were published on three chart series (G, B, L) and 19 nautical charts. Three totally new charts (103, 109 and 132) were published. To keep (some) charts in continuous updating has helped to release new editions.

Statistics for sold charts are shown in *Table 2* and in *Fig. 3* and *Fig. 4*. In addition to these there are many adopted charts sold by UKHO and Germany.

There have been some enhancements to Product specifications of printed charts and ENC's, i.e. to amend the chart limits to serve better the customers.

The publishing and marketing contract for printed charts was competed. For the next years the Finnish nautical charts will be published and marketed by *Karttakeskus Oy*. From the beginning of 2013 the price level has been reduced by 30%.

Chart product	2009	2010	2011	2012
International traffic				
Approach charts	5082	6098	3580	5379
General charts	2856	2539	1772	1620
Harbour charts	937	659	732	1267
Inland charts (for international traffic)	826	882	337	114
Inland chart series (for international traffic)	1488	1672	2103	1998
Domestic traffic				
Chart series (sea area)	10478	14674	11695	11116
Inland charts	1521	1423	1384	1000
Inland chart series (for domestic traffic)	1841	2218	1862	1503
Other charts	377	222	5	0
Total sold copies	25406	30387	23470	24006
Change [%]		19,6	-22,8	2,20 %

Table 2 Statistics of sold Finnish nautical charts in 2009 – 2012.

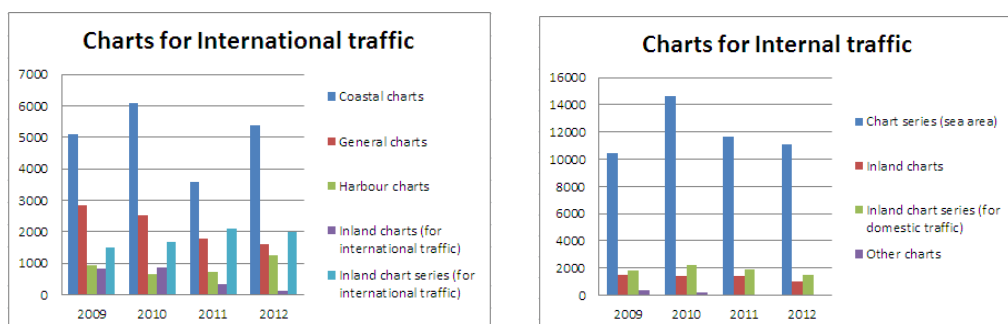


Fig. 3. Amount of sold Finnish nautical charts for international and internal traffic in 2009 - 2012.

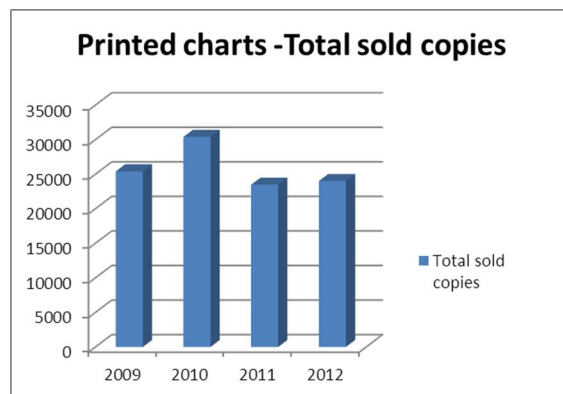


Fig. 4. Amount of sold Finnish nautical charts in 2009 – 2012.

ENC production and distribution

ENC production and distribution has been mainly according to the plans. In 2012 8 new cells and 44 New Editions have been released. ENC Statistics are in [Table 3](#) and [Table 4](#).

The FHO has participated actively on the harmonisation of the pricing models of Primar and IC-ENC.

	No of releases		
	2010	2011	2012
New cells	54	14	8
New editions	23	1	44
ER updates	453	142	449
Total cells	151	205	213

Table 3. Statistics of produced Finnish ENCs

	Use of Finnish ENCs			
	2009	2010	2011	2012
No of ships	937	1153	1094	1239
No of customers	304	340	386	453
No of orders	45804	53472	50628	53629

Table 4: Statistics for the use of Finnish ENCs

4. Nautical publications

NtMs has been published according to the plans. Statistics are shown in [Table 5](#). The Notices to Yachtsmen has been suppressed by the end of 2012. The content and presentation of the information in Finnish NtMs are being harmonized more with IHO S-4 specifications.

Publication/ Service	No of releases		
	2011	2011	2012
NtM issues	36	36	36
NtM notices	596	680	389
NtY issues	5	5	5
ER updates	453	766	449
Charts in chart based update		38	56

Table 5: Statistics for nautical publications

5. MSI

In total 265 navigational warnings were published during 2012 (248 in 2011).

6. C-55

Updates (only minor changes) to C-55 were sent to the IHB in March 2012, but IHB has not updated S-11 since September 2011.

7. Capacity building

Nothing to report.

8. Oceanographic activities

Reported at BOOS meeting in Helsinki in June the BSHC activities related to chart datums. BOOS representative participated to the Chart Datum WG meeting in Helsinki in August.

9. Other activities

A questionnaire to leisure craft customers was performed and the results indicate that the customers are fairly satisfied to the hydrographic services.

Based on Bilateral Arrangements the adoptions of printed charts with Germany (12 charts) and UKHO (8 charts) have been expanded.

The FHO has participated actively to Finnish implementation of "Open Data" services. A satisfactory service is operative now on the FTA website. A development project for a more complete INSPIRE data delivery service was initiated but was obliged to be ceased for administrative reasons.

In 2012 the FHO has arranged the BSHC/DBWG meeting (June), BSHC ChartDatumWG meeting (August), BSHC MWG meeting in (September), BSHC 17th Conference (September), IHO-HSSC/SNPWG15 meeting (November).

10. Conclusions

This report highlights the main achievements of the Finnish Hydrographic Office during 2012.
