BSBD-WG
MonaLisa 3.2

Performed work

- Questionnaire sent out to gather information for writing of the specification.
- In beginning of April we changed the hardware platform and now have everything in a virtual servers in the ”Cloud”. Using Amazon AWS.
- At the WG meeting we prioritized the different points suggested such as projections, formats and functionality.
- The WG members had different interpretations regarding the decision of the BSHC-17 regarding the licensing and the solution for time being where to follow the stricter “Non Commercial” licensing.

Performed work

- After the meeting we finalized the Specification version 1.0. It contains also the prioritizing of the separate functionalities in the portal. All countries has been given possibility to test the portal and to pass that information on to other possible users.
- The agreed publication date, the 2:nd of September were not possible to achieve due to problems with the metadata and postponed for the 10:th.
- The portal has been running with minimum functionality for some time but there has been very few visits from other countries than Sweden during the period when the Login where activated.

Release 10-12 September

- On the 10th we sent information to all WG members including a suggested “press release”.
- Information sent to GEBCO mailing list and to HELCOM.
- On the 11th”invites” were sent to personal contacts.
- In the morning of the 12th a Swedish press release where sent by SMA to inform about the portal and the same information were also sent to authorities with possible interest in maritime information.

Result of the Release

- A lot of interest International as well as National.
- 2314 unique visits between the 9 and the 15:th Sept.
- Around 80% of the visits comes from Sweden
- A lot of positive feedback has been received from users.
- HELCOM informed that they want to incorporate the BSHC model on their map site instead of the existing IOWTOPO model.

Sample of feedback

Wednesday 2013-09-11 10:03
Dear Bathymetry database team members,
Congratulations for visually impressive and functional map service!

Here at HELCOM secretariat we have a map and data service (http://maps.helcom.fi/website/mapservice/index.html) that gathers many Baltic sea related map datasets related to e.g. oceanographic measurements, biodiversity and shipping. Depth information is also very welcomed and we currently have only a rather coarse raster dataset and some isolines to display depth.

As I came across this new service and database of yours, I was wondering would it be possible to display that data in the HELCOM map and data service under "Background" à "Marine" folder where we have our current bathymetry datasets?

..... (*technical stuff removed*)

Thank you and best regards,
Joni Kaitaranta
Data Administrator
HELCOM – Baltic Marine Environment Protection Commission

Wednesday 2013-09-11 10:15

Thanks for providing the information and link about the Baltic Sea Bathymetry Database. I've had a quick look at the web site and the imagery and data looks great!

I will try out the functions and give feedback if I can.

With best regards,

Pauline

Ms Pauline Weatherall
GEBCO Digital Atlas Manager
British Oceanographic Data Centre (BODC)

Hi,

Thanks for making such a very useful navigation/mapping website. I am a researcher at Uppsala University working on crustal deformation of Lake Vänern and its surrounding. How can I get the highest resolution bathymetric data for this lake? Are you going to add into your website if there is any data?

Thanks in advance for your help,

MvH

Faramarz Nilfouroushan

"The benefit of such a portal is massive!

A one-stop-shop for bathymetric data is in line with how we build products for the users within the BOOS (www.boos.org) and NOOS (www.noos.cc) communities.

The portal will be heavily used."

Thomas Hammarklint

Oceanografisk data och information / Oceanographer

SMHI / Swedish Meteorological and Hydrological Institute

Samhälle & Säkerhet Havsmiljö / Oceanography

The availability of bathymetric datasets, even in this present published scale, is of great importance when studying geological features such as e.g. major faults, eskers and moraines as well as when planning new studies and surveys. More detailed bathymetric datasets would be even more advantageous when geology, in general, is related and is the cause to the features of the terrain.

Johan Nyberg (PhD, MSc)

Enheten Maringeologi
Sveriges Geologiska Undersökning (Geological Survey of Sweden)

As on land, the bottom topography of oceans and seas is complex with mountains, hills and valleys. With this in mind, it may be self-evident that shape and depth of oceans and seas are key parameters to answer scientific questions in a broad range of disciplines including oceanography, marine geology, geophysics, biology and ecology. For example, the bottom shape and characteristics influence how currents flow, where different bottom living organisms establish their habitats, how pollutants travel through the water and are deposited in bottom sediments, and how tsunami waves propagate. The shape of the bottom and the deposited sediments also contain information about Earth's history, much like the books in a library. This information is crucial for studying the effects of a changing climate, including sea-level rise and ocean acidification to name a few.

Martin Jakobsson
Professor of Marine Geology and Geophysics
Stockholm University

Result of the Release

- A lot of interest International as well as National.
- 35 sites links to the BSBD portal
- 2314 unique visits between the 9 and the 15:th Sept.
- Around 80% of the visits comes from Sweden.
- Feedback has been received from users (se separate document)
- HELCOM wants to incorporate the BSHC model on their map site instead of the existing IOWTOPO model.

Work to be done !

- An upgraded model including German data is under production.
- Further upgrades will be done when more data becomes available.
- Continue implementing functionality according to the specification v1.0
- Adding more layers such as the density and depth curves.
- Add also WMTS service.
- WG meeting scheduled for beginning of November.

Requests to the BSHC-18

1. Note the given report
2. Consent that the portal provides bathymetry models with resolution of 500m or better, where data providers and legislation so accepts.
3. Decide if the whole portal shall remain “free for non-commercial use” or also allow commercial use.
4. If commercial use is not to be free, how to solve requests for commercial use and who shall be responsible for such agreements.
5. Consent that the compiled results of the bathymetry model are provided for inclusion in the GEBCO grid.
6. Consent to further enhancement of the portal functionality.