



# BSHC

Report to IRCC16

Santa Cruz Island - Galapagos, Ecuador  
10 – 12 June 2024

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# Key Achievements

International  
Hydrographic  
Organization

- **Baltic Sea e-Nav project** approved by Interreg Baltic Sea Region programme in June 2023.
  - HO-s as project partners are SE (coordinator), DE, FI, DK, EE, LV, associated: LT, PL. Also, academia, private sector (OEM), RENC-s (IC-ENC and PRIMAR) and meteorological agency (FI) are involved.
  - Project scope is to develop production capabilities of S-101, S-102 and to some extent S-104 and S-111. Establish harmonization rules for S-10x products of BSHC members. Test, evaluate, refine and commercial rollout of S-10x products.
  - Test areas have been established and partners have provided test data through RENC. Multiple project meetings in person and VTC have taken place. Next evaluation in December 2024. Project duration 2023-2026.
- **BSHC2000.** The implementation of the common Baltic Sea Chart Datum 2000 (BSCD2000) - a vertical reference frame for all waters within the Baltic Sea proceeds well under the monitoring and guidance of Baltic Sea CDWCWG. BSCD 2000 is registered in the IHO GI Registry and is expected to be implemented by 2027 and will be used for all S-100 products





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# Key Achievements

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- **S-100 implementation coordination**

- BSHC WG's have taken active role in the coordination of the S-100 product specification implementation in the region.
- The BSICCWG is assigned the responsibility to ensure that the work of the Commission will be in line with the IHO S-100 Roadmap and the IMO timeline. Also to coordinate and harmonize the implementation of S-101 ENC and S-102 Bathymetric Surface products.
- The CDWCWG (formerly CDWG) has been tasked to coordinate the implementation of Water Level Information for S-104 format and Surface Currents for S-111 format within the Baltic Sea.
- The BSMSIWG has been tasked to coordinate the implementation of navigational warnings in S-124 format within the Baltic Sea.
- Member states have received good guidance and support from RENCs
- Many Member States are making good progress with scheming and Production plans according to the IHO implementation plan.



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# Important Findings (RHC top 3 challenges)

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## **S-100 implementation**

- While coordination on the WG level as been established and good progress is made by some countries, the harmonized implementation of S-100 products and services in the region still remains a challenge.
- A higher need for knowledge building on S-100 standards and implementation is identified.
- Challenges with S-101 scheming and possible high workload during the dual fuel period, due to parallel production of both S-57 and S-101 ENC.
- Regional S-102 harmonization

## **Baltic Sea Overview ENC**

- Germany will stop producing the Baltic Sea overview ENC by the beginning of 2025. All the members will produce their own overview cells from then on. Releasing of the new overview cells and cutting the German cell should be done on the same day 10th of January 2025.



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# Lessons Learned

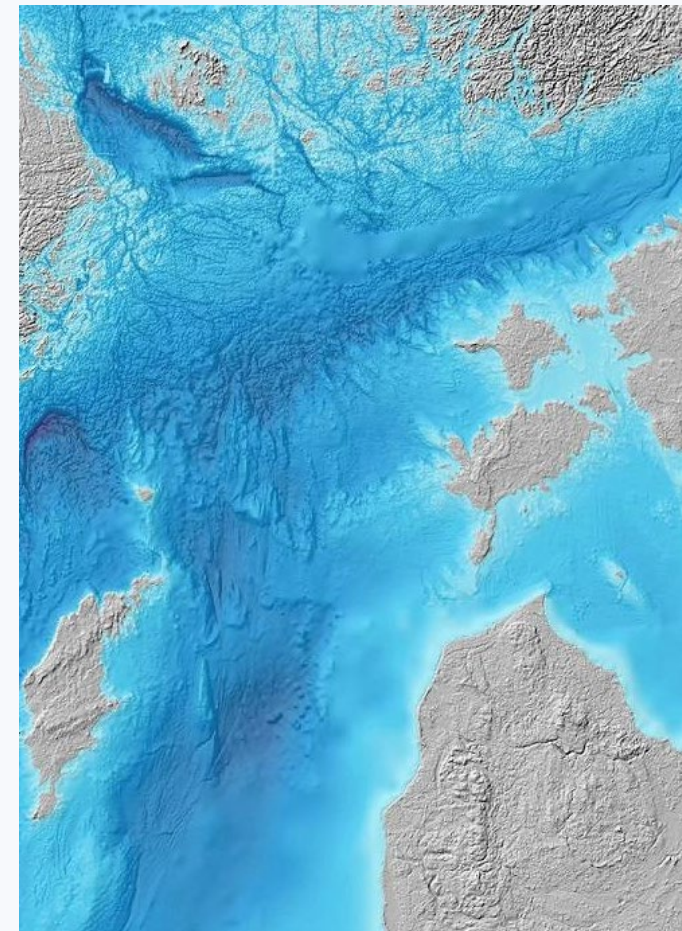
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## **Baltic Sea Bathymetric Database**

- In summer 2023 the physical servers of the portal were retired and migration of the BSBD setup to newer servers has been aborted due to that the task has been proven to require too many resources. BSDB is not currently operational and BSBDWG proposed to shut down the database and the service. A temporary solution will run until September 2024. The Commission agreed to direct BSBD users to the EMODNet Bathymetry portal and to consider the current BSBD datasets as a historical datasets.

## **Allocation of BSHC resources towards implementation of S-100**

- The BS-NSMSDIWG has been closed. BSHC concluded that national MSDIs are established under the European INSPIRE directive and thus the need for a MSDIWG under BSHC is limited. BSHC will instead focus the engagement in the IHO MSDIWG.
- BS-SCG closed. Commission concluded that a specific BSHC Strategic Plan is not needed. The BSHC TORs and the directions from the IHO, mainly through IRCC, gives enough guidance for the work of the Commission.





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# Proposals

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The IRCC is invited to:

- Note the report of the Baltic Sea Hydrographic Commission
- Take any other action considered appropriate

