



Minutes
BSHC CDWG Start-up meeting
12 October 2022
VTC

This meeting was recorded; the recording can be found [here](#).

1. Opening, welcoming notes

Chair, Mr Thomas Hammarklint SE, welcomed participants warmly to the Zoom meeting [Agenda](#).

Chair will take minutes from the meeting.

2. Review the work of the CDWG and actions since CDWG13

Participants presented shortly themselves [Photo](#) and ongoing actions, status of implementation and other activities. All member states except Russia were invited and present at the meeting. Several observer and experts joined the meeting. A total of 22 participants joined the meeting during all or part of the meeting:

Thomas Hammarklint, SMA/HO, Sweden (Chair)

Mikael Stenström, SMHI, Sweden

Lars Jakobsson, SMA/HO, Sweden

Henrik Tengbert, SMA/HO, Sweden

Per-Anders Olsson, LM, Sweden

Gitte Hauerberg Iversen, GST/HO, Denmark

Joachim Schwabe, BKG, Germany

Gunter Liebsch, BKG, Germany

Malgorzata Szelachowska, IGIK, Poland

Monika Wilde-Piórko, IGIK, Poland

Piotr Kozłowski, HOPN/HO, Poland

Krzysztof Pyrchla, GUT, Poland

Jan Krynski, IGIK, Poland

Mindaugas Zakarauskas, LTSA/HO, Lithuania

Emilis Tertelis, LTSA/HO, Lithuania

Bruno Špēls, MAL/HO, Latvia

Mārtiņš Rēvaldš, MAL/HO, Latvia

Janis Legzdins, MAL/HO, Latvia

Gabriela Kotsulim, EMA/HO, Estonia

Sander Varbla, TUT, Estonia

Anni Jokiniemi, FMI, Finland

Jarmo Mäkinen, Traficom/HO, Finland

The [List of Actions](#) from the last meeting were reviewed. All actions have been executed.



Chair showed the [presentation](#) of the [CDWG-report](#) to the [27th BSHC Conference](#). The answers to the BSHC26 Actions from the CDWG were approved by the Conference. No amendments to the CDWG's [TORs](#) and [Work programme](#) have been proposed to BSHC. During the Conference good examples and progress in the transition and implementation of Baltic Sea Chart Datum 2000 were presented. No actions or further guidance was given from BSHC27 to CDWG.

Joachim and Monika presented the work within the FAMOS project finalization of Activity 2 and the recently approved Interreg small project “BalMarGrav” [presentation](#):

FAMOS Gravity DB Release 3.1 (2022-08-31)

- Changes over DBv3.0 (2021-06-01)
 - DTU shipborne campaigns (2014-2019) corrected for gross errors
 - Some new points on mainland Denmark
 - New shipborne campaign by TU Gdansk (Heweliusz 2021)
- Resume geoid computations
- Goal: Gravimetric solutions of each computation center until end of year
- Then fitting, blending and preparation of report until CDWG2014

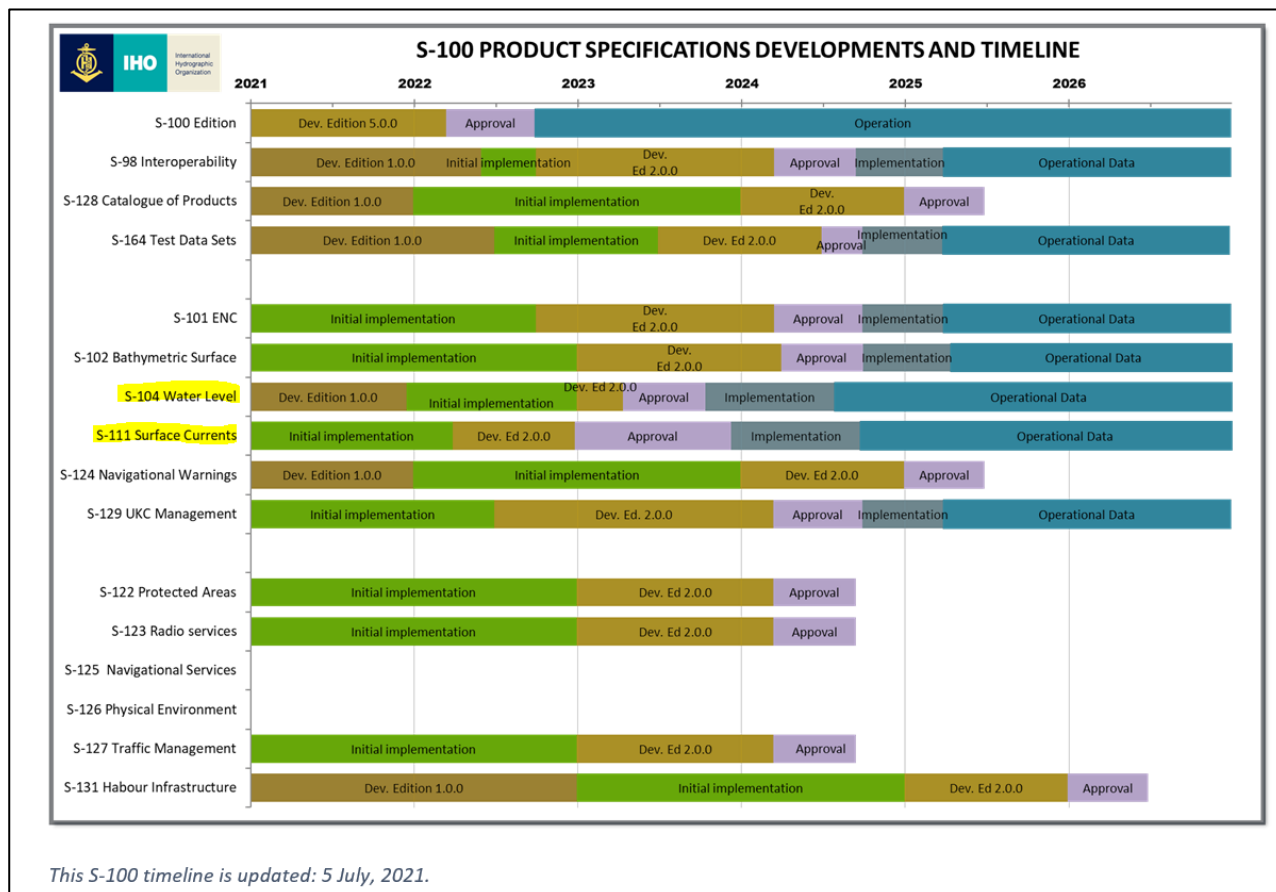
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Interreg „BalMarGrav“ (10/2022 – 09/2024, Kickoff 2022-09-22)

- Successful application for „small project“
- 500 K€ (IGiK, PGI, GUT, Szczecin, VTU, RTU, TalTech)
- Strengthen bilateral cooperation
- Also BKG, LM, DTU, FGI with small amounts
- Support by other national players (e.g. LGA, MAL, ...)
- Goals
 - Recover, homogenize, validate and calibrate historical marine gravity data in PL and Baltic countries
 - Make data available to target groups (authorities and researchers in marine geodesy, geophysics and geology)
- Some shiptime for additional measurements
- Validation and some densification
- „Bridge“ to support FAMOS/BSCD2000 update (~2026 ?)

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Discussions about the new task from BSHC26-2021: Coordinate the implementation of IHO products S-104 Water level and S-111 Surface currents in the Baltic Sea. The work needs to be coordinated somehow within CDWG. Jarmo mentioned the BSHC Strategic Group that will discuss the task in January 2023. All BSHC Working Group Chairs will be invited to the meeting. We are awaiting further guidance from the group after their meeting.



S-100 Product Specifications Developments and Timeline

3. Any other business

One amendment to the [List of Members](#) was proposed; Chair added Armands Murans to the list.

New actions from this meeting have been added to the [List of Actions](#).

Chair will send out request well before CDWG14 to the national contacts to complete the [Questionnaire 2023](#).

Chair showed the new BSHC [Website](#). When the new website will be launched is not yet decided. Many links will be changed after the transition to the new repository.

Chair will organize a CDWG14 meeting as physical face-to-face meeting 28-29 March 2023 in Göteborg, Sweden. The meeting is hosted by the Swedish Maritime Administration (SMA).



4. Closing of the meeting

Chair thanked the participants for their contribution to the meeting. The meeting was closed October 12, 2022 at 10:45 CET.

Chat History:

- 09:32:44 From Armands Murans: What about Baltic Sea surface topography?
- 09:38:01 From Armands Murans: Mean sea surface topography in the Baltic Sea and its transition area to the North Sea: A geodetic solution and comparisons with oceanographic models
Martin Ekman, Jaakko Mäkinen (<https://doi.org/10.1029/96JC00318> or <https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/96JC00318>)
- 10:30:44 From Lars Jakobsson: New action proposal: Find conceptual alternative to solve the future need of a 3-dimensional "Baltic Geodetic System" - adapting to Baltic Sea Chart Datum 2000 with known relationship to ITRFxx - to implement in coming S-100 concept making it possible to handle GNSS supported UKC management (WGS84 will not be enough for S-100 ECDIS)
- 10:35:06 From Armands Murans: About the new geoid: Is it possible to get transitory solution-quasigeoid heights?
- 10:37:30 From Armands Murans: armands.murans@lhd.lv
- 10:38:13 From Gunther Liebsch: BSCD2000 Definition is not only connected to the European Height System (EVR5) but also to the European 3D Coordinate System (ETRS89) and therefore to ITRFxx.
- 10:43:48 From Per-Anders Olsson: Thank you Thomas! :)