

23rd Conference of the Meso American - Caribbean Sea Hydrographic Commission

IRCC Update



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14th Meeting of the IHO Inter-Regional Coordination Committee



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Hybrid - Bali, Indonesia, 6-8 June 2022



MACHC Representation

IRCC Meeting:

- IRCC14 was held in Indonesia, 6-8 June 2022 - 39 in person participants and 56 participants by VTC, from 39 IHO Member States
- IRCC15 to be held in Japan in 12-14 June 2023
- IRCC16 to be held in Ecuador in May/June 2024

MACHC Representation:

- Brazil
- France
- Netherlands
- United Kingdom
- United States of America

MACHC Report to IRCC14 distributed via MACHC Letter 07/2022



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IRCC Highlights

- Endorsed the WEND S-100 Product Matrix as a tool for RHCs to gage business model maturity for S-100 products
- Endorsed the version 1.0 of the ‘Guidelines on the implementation of the WEND-100 principles’
- Survey on the Production of **High Density ENC**s - Summary of IHO Member States’ Responses

https://iho.int/uploads/user/Inter-Regional%20Coordination/WEND-WG/WENDWG%20Repository/Summary_of_HD_ENCs_Questionnaire_ver3.2.pptx



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IRCC Highlights

- Reported on the S-101 Scheming guidelines, noting that the consensus for a Global Common Grid Scheme was not reached yet.
- MSDIWG to revise the IHO Publication C-17 MSDI.
- MSDIWG intends to provide guidance on how a Hydrographic Office can use the FAIR (Findable, Accessible, Interoperable, Re-usable) data principles in their work and develop a MSDI FAIR principles check list.
- Approved the revised IHO Capacity Building Strategy.



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IRCC Highlights

- CBSC will establish the C-55 Project Team to focus on the content of C-55 to better reflect both the requirements for safety of navigation and the use of hydrographic data for non-navigational purposes.
- IHO Secretariat was invited to determine the percentage of employees of Hydrographic Offices that are female and the percentage of women currently in leadership roles (EWH) - IHO CL 26/2022, Deadline 30 September 2022



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IRCC Highlights

- Endorsed Publication B-12 IHO Guidance on Crowdsourced Bathymetry Edition 3.0.0.
- Endorsed the proposal regarding SPI allocated to IRCC.
- CSBWG to investigate the establishment of a Seabed 2030/CSB Coordinator Collaboration Team within the CSBWG and Report to IRCC15.
- Seabed 2030 Project published the GEBCO 2022 grid with 23,4% coverage, following established resolution.
https://www.gebco.net/data_and_products/gridded_bathymetry_data/



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IRCC Highlights

- SWPHC Chair was requested to investigate possibilities to organize a Workshop on environmental emissions from shipping (COP26 outcome) and on Cyber Security to MS and to liaise with the HSSC to provide contents.
- France, UK and others was request to organize an IRCC Workshop on how to engage with international and regional agencies, development partners and coastal states to support knowledge and understanding of hydrography and the value associated with open data policies in respect of marine geospatial information.



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IRCC 2022 Workshop on IHO Strategic Plan

<https://iho.int/en/ircc-ws-splan-0>

Presentations:

- IHO Secretariat - Proposals for measuring SPI assigned to IRCC
- SAIHC - Regional experiences of measuring SPI
- SWAtHC - Regional experiences of measuring SPI
- How MSDI can support measuring SPI



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SPIs attributed by IRCC to MACHC

Targets	Strategic Performance Indicator (SPI) - measurement for success	Way forward
Goal 1: Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation		
1.2 Develop standards, specifications and guidelines in the areas of data assurance, including cyber security and data quality assessment.	1.2.2 Percentage of navigationally significant areas (e.g. charted traffic separation schemes, anchorages, channels) for which the adequacy of the hydrographic knowledge is assessed through the use of appropriate quality indicators (2026:100%).	<u>Navigationally significant areas:</u> Areas covered by Usage Bands 3 to 5. <u>Appropriate quality indicator:</u> Percentage of the area, where CATZOC is other than U (Unassessed). The calculation is being done by IHO Secretariat regularly.

Hydrographic Offices are requested to authorize RENCs to provide CATZOC data of their respective ENC's distributed to IHO Secretariat.



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SPIs attributed by IRCC to MACHC

Targets	Strategic Performance Indicator (SPI) - measurement for success	Way forward
Goal 1: Evolving the hydrographic support for safety and efficiency of maritime navigation, undergoing profound transformation		
1.3 Use capacity building and training to develop and increase the ability of Member States to support safety and efficiency of maritime navigation.	1.3.1 Ability and capability of Member States to meet the requirements and delivery phases of the S-100 implementation plan (2026: 50%).	Filled IGIF template provided by WENDWG. Figures are “yes/partially/no” per each RHC. Target: 50% yes.

https://iho.int/uploads/user/Inter-Regional%20Coordination/WENDWG/WENDWG%20Repository/WEND100-IGIF_Product%20Matrix_v1_10Aug2022.xlsx



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SPIs attributed by IRCC to MACHC

Targets	Strategic Performance Indicator (SPI) - measurement for success	Way forward
Goal 2: Increasing the use of hydrographic data for the benefit of society		
<p>2.2 Promote new tools and methods to accelerate and increase coverage, consistency, quality of surveys in poorly surveyed areas.</p>	<p>2.2.1 Percentage of adequately surveyed area per coastal State.</p>	<p>Use C-55 and additional GEBCO/Seabed2030 information. IHO Secretariat to derive figures from C-55 for “adequately surveyed”, per coastal State regularly. Task GEBCO GC to provide an additional figure for each RHC on the Seabed2030 information.</p>

Hydrographic Offices to update regularly and at least annually the IHO Publication C-55.



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SPIs attributed by IRCC to MACHC

Targets	Strategic Performance Indicator (SPI) - measurement for success	Way forward
Goal 2: Increasing the use of hydrographic data for the benefit of society		
2.3 Apply <u>UN shared guiding principles for geospatial information management</u> in order to ensure interoperability and extended use of hydrographic data in combination with other marine-related data.	2.3.1 Number of HOs reporting success applying the principles in their national contexts (2026: 70%).	IHO Secretariat sent IHO CL 23/2022 with a questionnaire (Deadline: 15 Oct 2022) and will compute the results for 2022. Table of results to be provided to RHC by December.

https://iho.int/uploads/user/circular_letters/eng_2022/CL23_2022_EN_v1.pdf

https://iho.int/uploads/user/circular_letters/esp_2022/CL23_2022_ES_v1.pdf



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IRCC14 Action assigned to MACHC

Action 1: IRCC invited RHCs and Subordinate bodies to provide comments and inputs on the governance document on Dual Fuel Concept for S-100 ECDIS, intersessionally. (Permanent)

https://iho.int/uploads/user/About%20IHO/Council/council6/C6_2022_04.1A_HSSC_Report%20Annex%20C-ver1.0.pdf



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16 IRCC Recommendations for MACHC - many of them either completed or are in progress. Examples:

- RHCs to establish an S-100 Coordinator role.
- RHC encourage Member States and submitting institutions to consult the Guidelines, the FAQs and the White Paper (Maintaining the Standards of Competence for Hydrographic Surveyors and Nautical Cartographers) early in the process of preparing submissions for programme recognition.
- RHC to encourage all Member States to respond to IHO CL 21/2020 and, if possible, offer a positive response, even if qualified, to enable provision of CSB data into the public domain collected from ships within waters subject to their national jurisdiction.
- RHC to encourage Member States to release datasets or subsets into the public domain via the IHO DCDB.
- Encourage RHCs to actively contribute with new data to GEBCO.



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5 IRCC Recommendations for MACHC that need to be considered

- RHC are encouraged to increase the collaboration with the Data Quality WG and to try to find candidates for the vacancy of the Chair and Secretary positions. Mr. Lingzhi WU from China assumed the position of DQWG Chair, but the positions of Vice Chair and Secretary are still vacant.
- RHC to discuss how HOs can assume a geo-coordinating role to help ensure provision of data on a regional level.
- RHC to start or proceed with the debate on how the climate change related activities can be further investigated and what can be the role of the IHO.



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5 IRCC Recommendations for MACHC that need to be considered

- RHCs to apply Action WENDWG12/33 (WEND-100 Product Matrix will be made available on the WENDWG Repository webpage when finalized).
WEND-100 Product Matrix = WEND-100 IGIF Matrix
[https://iho.int/uploads/user/Inter-Regional%20Coordination/WENDWG/WENDWG%20Repository/WEND100-IGIF Product%20Matrix v1 10Aug2022.xlsx](https://iho.int/uploads/user/Inter-Regional%20Coordination/WENDWG/WENDWG%20Repository/WEND100-IGIF%20Product%20Matrix%20v1%2010Aug2022.xlsx)
- RHC to reply to the WENDWG template SPI 1.3.1.
SPI 1.3.1 - Ability and capability of Member States to meet the requirements and delivery phases of the S-100 implementation plan.



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The Commission is invited to:

- a. Take note of the IRCC update
- b. Approve Actions for Members to meet the 5 IRCC Recommendations for MACHC that has not been considered yet;
- c. Take any other decisions and actions considered necessary.



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