



MACHC25

IHO Secretariat Report

Rear Admiral Luigi SINAPI
IHO Director





IHO

IHO MEMBERSHIP & REGIONAL APPLICATION FOR IHO MEMBERSHIP

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- In November 2023, **CABO VERDE** became the **99th IHO Member State**



- In May 2024, **KIRIBATI** became the **100th IHO Member State**



Recommendation - MACHC is invited to encourage and propose to the IHO Secretariat High Level Visits to those States not yet IHO Member States and support the IHO Secretariat in the future initiative to enlarge the IHO membership.



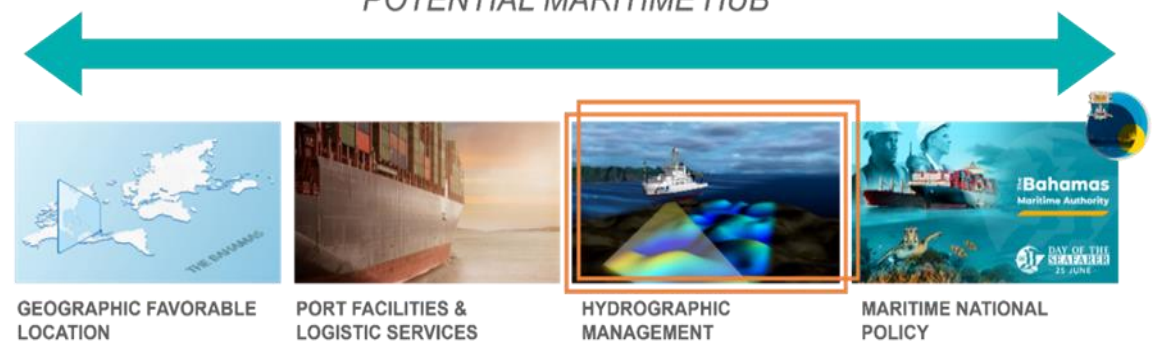
IHO HIGH LEVEL VISIT (HLV) TO THE BAHAMAS (1 OF 2)

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- Period: 15 to 19 April
- Aim: The Bahamas' potential membership to the IHO - The progress made in the maritime sector - The way forward to further strengthening the national capacity in the field of hydrography
- Discussions: To optimize The Bahamas' value chains like Tourism & To achieve a sustainable marine management to become a *"Potential Maritime Hub"*
- Outcomes: CONCEPT NOTE with Roadmap ../..



POTENTIAL MARITIME HUB

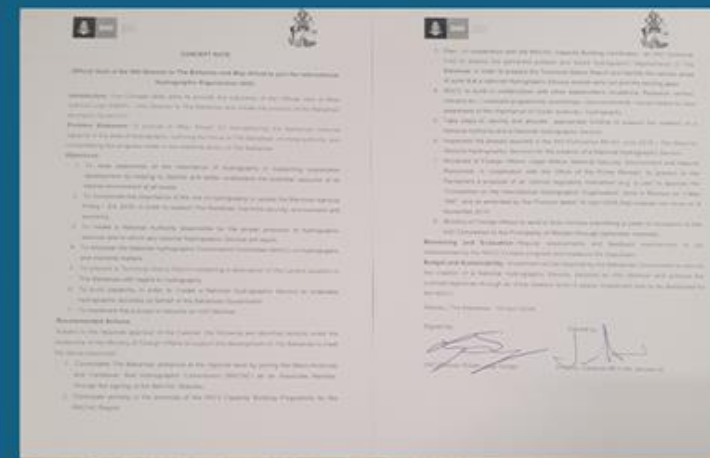




IHO HIGH LEVEL VISIT (HLV) TO THE BAHAMAS (2 OF 2)

ROADMAP

1. Associate Member of MACHC
2. Participation in the Regional CB programme
3. Plan a Technical Visit
4. Internal Outreach Programme
5. National Authority & National Hydrographic Service
6. Implement the phases reported in the *IHO Publication M-2 Ed. June 2018 – The Need for National Hydrographic Services* for the creation of a National Hydrographic Service
7. Present to the Parliament a proposal of an internal regulatory instrument (e.g. a Law) to approve the “*Convention on the International Hydrographic Organization*”
8. Ministry of Foreign Affairs to send a Note verbale submitting a Letter of Accession to the IHO Convention to the Principality of Monaco through diplomatic channels.





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8TH MEETING OF IHO COUNCIL

International
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IHO Council, Secretariat, 15-17 October 2024



<https://iho.int/en/8th-council-meeting-2024>



IHO CAPACITY BUILDING PROGRAMME 2024

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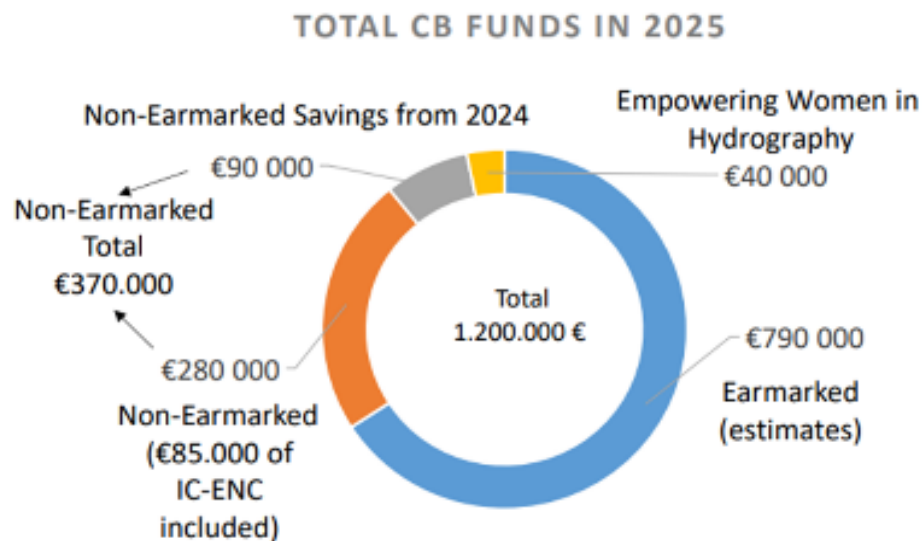
- The funded activities which were not executed in the 2024 CBWP will not be carried over to the 2025 CBWP. In 2024 the CBWP has returned to the pre-COVID practice of not carrying over incomplete activities from year-to-year.
- The ***2024 CBWP has 293,265 euros for non-earmarked projects*** and 790,223 € for earmarked projects.
- ***The total of funds available for 2024 is 1,083,488 €.***
- MACHC has 4 (four) funded CB activities in the 2024CBWP.



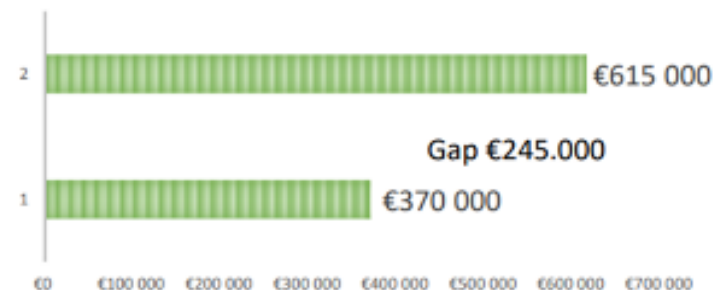
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CAPACITY BUILDING PROGRAMME 2025

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REQUESTED VS AVAILABLE NON-EARMARKED FUNDS



The so far uncovered CB requests for S-100 related activities amount to ~€188,000.

- Reconsideration of priorities by the Capacity Building Sub-Committee, and
- External funding support can help to fill the gap.

- The **2025 CBWP has 280,000 euros for non-earmarked projects and 790,000 € for earmarked projects.**
- The **total of funds available for 2025 is 1,070,000€.**
- MACHC has 3 (three) funded CB activities in the 2025CBWP.



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CAPACITY BUILDING PROGRAMME 2025 (BREAKDOWN)

Percentage of S-100 requested activities out of the annual amounts of NON-EARMARKED activities:

2021	2022	2023	2024	2025
5%	9%	13%	18%	45%

APPROVED 2025 IHO CBWP

Updated: 4/9/2024

IHO WP Element: Capacity Building Assessment - Technical and High-Level Visits					
No.	Events	Responsible	Budget	Status	Resources
A-01	Technical visit to Gabon	EAIHC	7,000 €	Led by Date	IHO
A-02	Technical Visit to Kuwait	RSIHC	5,680 €	Led by Date	IHO-ROK
A-03	Technical visit to S. Tomé e Príncipe	EAIHC	7,000 €	Led by Date	IHO-ROK
A-04	Technical Implementation Visit by UK	EAIHC	7,000 €	Led by Date	IHO-ROK
A-05	Technical Visit – Republic of Zambia	SAIHC	4,000 €	Led by Date	IHO-ROK
A-06	High Level Technical Visit to Guatemala	MACIHC	5,000 €	Led by Date	IHO-ROK
A-07	Technical Visit - Bahamas	MACHC	5,000 €	Led by Date	IHO-ROK
P-01	ROK Category "A" Programme	Secretariat	0 €	(TBC at PMB15) Led by USM, Hattiesburg, USA 1 August 2025-1 August 2026	ROK
P-02	ROK Category B Nautical Cartographers Program	Secretariat	0 €	(TBC at PMB15) Led by KHOA, Busan, ROK	ROK
P-03	IHO-NF GEOMAC (Geospatial Marine Analysis and Cartography)	Secretariat	331,149 €	Led by UKHO, Tauton, UK	Nippon
P-04	Training for Trainers - Basic Hydrography	Secretariat	0 €	(TBC at PMB15) Led by KHOA, Busan, ROK	ROK
P-05	Training Center Visit (TCV) and International Cooperation Agency Visits (ICAV) in EAIHC countries	EAIHC	25,000 €	Led by Dates	IHO
P-06	Seminar on Raising Awareness of Hydrography	NIOHC	17,250 €	Led by Dates	IHO-ROK
P-07	Raising Hydrographic Awareness (for SAIHC Associate and Non-Members)	SAIHC	20,100 €	Led by Dates	IHO-ROK
P-08	Seminar on Raising Awareness of Hydrography	MACHC	33,000 €	Led by Dates	IHO
P-09	Technical Workshop on Hydrographic Contracts and Maritime Law	SWPHC	6,000 €	Led by Dates	IHO-ROK
P-10	ENC Quality and conversion course (S-57 to S-101 Conversion)	NIOHC / RSAHC	32,900 €	Led by Dates	IC-ENC
P-11	S-101 Workshop – Electronic Navigational Chart / S-102 Workshop Bathymetric Surfaces	SEPRHC	30,247 €	Led by Dates	IC-ENC
P-12	MBES Acquisition and Processing Survey Course	SWAHC	16,360 €	Led by Dates	IHO
P-13	S57-S101 Conversion Training	MBSHC	20,650 €	Led by Dates	IC-ENC
P-14	Marine Spatial Planning Workshop	NIOHC / RSAHC	37,900 €	Led by Dates	IHO
P-15	Hydrographic Survey with Unmanned Survey Vessels (USVs)	MBSHC	20,650 €	Led by Dates	Not funded yet
P-16	Tides and Water Level Workshop	SWAHC	17,600 €	Led by Dates	Not funded yet
P-17	Data Conversion, Validation and Release of S-100 Products	MBSHC	20,650 €	Led by Dates	Eventually by IC-ENC
P-18	MSDI and Database Management (5 days)	RSIHC	41,660 €	Led by Dates	Not funded yet

→	P-19	S-57 to S-101 conversion and S-100 production Course	SWAHC	21,100 €	Led by Dates	Eventually by IC-ENC
→	P-20	MSDI and Database Management Training	MBSHC	18,340 €	Led by Dates	Not funded yet
→	P-21	Introduction to Tides and Water Levels Workshop	MACHC	26,400 €	Led by Dates	Not funded yet
→	P-22	S102, S104 & S111 Training	MBSHC	20,650 €	Led by Dates	Eventually by IC-ENC
→	P-23	ENC Quality and conversion course (S-57 to S-100 Conversion)	MACHC	32,900 €	Led by Dates	Eventually by IC-ENC
→	P-24	Introduction to S100 and S1xx Products	MBSHC	20,650 €	Led by Dates	Eventually by IC-ENC
→	P-25	S100 Migration Planning	MBSHC	20,650 €	Led by Dates	Eventually by IC-ENC
→	P-26	Basic S100/S101 Production Course-10 days	RSIHC	32,895 €	Led by Dates	Eventually by IC-ENC
→	P-27	Seminar on Interpretation and Enhancement of MSI	EAIHC	19,950 €	Led by Dates	Not funded yet
→	P-28	Training on the Production of S-102 Bathymetric Surfaces	EAIHC	18,700 €	Led by Dates	Eventually by IC-ENC
		Subtotal of P (Provision)	-	906,351 €		

Resources:

IHO = IHO budget
 IHO-ROK = ROK contribute to Non-Earmarked projects
 IC-ENC = International Centre for Electronic Navigational Charts
 ROK = IHO/ROK Programme of Technical Cooperation
 Nippon = IHO-Nippon Foundation GEOMAC Project

Total	947,031 €
Non-Earmarked Activities	
IHO	136,510 €
IHO-ROK	59,780 €
IC-ENC	83,797 €
SubTotal	280,087 €
Earmarked Activities	
ROK	0 €
Nippon	331,149 €
SubTotal	331,149 €
Not Funded Yet	
Not funded yet	335,795 €



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CAPACITY BUILDING – NEW INITIATIVES

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- A. CREATION OF THE *IRCC FUND GENERATION PT***
- B. *TIGHT LIAISON WITH THE TWO RENCs* (IC-ENC approved an “*OPT-IN Fund*” and PRIMAR approved an “*PRIMAR S-100 CB Fund*” to support IHO CBWP)**
- C. RE-ACTIVATION OF THE *JOINT IHO/IMO/IALA/IOC/WMO/FIG/AIEA/IMPA CB INITIATIVE* (“*TO DELIVER AS ONE*” ... ***PRIORITY 1: S-100 IMPLEMENTATION ACTIVITIES***)**
- D. *CLOSE LIAISON WITH IMO* FOR FINANCING S-100 CB ACTIVITIES PROPOSED BY THE RHCs**
- E. *RESEARCH FOR OPTIONS FOR CHARGING THE IHO DIGITAL STANDARDS SERVICES TO INCREMENT THE IHO CB FUND***



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CAPACITY BUILDING PROGRAMME – COURSES

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- ***CAT A courses at USM sponsored by ROK*** (2 candidates selected for 11th course 2023/2024; 2 candidates selected for 12th course 2024/2025 starting in August 2024 with IHO CL 05/2024). ***CL34/2024 has a call for 2 candidates for the 13th Course 2025/2026 with a deadline of 31 December 2024.***
- ***Cat B course in Hydrography*** from 17 June to 1 November 2024 ***at KHOA-ROK*** (10 candidates selected – ***3 candidates selected from MACHC (Jamaica – Suriname – Venezuela)*** – with IHO CL 15/2024).
- ***GEOMAC Cat B course in Nautical Cartography at UKHO sponsored by Nippon Foundation*** (7 candidates selected - 2 candidates selected from MACHC (Cuba – Venezuela) - with IHO CL 17/2024).



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CAPACITY BUILDING – EWH PROJECT

International Hydrographic Organization

IHO EWH WEBPAGE



Establishment of a *Diversity, Equity and Inclusion (DEI) Project Team* (see call issued with the IHO CL 42/2024)

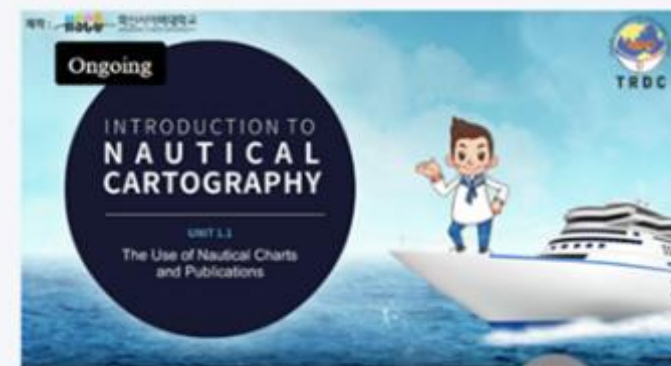


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CAPACITY BUILDING – E-LEARNING CENTRE

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Popular Courses



- **IHO e-Learning Center**: <https://elearning.iho.int> - IHO CL 24/2023 Steering Committee established - A General Manager Group formed from the SC - Seek for e-Learning material from Member States and partner organizations



RECOMMENDATIONS

17.1 MACHC members are invited to continue follow and evaluate the possibility to contribute to the CB Programme and focus their requests on the S-100 implementation.

17.2 MACHC members are invited to participate at the EWH project and provide proposals via the specific webpage (<https://iho.int/en/basic-cb-sc-ewh>) set up under the Capacity Building Sub-Committee (CBSC) for this project and respond to the IHO CL 42/2024.

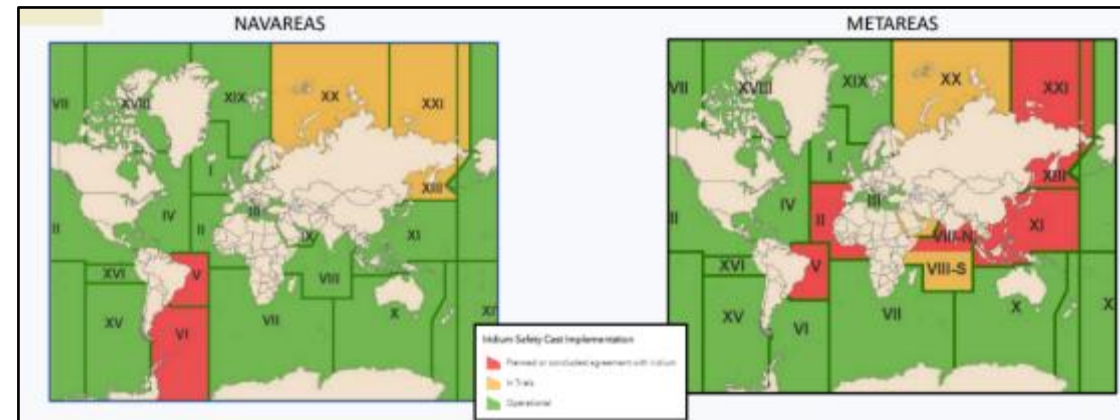
17.3 MACHC members are invited to provide contributions of online learning material to the Project Team established for the IHO e-Learning Center at KHOA.



IHO MARITIME SAFETY INFORMATION SERVICES

International Hydrographic Organization

- The *Iridium SafetyCast* service became SOLAS carriage compliant from 1 January 2020. WNWWS agreed that the use of all IMO RMSSs should be mandatory. A Letter from WNWWS and IRCC Chairs will be issued soon for relevant Member States to implement all IMO recognized mobile satellite services.
- Update of C-55 to showcase the GIS database
- **2024 Coastal States MSI capacity to be 89,2%** (IHO SPI 3.1.1 target is 90% by 2026).
- S-124, Edition 2.0.0 was endorsed by WNWWS and submitted to HSSC for approval.
- Paper submitted to MSC109 on developing guidelines for the use of IP based transfer methods for S-100 products such as S-124.



IHO SPI - Coastal States by NAVAREA

NAVAREA	Coastal States with MSI Capacity	Total Coastal States
NAVAREA XI (Japan)	21	21
NAVAREA XII (United States)	9	10
NAVAREA XIII (Russian Federation)	1	1
NAVAREA XIV (New Zealand)	12	12
NAVAREA XV (Chile)	1	1
NAVAREA XVI (Peru)	1	1
NAVAREA XVII (Canada)	1	1
NAVAREA XVIII (Canada)	1	1
NAVAREA XIX (Norway)	1	1
NAVAREA XX (Russian Federation)	1	1
NAVAREA XXI (Russian Federation)	1	1
WWNWS	190	212

IRCC18
Santa Cruz Island - Galapagos, Ecuador, 10 - 12 June 2024

SPI = 89.2%



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MARITIME SAFETY INFORMATION SERVICES

RECOMMENDATIONS

MACHC members are invited to:

20.1 Encourage all information providers (NAV and MET Area Coordinators and RCCs) to use the SafetyCast system and progress towards declaring full operational status.

20.2 Establish and maintain effective communications with the relevant NAV and MET Area Coordinators to ensure the timely provision of MSI, by following the guidance provided in S-53 – Joint IMO/IHO/WMO Manual on Maritime Safety Information, to ensure the necessary facilities and capabilities are provided and maintained for the gathering and communication of MSI within their area of national responsibility.

20.3 Contribute to the reflection on the actual status of MSI provision within Coastal States for a more appropriate definition of SPI 1.3.1, in the light of the revision of the IHO Strategic Plan (see Recommendation 8.4).



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CROWDSOURCED BATHYMETRY – GEBCO – SEABED 2030

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Coastal states were requested by the IHO to indicate their position on the public sharing of CSB data collected within waters subject to their national jurisdiction.

To date, 37 coastal states (green) have replied positively to IHO CL 21/2020 & IRCC CL 1/2020



Responses from MACHC Member States :

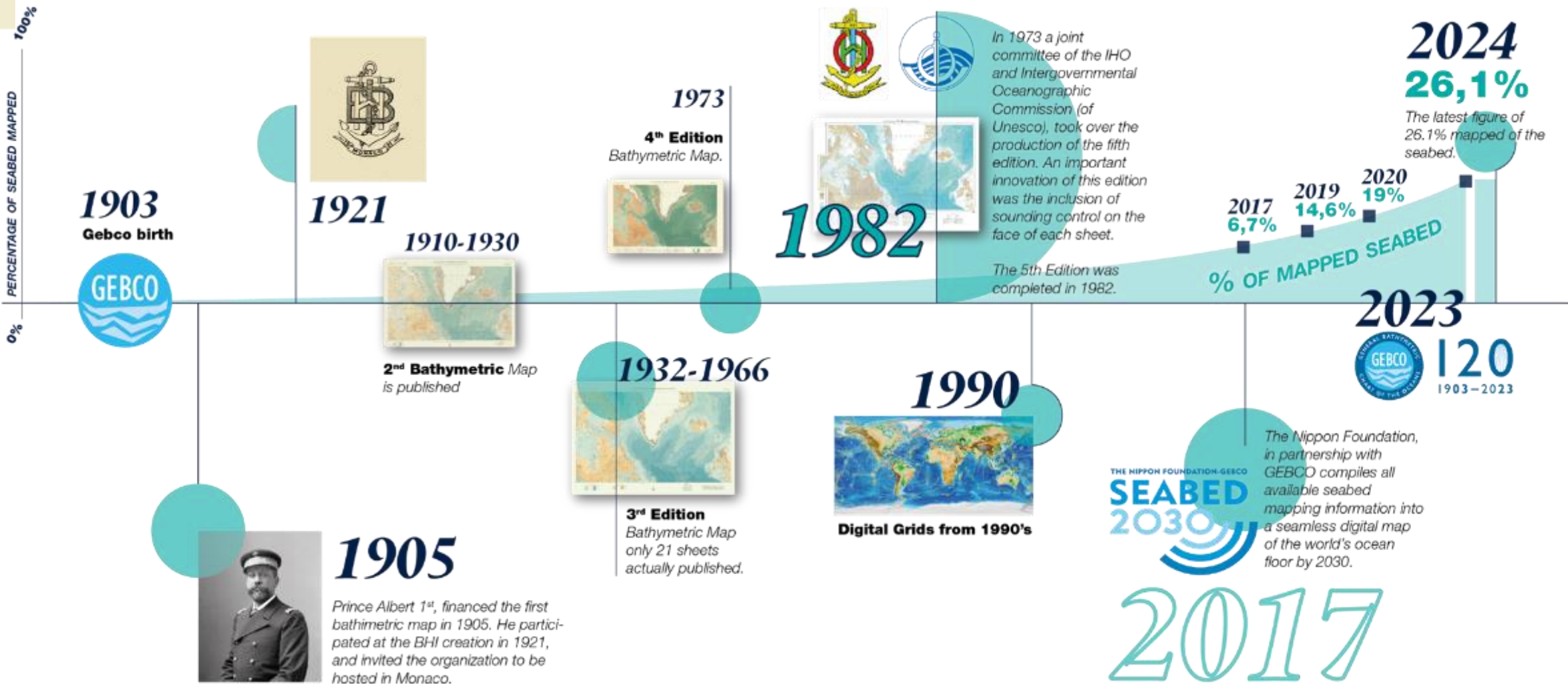
**Brazil, Colombia, Costa Rica, France,
Netherlands, UK, USA**



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CROWDSOURCED BATHYMETRY – GEBCO – SEABED 2030

International Hydrographic Organization

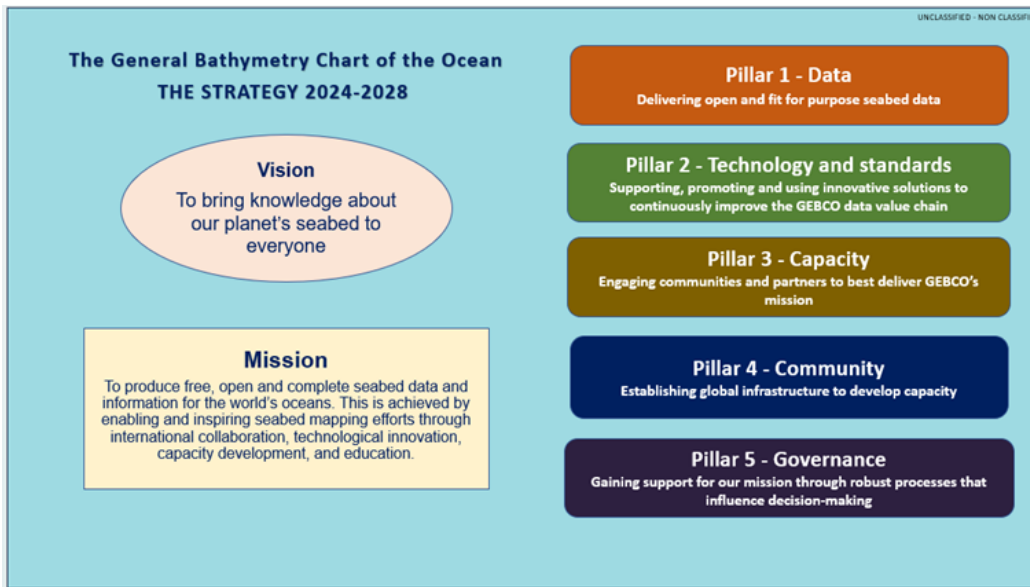




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CROWDSOURCED BATHYMETRY – GEBCO – SEABED 2030

International Hydrographic Organization



26,1% is the latest percentage of ocean floor mapped, marking an increase of 4,34 million square kilometers of new data - equating to an area the size of the European Union



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CROWDSOURCED BATHYMETRY – GEBCO – SEABED 2030

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RECOMMENDATIONS

25.1 Consider the impacts of the increasing global societal and United Nations (UN) driven need to complete the picture of the seafloor as well as the potential benefits to individual coastal States.

25.2 Make data freely available for inclusion in the DCDB and the widest possible use, in accordance with IHO Resolution 1/2017.

25.4 Consider to respond to the IHO CL 21/2020 and IRCC CL 1/2020 to indicate their positions on the provision of CSB data.

RHC	% 2024
ARHC	20.34
BSHC	47.14
EAHC	12.32
EAHC-K	40.54
EAtHC	33.54
HCA	15.49
MBSHC	54.23
MACHC	29.32
NHC	46.85
NIOHC	12.11
NSHC	55.16
ROPME	6.34
SEPRHC	19.04
SWATHC Reg. c1b	26.87
SWATHC	42.27
SWPHC	16.06
SAIHC	17.27
USCHC-Pacific	26.44
USCHC-Atlantic	39.88



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IHO – U.N. DECADE & U.N. OCEAN CONFERENCE 2025 (UNOC25)

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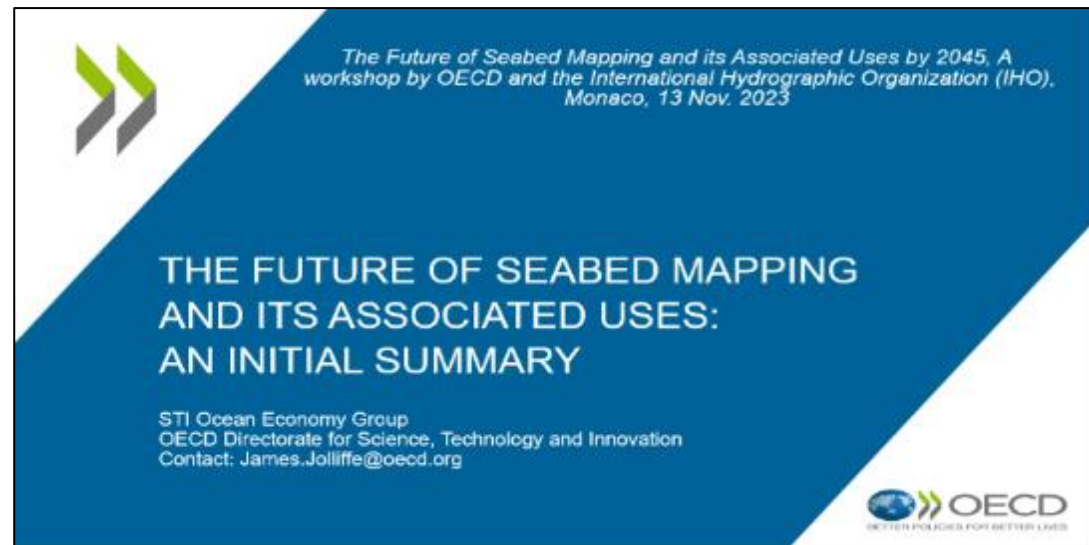
UN OCEAN DECADE:

Two satellite-events: OECD-IHO on *“The seabed data we need for the ocean we want”* and IMO-WMU-IHO on *“Empowering Women for the Ocean Decade: Achieving Gender Equality in Ocean Sciences and Policy Making”*

UNOC25:

Initial contacts with the Principality of Monaco and the Foundation Prince Albert II for identifying themes to be presented in the *“Blue Economy and Finance Forum”* (BEFF) in Monaco on 7-8 June 2025 and at UNOC25 (9-13 June 2025). **CBSC23 & IRCC17 (3-5 June 2025) will be held in Monaco at the IHO Secretariat.**

RECOMMENDATION: MACHC is invited to take note of the engagement of the IHO Secretariat in the UN initiative and the items for further consideration.





IHO

TECHNICAL PROGRAM AND S-100 IMPLEMENTATION

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- As presented in CL 43/2023, the HSSC intends to adhere to the following schedule:

TASK	IHO CL issue date	MS Response due
<i>S-100 Edition 5.2.0</i>	IHO CL 18/2024 (Jan 2024)	IHO CL 27/2024Rev1 (Jun 2024)
<i>S-100 Phase 1 Endorsement</i>	IHO CL 39/2024 (Oct 2024)	December 2024

Phase 1 / Route Monitoring

**Phase 1
Route Monitoring Mode**

- S-101 ENC
- S-102 Bathymetry
- S-104 Water Level
- S-111 Surface Currents
- S-124 Navigational Warnings
- S-129 UKC Management

Critical Framework

- IHO Geospatial Information Registry
- S-98 Interoperability Specification
- S-100 Universal Hydrographic Data Model
- S-128 Catalogue of Nautical Products
- S-164 Test Data Set for S-100 and ECDIS Type Approval



Phase 2 / Route Planning

**Phase 2
Route Planning Mode**

- S-122 Marine Protected Areas
- S-123 Marine Radio Services
- S-125 Marine Aids to Navigation (AtoN)
- S-126 Marine Physical Environment
- S-127 Marine Traffic Management
- S-131 Marine Harbour Infrastructure
- S-411 Ice Information (WMO)
- S-412 Weather and Wave Hazards (WMO)

+ S-100 Products used in Monitoring Mode

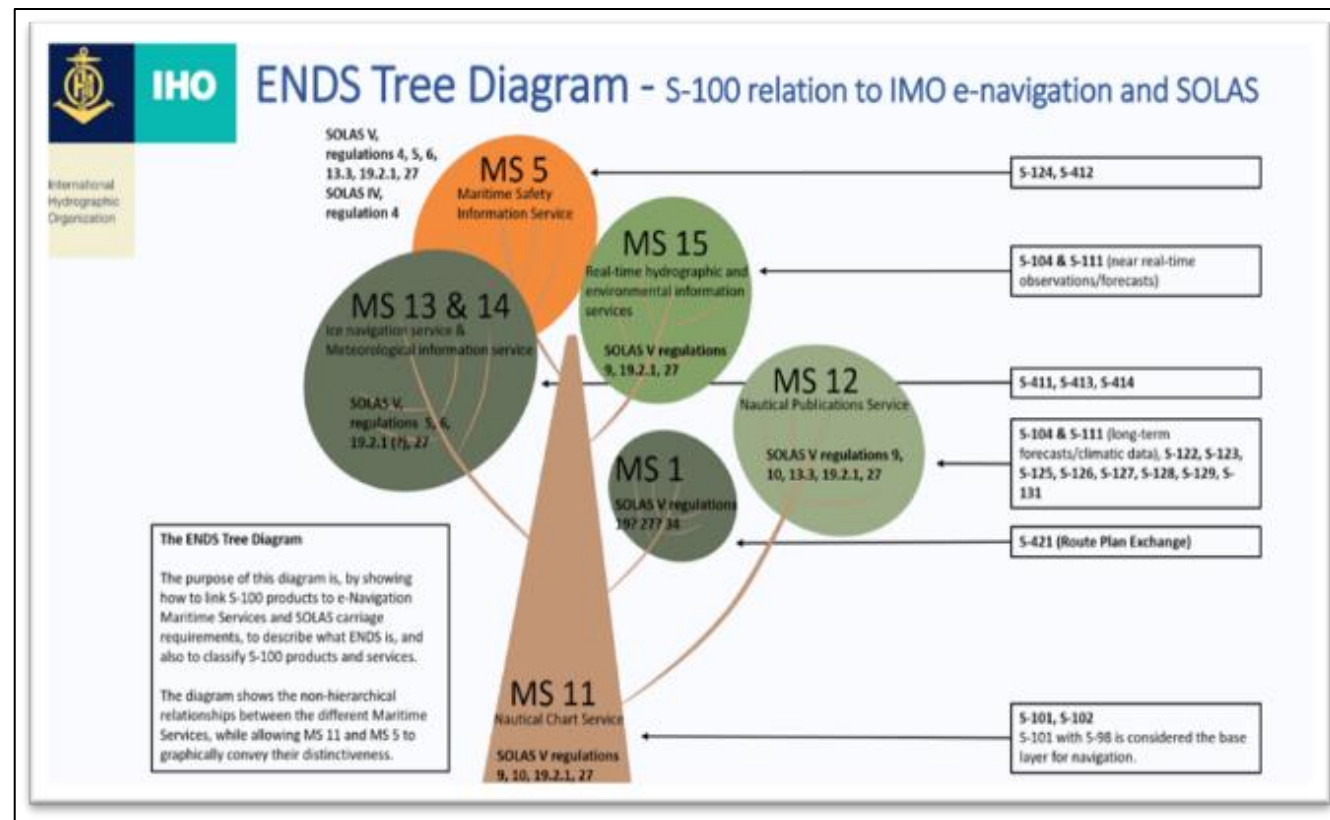
- S-100 Ed. 5.2.0 was adopted with the IHO CL 27/2024Rev1. The “operational” editions of the Phase I S-100-based Products Specifications (S101, S-102, S-104, S-111, S-124, S-129) were endorsed by HSSC with HSSC CL 02/2024.



IHO TECHNICAL PROGRAM AND S-100 IMPLEMENTATION

International Hydrographic Organization

- Future progression on the implementation of the S-100 Roadmap will be regularly reported by IHO to IMO (NCSR). From 2025 onwards, these reports will be based on respective IHO Member States and Regional Hydrographic Commissions reports and will provide the geographic coverage of S-101, other S-1xx products, ENDS schemes, and production plans per Charting Regions by digital means.
- INToGIS III remains the one-stop-shop platform to support the RHCs.
- RENCs confirmed that they had started to design the much more complex description of the diagram applicable to ENDS (Electronic Navigation Data Services) in the S-100 eco-system.





- WENDWG highlighted the importance of defining a S-100 capabilities-based approach at regional level for a timely and harmonized implementation of the S-100 Roadmap.
- At IRCC16, WENDWG was tasked to invite the RHCs representatives to develop their schedule to meet the 2026 IMO target (S-100 ECDIS) and share their own roadmap at the next WENDWG meeting to be held in February 2025.
- WENDWG also established an ad-hoc S-11 - Part C drafting team to develop a proposed Edition 1.0.0 of S-11 Part C *“Guidelines for the Coordination and Management of the Development of S-100 Electronic Navigational Data Services (other than S-101 ENCs)”*.



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S-100 / WEND

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RECOMMENDATIONS

35.1 MACHC Members are kindly requested to respond to the IHO CL 39/2024.

35.2 MACHC is kindly requested to implement the WEND recommendations and to develop a proper schedule to meet the 2026 IMO target (S-100 ECDIS) and share the own roadmap at the next WENDWG meeting via the regional representative (S-100 Coordinator) to the WENDWG.

35.3 MACHC Members are encouraged to liaise bilaterally to solve overlaps in the Region.



IHO IHO GIS AND DATABASES

International Hydrographic Organization

- Yearbook (P-5) and Status of Hydrographic Surveying and Charting Worldwide (C-55) are regularly updated.
- The IHO Online Form system has been used since March 2019 IAW IHO CL20/2019 and CL03/2020.
- An Esri-based GIS solution has been implemented for the efficient visualization of geospatial data.

RECOMMENDATION - MACHC is invited to review their entry in the IHO Yearbook P-5 and C-55 and to provide the IHO Secretariat with the appropriate updates or to report no change (CL 20/2019 refers).

Country	P-5 -Yearbook Last update received	C-55 Last update received
Brazil	June 2024	June 2024
Colombia	July 2024	October 2024
Cuba	August 2020	December 2016
Dominican Republic	January 2021	January 2023
France	November 2024	November 2023
Guatemala	June 2023	November 2024
Guyana	November 2021	December 2023
Jamaica	May 2023	December 2023
Mexico	October 2021	November 2012
Netherlands	January 2023	October 2022
Suriname	September 2019	December 2023
Trinidad and Tobago	September 2019	December 2023
United Kingdom	August 2024	December 2023
United States	June 2024	December 2018
Venezuela	October 2023	November 2021
Antigua and Barbuda	November 2012	November 2023
Barbados	November 2019	December 2023
Belize	-	December 2023
Costa Rica	March 2020	-
El Salvador	April 2017	December 2016
Grenada	November 2012	December 2023
Haiti	June 2017	December 2016
Honduras	February 2014	November 2005
Nicaragua	April 2017	-
Panama	September 2017	December 2023
Saint Kitts and Nevis	December 2020	December 2023
Saint Lucia	-	December 2023
Saint Vincent and the Grenadines	October 2014	December 2023
Bahamas	October 2016	December 2023



- The IHO website had a total of 988,000 in the first 10 months of 2024. The LinkedIn page grew to 10,500 followers by 15 November 2024 and reached total post impressions of 168,329 in the first 10 months of 2024.
- The Secretariat has increased its presence on social media through articles and news about its working groups, committees and subcommittees, especially in the framework of the UN Ocean Decade and the next appointment for the Ocean (UNOC2025).



Mapping the Future: Fiji Hosts Pivotal Meetings on Ocean Mapping and Hydrography

Suva & Nadi, Fiji — November 2024

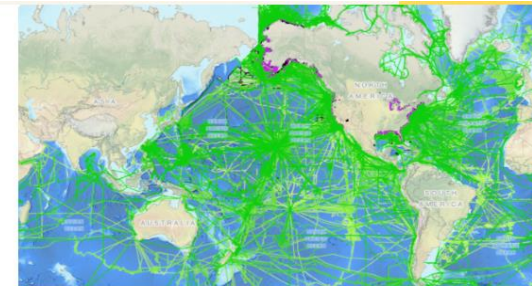
Fiji became the epicenter of global ocean mapping, hydrographic collaboration and geospatial information management as it hosted a series of landmark meetings with a strong focus on Pacific engagement. From the...



Council Members Discuss Progress in Transition to Smart Navigation and More

130 participants representing 45 Member States, Observers and partner organizations gathered at the IHO Secretariat in Monaco and online for the annual meeting of the Council from 15-17 October. Participa...

The main goals of the meeting were to review the work plan, take stock of progress, and decide on priority areas for the coming year.



IHO DCDB - temporary app during NCEI outage

Hurricane Helene caused severe damage to several areas of the East Coast of the USA, which in turn has significantly impacted the operations of NOAA's National Centers for Environmental Information (NCEI) in Ashevi...

[→ Read more](#)



IHO IHO OUTREACH – NEW IHO PORTAL

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- The IHO Secretariat is implementing **a new IHO Portal** to be used for the management of working documents and meetings registration. A transition phase from the website to the portal was defined from October 2024 to the end of March 2025. Detailed arrangements to set preferences on which one of the two to be used during the transition phase, will be coordinated with the Chairs of the IHO Working Groups and Project teams as well as the Regional Hydrographic Commissions. After 31 March 2025, all event preparations should exclusively use the new IHO Portal (*IHO CL 44/2024 refers*).

PREFERRED LANGUAGE/VOTRE LANGUE PRÉFÉRÉE: ENGLISH FRANÇAIS

IHO International Hydrographic Organization

ABOUT IHO INTER-REGIONAL COORDINATION SERVICES & STANDARDS PUBLICATIONS EVENTS & NEWS in f t DOCUMENT ARCHIVE

About the IHO

Important Notice

System Decommissioning and Transition to New Platform

We would like to inform you that the DocumentArchive system will be decommissioned by the **end of 2024**.

A new system is scheduled to launch in **January 2025**, bringing enhanced features and improved functionality to better serve.

Document Archive

Login Information for the current Document Archive:
Name: IHO-public-archive
Password: IHO-archive-98000

Please **do not modify** this publicly available login information under any circumstances.

We appreciate your understanding and cooperation during this transition, and we look forward to introducing the new system (IHO Portal) in 2025.

If you have any questions, please feel free to contact us at info@iho.int.

ABOUT IHO

- Importance of Hydrography
- Brochure, presentation & videos
- World Hydrography Day
- Acronyms Abbreviations Initialisms
- IHO Organigram
- IHO Logo

Looking for something specific?

News

- NEWS**
The digital twin of the navigable waters: paving the way for e-navigation
- NEWS**
Winner of the first Ex Abyssis ad Alta Award announced
- NEWS**
Global hydrographic community grows with 100th country joining the IHO

MORE TO FOLLOW ...



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IHO OUTREACH – WHD 2025 & IHR

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- As announced with IHO CL 43/2024, the proposed theme for WHD 2025 is ***“Seabed Mapping – Enabling Ocean Action”***
- Dr Patrick Westfield from Germany was confirmed for additional 2 years as IHR Editor until 2026. The Review is focused in facilitating interdisciplinary knowledge exchange in applied science, as hydrography encompasses fields such as geophysics, oceanography, geodesy, acoustics, cartography, remote sensing and others. IHR volumes from the entire collections (1923 to 2018) are available online <https://journals.lib.unb.ca/index.php/ihr>



RECOMMENDATIONS

47.1 MACHC Members are invited to take note of the content of the IHO CL 44/2024 and the links to the guidance document of the new IHO Portal.

47.2 MACHC Members are invited to respond to the IHO CL 43/2024 with reference to the proposal of the 2025 WHD.

47.3 MACHC Members are encourage to contribute to the IHR and propose articles/notes for the publication on the Review.



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ACTION REQUESTED OF RSAHC

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- a) Note this report**
- b) Consider all the Recommendations proposed in this report**
- c) Take any other actions as considered appropriate**





IHO Portal

(How to create user account & register meetings)



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CONTENTS

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- 1. Introduction**
- 2. Flow charts**
- 3. Practice 1: Create user account**
- 4. Practice 2: Join membership for Committee/WG/PT**
- 5. Practice 3: Register IHO meetings**



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1. INTRODUCTION

Reference doc: IHO CL44/2024

- The IHO Portal working platform centralizes **meeting registration** and **the management of working documents** supporting and resulting from the activities of the various IHO organs and subordinate bodies through **individual accounts**.
- Fully operational from **January 6th 2025**:
A dual use period has been agreed, allowing both the current system and the new IHO Portal to be used for the registration on IHO events from October 2024 to the end of March 2025. After 31 March 2025, all event preparations should exclusively use the new IHO Portal.

[https:// portal.iho.int](https://portal.iho.int)



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2. FLOW CHART 1 (MEMBER OF COMMITTEE/WG/PT)

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Skip if you have a Portal account already.



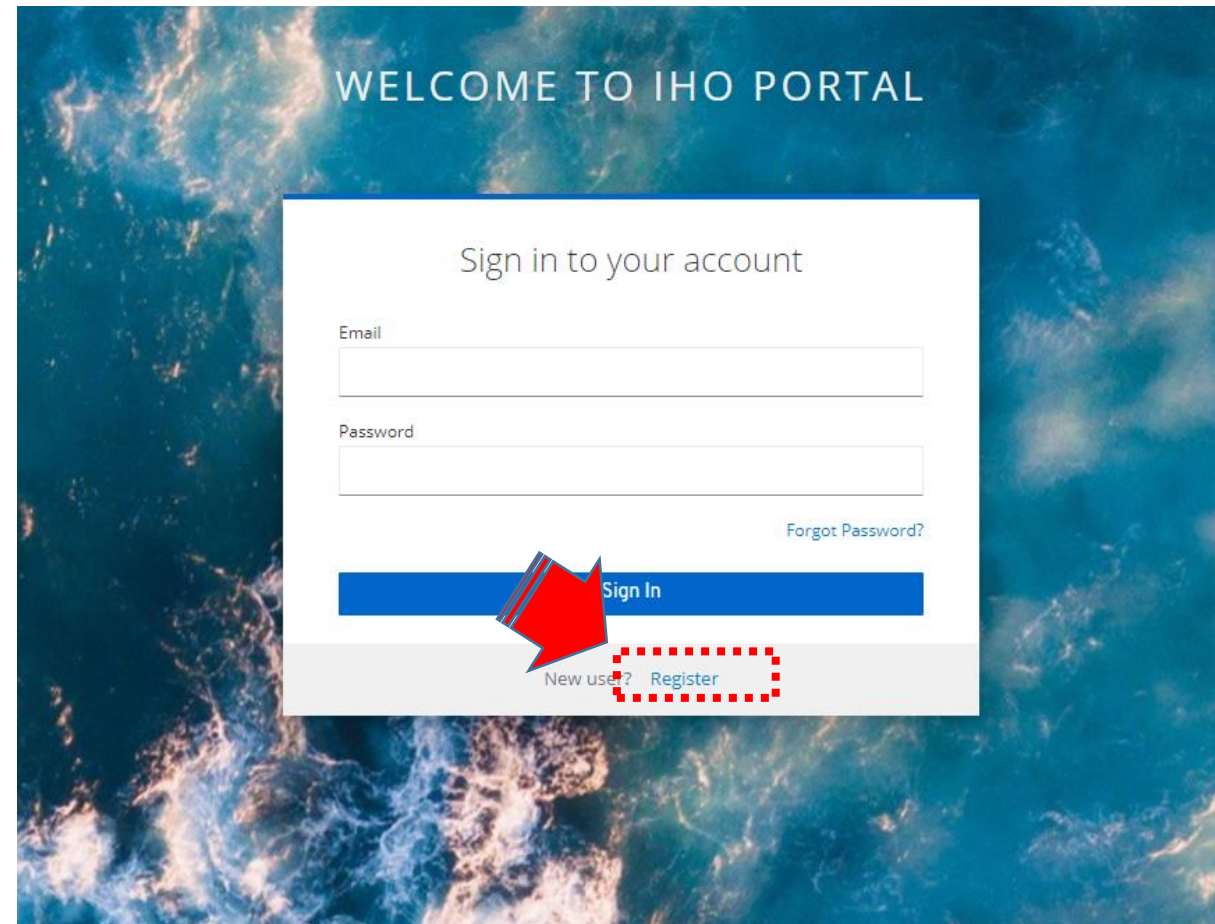


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3. PRACTICE 1 : CREATE USER ACCOUNT (1/3)

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1. Access to IHO Portal : <https://portal.iho.int>
2. Create a new account, clicking “*Register*” button.





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3. PRACTICE 1 : CREATE USER ACCOUNT (2/3)

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3. Fill out the form

- ❖ **Password:** 8 or more characters in length including at least 1 special character, at least 1 upper case character, and at least 1 lower case character.

4. Check your email to be completed

- ❖ **Noted** that if not verified within 5 minutes, the verification will expire.

Subject : Verify email

Body :

Someone has created a Welcome to IHO Portal account with this email address.
If this was you, click the link below to verify your email address

[Link to e-mail address verification](#)

This link will expire within 5 minutes.

If you didn't create this account, just ignore this message.

WELCOME TO IHO PORTAL

Register

First name
Yong

Last name
BAEK

Email
yong.bxxxx@iho.int

Password
.....

Confirm password
.....

[« Back to Login](#)

Register



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3. PRACTICE 1 : CREATE USER ACCOUNT (3/3)

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5. Complete personal information

- 1) Upload your photo (optional), clicking the gray circle.
- 2) Type your roles and responsibilities of your organization in the description field (optional)
- 3) Fill in the mandatory field (*) to be completed

❖ **Note:** Subscribe to the newsletter (In preparation)

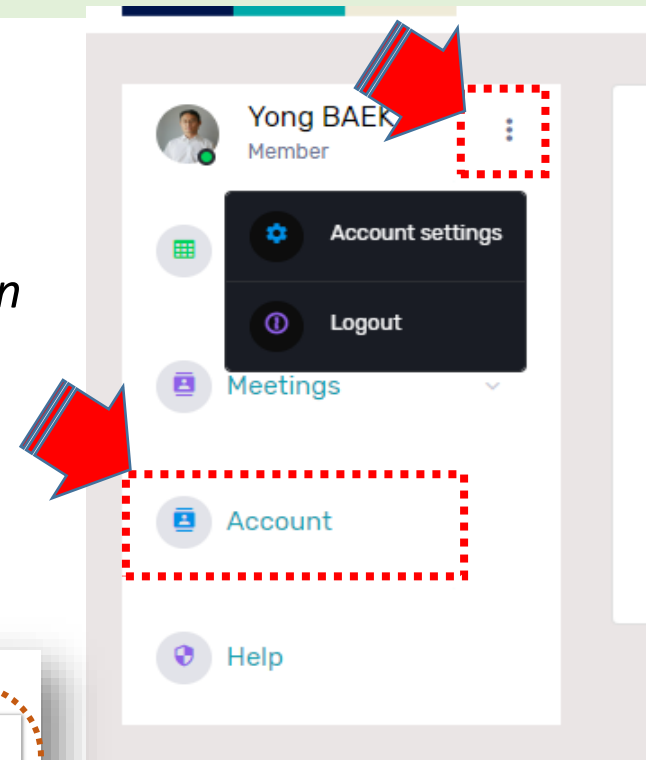
The screenshot shows the 'My profile' form with three numbered callouts:

- 1**: Points to the profile picture upload area.
- 2**: Points to the 'Description' text area.
- 3**: Points to the 'Organization' and 'Location' sections, which contain mandatory fields marked with an asterisk (*).

The form fields include:

- Organization / Cie * (IHO)
- Department (Typing ...)
- Salutation * (Mr.)
- Email * (yong.baek@iho.int)
- Country * (Monaco)
- Address Location (4b quai Antoine 1er B.P. 445)
- Town (MONACO CEDEX)
- Phone Number (Typing ...)

At the bottom, there is a 'Change Password' section with a note: 'If you click "Change Password" below, a link to change the password will be sent to you by mail. You can log in after changing your password.' Below this is a checkbox for 'Subscribe to the newsletter' and 'Back' and 'Save' buttons.





1. Search Committee/WG/PT

- **My committee** : a list of groups you are a member of or under the application process to join.
- **All committee** : all list of IHO Committees/WGs/PTs .

All Committees

All IHO HSSC IRCC RHCs

S-100

#	Title	Creation date	Status	Main Group
1	[S100 SS PT] S-100 Security Scheme Project ...	09 Jun 2023	PUBLIC	HSSC
2	[S100P PT] S-100 Open Online Platform Proje...	23 Jun 2023	PUBLIC	S-100WG
3	[S100 ICE PT] S-100 Infrastructure Centre Est...	09 Jun 2023	PUBLIC	HSSC
4	[S-100WG] S-100 Working Group	14 Mar 2016	PUBLIC	HSSC

HSSC > S-100 Working Group

Information Members Documents Meetings TaskGroup

Group Option

Main Category: Working Group Status: PUBLIC

Organ Tree: HSSC

Date

Creation Date: 03/14/2016 Modification Date: 11/30/2023

Closing Date: mm/dd/yyyy

Reference Link

Title: S-100 Working Group

Short Title: S-100WG

Description: Objectives: maintain, develop and extend the S-100 - Universal Hydrographic Data Models

Yong BAEK Member

Committee

My Committees

All Committees

Archive

Meetings

Account

Help



- 2. **Select** a Committee/WG/PT from **All committee** to become a member
- 3. **Click** “Join” button, then **select** a category of your representation

All Committees

All IHO HSSC IRCC RHCS

1 [IRCC] Inter-Regional Coordination Committee 05 Jun 2009 PUBLIC

Inter-Regional Coordination Committee

Information Members Documents Meetings TaskGroup

Group Option

Main Category: Committee Status: PUBLIC

Organ Tree: NONE

Date

Creation Date: 06/05/2009 Modification Date: 11/01/2023

Reference Link

IHO IRCC webpage

Back Join

Group Join

Representation

#	Classification	Category	Sub-Category(Org/Cie)	Action
	IHO Member State	Monaco	DIRECTION DES AFFAIRES	Add

Back Join



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4. PRACTICE 2 : JOIN COMMITTEE / WG / PT (3/3)

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4. Confirm your application of the membership

❖ **Note:** You will receive a notification email for both the request and also the updates if made.

My Committees

In action Archive

Title Search...

#	Title	My Grade	Status	Joined
8	[IRCC] Inter-Regional Coordination Committee	Pending	PUBLIC	-
4	[IHO-KHOA TCB] IHO-KHOA Technical Coordin...	IHO Sec	PRIVATE	02 Oct 2023

From noreply@iho.int @

To yong.baek@iho.int @

Subject [IHO Portal] Requested successfully to the Inter-Regional Coordination Committee

Subject : [IHO Portal] Requested successfully to the Portal Development and Maintenance Team

Body :

Dear Hyodong SEO,

Your application has been sent out to IHO Secretariat successfully. It is going to be processed to review your request and you will receive the result accordingly soon.

If you do not hear the result or any progress for a while, please contact to IHO Secretariat (info@iho.int).

Thanks for joining the Portal Development and Maintenance Team. We are expecting to work with you soon.

IHO Portal Administrator

This email is outgoing only. Please do not reply to this email.

[Click here to IHO Portal.](#)



1. Check and process the registration application for the meetings under “My meetings” in “Meetings” menu.

- ❖ **Note:** the lists under “My meetings” are those of which you are a member of Committee/WG/PT
- ❖ **Note:** “Upcoming” are those of which you are not a member of committee/WG/PT

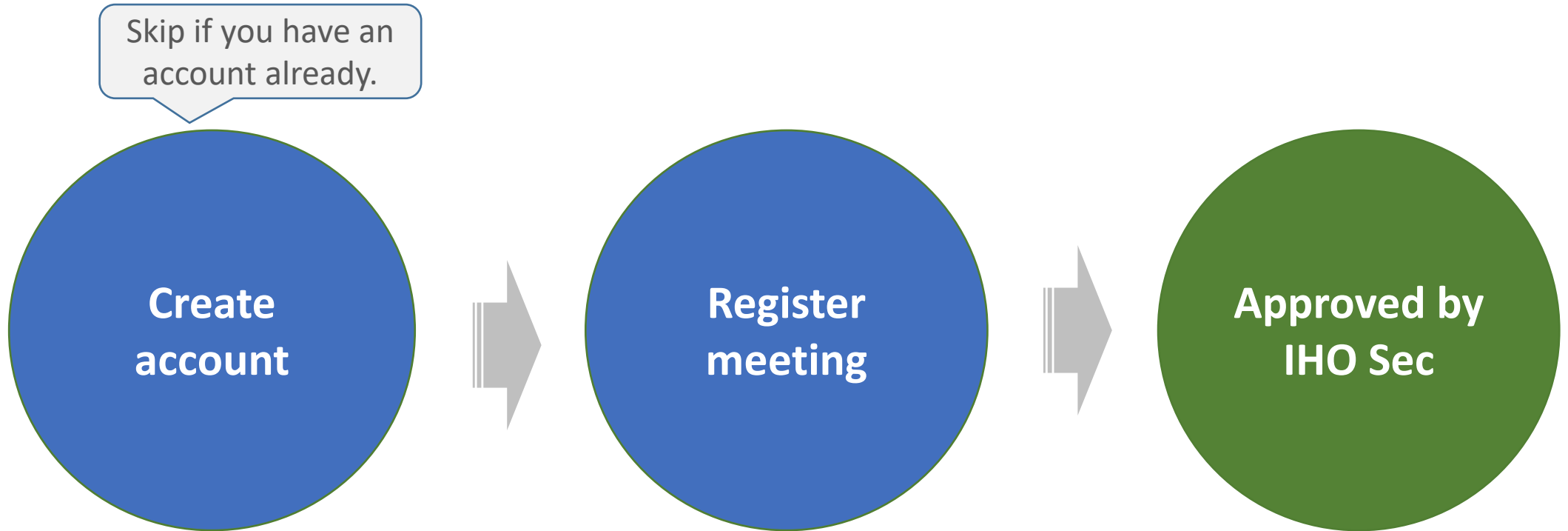
The screenshot displays the 'My Meetings' interface. On the left, a navigation menu includes 'Meetings', 'My meetings', 'Upcoming', 'Archive', 'Account', and 'Help'. The 'My Meetings' section features a table with columns: #, Title, Registration by, Event Start, Venue, MeetingMethod, and Registration. Row 3 is highlighted with a dashed orange box, indicating the selected meeting: '[ENCWG9] 9th mee...' with registration on 31 Jul 2024 and event start on 02 Sep 2024 in Denmark. A callout box points to the empty 'Registration' cell in this row, stating: 'If you are not registered in the meeting, the **Date is empty**.' Below the table, the 'Meeting information' section shows details for the '9th meeting of ENC working Group'. The registration form includes fields for 'Location' (Country: Denmark, Location: tbd), 'Date' (Registration Start: 05/01/2024, Registration end: 07/31/2024; Event Start: 09/02/2024, Event End: 09/05/2024), and 'Reference Link' (None). A 'Join' button is highlighted with a dashed orange box. To the right, the 'Travel and Representation' section contains 'Travel Info' (departure/arrival dates and flight numbers), 'Extra Info' (accompanying person, accommodation, special requests), 'Participant Info' (Name: YongBAEK, E-mail: yong.baek@iho.int, phone: +33 (0)6 26 52 40 67, address: 4b quai Antoine 1er B.P. 445), and a 'Representation' table with one entry: IHO, IHO Secretariat, IHO Sec, with a 'remove' button. A 'Join' button at the bottom right is also highlighted with a dashed orange box.



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2-1. FLOW CHART 2 (NON-MEMBER OF COMMITTEE/WG/PT)

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1. Check and process the registration application for the meetings under “Upcoming” in “Meetings” menu.

❖ *Note: “Upcoming” are those of which you are not a member of committee/WG/PT*

The screenshot displays the IHO Meetings registration interface. On the left, a sidebar menu includes 'Meetings', 'My meetings', 'Upcoming', and 'Archive'. The main area shows a table of upcoming meetings under the heading 'Upcoming - All Committees'. The table has columns for '#', 'Title', 'Registration by', 'Event Start', and 'Venue'. The first row is highlighted with a dashed orange box and corresponds to the '16th HSSC Meeting'.

#	Title	Registration by	Event Start	Venue
1	[HSSC16] 16th HSSC Meeting	19 May 2024	27 May 2024	Japan
3	[ENCWG9] 9th meeting of ENC working Group	31 Jul 2024	02 Sep 2024	Denmark
4	[S100WG9] 9th meeting of S-100 Working Gro...	04 Oct 2024	04 Nov 2024	Italy

The detailed view for the '16th HSSC Meeting' shows the following information:

- Title:** 16th HSSC Meeting
- Short Title:** HSSC16
- Description:** IHO Hydrographic Services and Standards Committee
- Location:** Country: Japan, Location: Tokyo
- Date:** Registration Start: 03/19/2024, Registration end: 05/19/2024, Event Start: 05/27/2024, Event End: 05/31/2024
- Reference Link:** IHO HSSC webpage

The registration form for the '16th HSSC Meeting' includes several sections:

- Travel Info:** Date/Time of departure, Flight No of departure, Date/Time of arrival, Flight No of arrival.
- Extra Info:** Accompanying person, Accommodation, Special request / Supplementary Information, Meeting method.
- Participant Info:** Name (AdminBAEK), E-mail (adt@iho.int), phone (+33(0)26524067).
- Representation:** A table with columns for '#', 'Classification', 'Category', 'Sub-Category(Org/Cie)', and 'Action'. The 'Classification' field is highlighted with a dashed yellow box and a callout: 'Must fill in the presentation field'. Below this table, a note states: 'You must add at least one presentation field.' and a 'Join' button is visible.

A callout box at the bottom left of the registration form states: 'You are not a member of the HSSC. Please click [HERE](#) to become a member. Otherwise your registration is at the discretion of the Group.'

Additional callouts include 'Travel and Representation' pointing to the top right of the registration form, and 'Must fill in the presentation field' pointing to the 'Classification' dropdown in the representation table.



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ANY ASSISTS

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- Contact details for the issue and support
 - Assistant Director : **Yong BAEK**
 - : addt@iho.int or info@iho.int
 - : +377 93 10 81 08