

# General update on IHO activities that may affect MBSHC and outcome of the 2nd Session of the IHO Assembly (A-2) and 4th meeting of IHO Council (C-4)

**Rear Admiral Luigi SINAPI**  
**IHO Director**





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**IHO MEMBERSHIP**

International  
Hydrographic  
Organization

- **Solomon Islands, Ghana, Samoa and Lebanon has been 91<sup>th</sup>, 92<sup>nd</sup>, 93<sup>rd</sup> and 94<sup>th</sup> Member of the IHO**
- **The non-IHO Member States of the MBSHC region (Albania, Israel and Libya) need to be encouraged to become IHO members**
- **The IHO Secretariat, in cooperation with the Department of External Relations of the Government of Monaco, stands ready to assist for membership of the IHO of non-member States in the Mediterranean and Black Sea region**



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## **INT CHART AND ENC PRODUCTION COORDINATION - REGION F**

International  
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Organization

- **The status of the INT chart scheme for region F is contained in Edition 4.0.6, May 2021 of S-11 Part B**

### **RECOMMENDATION**

- **MBSHC Member States are encouraged to continue to support the Chart coordinator and provide the IHO Secretariat with regular updates to S-11 Part B through INTToGIS**
- **If the resignation of Italy as Chart Coordinator is confirmed, the MBSHC is invited to designate a representative of the MBSHC in the WENDWG**



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**IHO GIS AND DATABASES**

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- **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 CL20/2019 and CL03/2020**

### **RECOMMENDATION**

- **MBSHC Member States are invited to review their entry in the IHO Yearbook and C-55 and to provide the IHO Secretariat with the appropriate updates or to report no change (CL 20/2019 refers)**



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## **OUTCOMES OF 2<sup>ND</sup> SESSION OF THE IHO ASSEMBLY**

International  
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- **Review of IHO Basic Documents/Resolutions, adopting the UN Guidelines on Gender-inclusive Language**
- **Joint IHO-Singapore Innovation and Technology Laboratory**
- **Revision of the IHO Resolution 2/1997 – Establishment of Regional Hydrographic Commissions (RHC)**
- **Celebrations of the IHO Centenary - WHD 21 June 2021**
- **IHO Revised Strategic Plan**

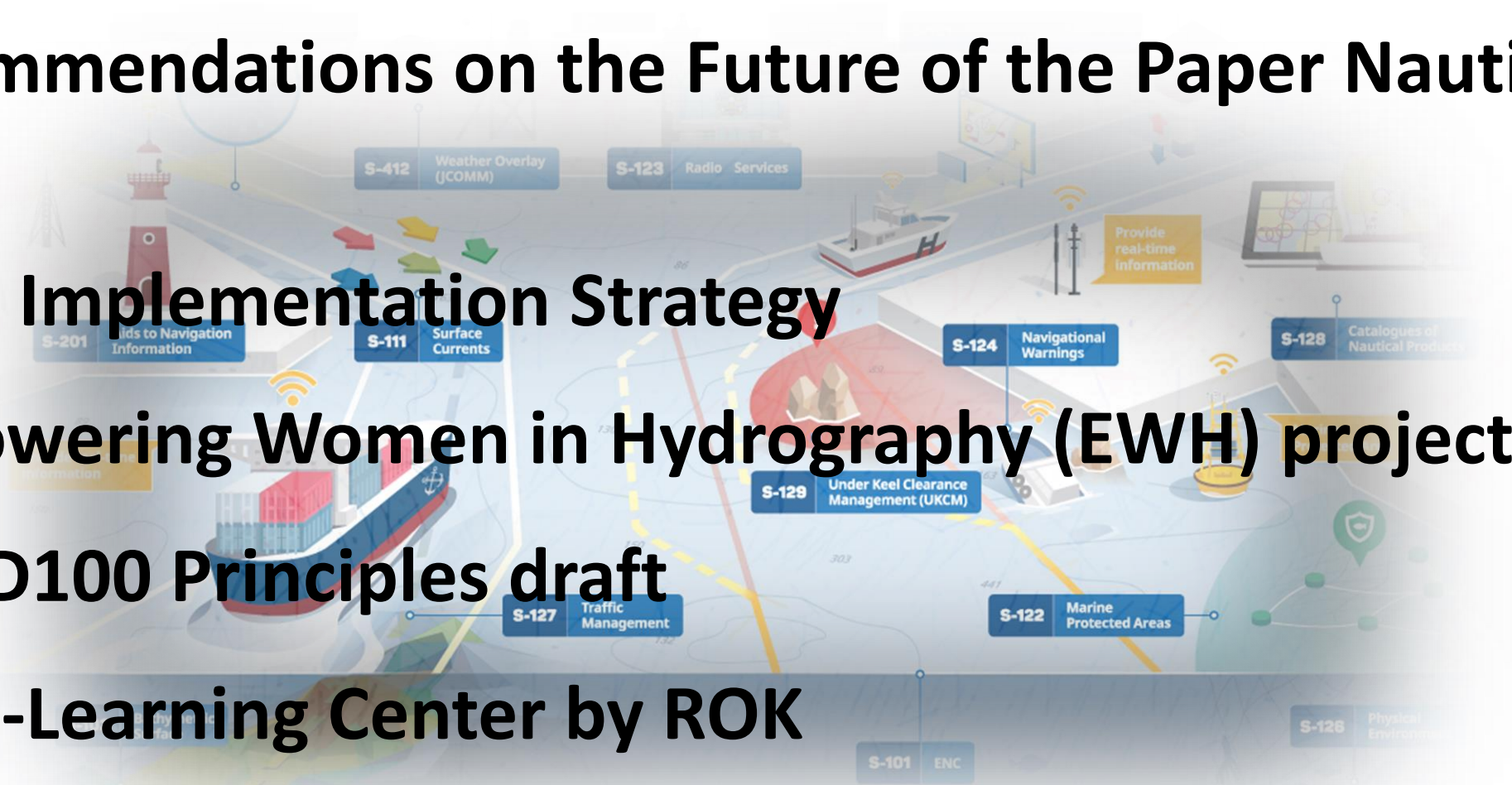


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# **OUTCOMES OF 2<sup>ND</sup> SESSION OF THE IHO ASSEMBLY**

International  
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- **New proposal for S-23 (new S-130PS – IHO CL 19/2021)**
- **Recommendations on the Future of the Paper Nautical Chart**
- **S-100 Implementation Strategy**
- **Empowering Women in Hydrography (EWH) project**
- **WEND100 Principles draft**
- **IHO e-Learning Center by ROK**
- **Three-year IHO Work Programme/Budget (2021-2023)**





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# **OUTCOMES OF 2<sup>ND</sup> SESSION OF THE IHO ASSEMBLY**

International  
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## **RECOMMENDATION**

- **MBSHC is invited to consider the need to adapt their respective instruments/Statutes to comply with the recommendations of the IHO Resolution 2/1997 as amended by A-2 as appropriate (Decision A2/09) and any other A-2 Decisions such as Decision A2/07 (gender-neutrality ) and A2/10 (response to disasters)**



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## **OUTCOMES OF 4<sup>TH</sup> MEETING OF THE IHO COUNCIL**

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- **Advise the IHO-Singapore Lab on “Dual Fuel Concept” and “Conversion of S-57 to S-101 and vice-versa” projects**
- **Set up the repository of the version-controlled of the S-100 Implementation roadmap, and maintain and update the Roadmap and resulting activities**
- **Work through the technical, operation and regulatory challenges associated with the transition from paper-based products and S-57 ENC's to the S-100 suite of standards and services**





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## **OUTCOMES OF 4<sup>TH</sup> MEETING OF THE IHO COUNCIL**

International  
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- **Monitor closely the appropriateness and applicability of the proposed SPI (Strategic Performance Indicators) IAW the proposals of IHO SG, IRCC and HSSC**

### **RECOMMENDATION**

- **MBSHC is invited to consider the new SPI allocated to IRCC by the Council, preferably prior to IRCC-13 in order to make proposals and recommendations on the targets/metrics/operational procedures in support of IRCC to monitor them**



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**IHO OUTREACH**

International  
Hydrographic  
Organization

- **The WHD 2021 as announced by IHO CL 01/2021 is: *“One hundred years of international cooperation in hydrography”***
- **The new IHO website totalled 258,363 page views in 2020, resulted in a 191% increase in followers on the IHO LinkedIn page; on Twitter 17,200 total views were recorded in April 2020; The video on WHD had over 16,000 views on the YouTube channel**



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**IHO OUTREACH**

International  
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- ***The INTERNATIONAL HYDROGRAPHIC REVIEW (IHR)*** is a benchmark for the worldwide hydrographers
- **Capt (ret) Brian Cannon (USA) is the new IHR Editor with effect from January 2020**
- **IHO staff and the IHR Editor are working on the IHR Website (available by 2021)**

### **RECOMMENDATION**

- **MBSHC is invited to contribute to the Review as an important means of sharing information on their activities and developments**

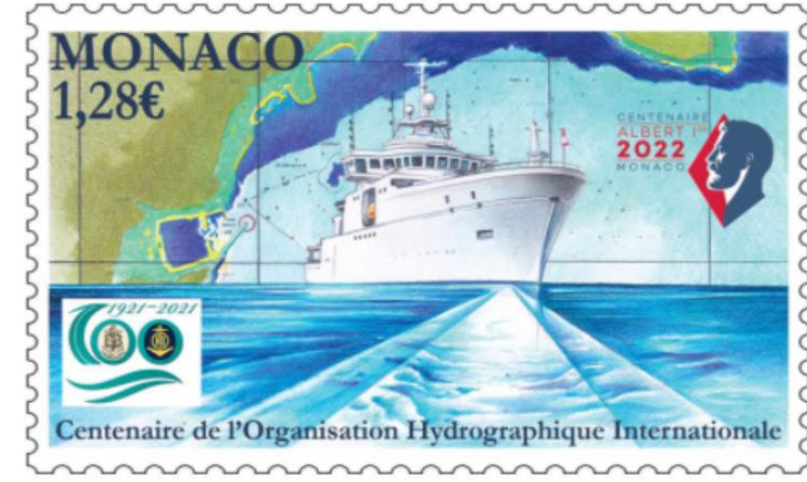


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# **IHO CENTENARY CELEBRATIONS (IHO-100)**

International  
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- **IHO Prestige Book**
- **Commemorative Stamp**
- **CL 01/2021 - CL 16/2021 on WHD**
- **21 June 2021 – Hybrid Celebrations**
- **Peak-of-the-Peak Day programme:**
  - **Event on the IHO terrace (speeches on the IHO Centenary)**
  - **Italian Navy Tall-Ship Amerigo Vespucci**
  - **Surveys and AUVs exhibition in Monaco's waters**



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# CAPACITY BUILDING WORK PROGRAMME

International  
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- A consolidated 2021CBWP approved and available on the CBSC web-page
- Due to the pandemic, most of the 2021CBWP items were carried over from 2020CBWP
- Only the 2021CBWP funded activities will be moved to the 2022CBWP

INTERNATIONAL HYDROGRAPHIC ORGANIZATION  
Adopted 2021 CBWP

Updated: 1/3/2021

IHO WP Element: Capacity Building Assessment - Technical and High-Level Visits					
No.	Events	Responsible	Budget	Status	Resources
A-01	Technical Visit and Regional training center visit to Côte d'Ivoire (former 2020 A-04)	EAtHC	5,000 €	Led by Date	IHO
A-02	Technical Visit to Republic of Tanzania	SAIHC	4,600 €	Led by Date	IHO
A-03	Technical Visit to Honduras	MACHC	4,200 €	Led by Date	IHO
A-04	Technical Visit to Congo (former 2020 A-01)	EAtHC	5,000 €	Led by Date	IHO
A-05	High-level and Technical Visit to Senegal (former 2020 A-08)	EAtHC	5,000 €	Led by Date	IHO
A-06	High Level Technical Visit to Dominican Republic	MACHC	5,000 €	Led by Date	IHO
A-07	High Level Technical Visit to Jamaica	MACHC	5,000 €	Led by Date	IHO
A-08	Technical Visit to Cambodia	EAHC	5,720 €	Led by Date	IHO
A-09	Technical Visit to Bolivia (former 2020 A-02)	SWAtHC	2,880 €	Led by Date	IHO
A-10	Technical Visit to Comoros (former 2020 A-03)	SAIHC	5,000 €	Led by Date	Not funded yet
A-11	Technical Visit to Madagascar (former 2020 A-05)	SAIHC	5,000 €	Led by Date	Not funded yet
A-12	Technical Visit to Somalia (former 2020 A-06)	NIOHC	10,300 €	Led by Date	Not funded yet
A-13	Technical Visit to Sierra Leone (former 2020 A-07)	EAtHC	5,000 €	Led by Date	Not funded yet
A-14	Technical Visit to Iran (former 2019 CBWP A-12)	RSAHC	3,000.00 €	Led by IHO Secretariat	IHO
		-	70,700 €		



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## **CAPACITY BUILDING WORK PROGRAMME**

International  
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- **A Project Team under the CBSC has been established to draft a revised Capacity Building Strategy (CBS). The new CBS should be adapted to the new IHO Strategic Plan and aligned with the IHO Strategic Goals**

### **RECOMMENDATION**

- **MBSHC members are invited to continue follow and evaluate the possibility to contribute to the CB Programme**



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## **CROWDSOURCED BATHYMETRY**

International  
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- **Develop and update the IHO publication B-12**
- **DCDB developed a geographic filter application, commenced initial discussions with the International Seabed Authority (ISA) and discussion with a number of commercial shipping companies to extract bathymetric data from their voyage data recorders**
- **RHC to identify regional coordinators to act as a point of contact for GEBCO-Seabed 2030 and CSB to raise the profile of data gather and provision within their respective Region**



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**CROWDSOURCED BATHYMETRY**

International  
Hydrographic  
Organization

## **RECOMMENDATION**

- **MBSHC Members and Associate Members are invited to officialize and/or review their positions on the conduct of CSB in their waters of jurisdiction (IHO CL 21/2020 and IRCC CL 01/2020), and to identify further potential sources of bathymetric measurements and survey data providers to contribute to the DCDB data holdings**





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## **GEBCO SUPPORT THROUGH SEABED 2030**

International  
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Organization

- **The 2020 Grid release showed 19% global coverage**
- **The Grid update is anticipated to occur in June 2021**
- **Three new initiatives: a) Ocean Frontier Mapping, b) Crowd Sourcing and c) Technical Innovation**

### **RECOMMENDATION**

- **MBSHC Members are invited to deepen cooperation and support to the Nippon Foundation GEBCO-Seabed 2030 project and encouraged to make more detailed and comprehensive seabed data available to GEBCO grids**



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## **OTHER MATTERS OF INTEREST OF MBSHC (IHO-CIESM AGREEMENT)**

International  
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Organization



- **On 26 March 2021, IHO and CIESM (Mediterranean Scientific Commission) have renewed their Scientific Cooperation Agreement for the next 4 years**
- **The Agreement provide a framework for active cooperation in marine science (available on IHO website)**



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## **OTHER MATTERS OF INTEREST OF MBSHC (IHO-CIESM AGREEMENT)**

International  
Hydrographic  
Organization

- **Strengthening scientific and technical synergies in their research and monitoring of marine waters**
- **Monitoring changes in the marine environment in the context of climate change**
- **Contributing to the global initiatives in favour of the Ocean**

### **RECOMMENDATION**

- **MBSHC members are encouraged to have an active role under the umbrella of the renewed IHO-CIESM Agreement**



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## **ACTION REQUESTED OF MBSHC MEMBER STATES**

International  
Hydrographic  
Organization

- A. Note** this report
- B. Consider** all the Recommendations proposed in this report
- C. Review** entries related to IHO C-55 and P-5 (Yearbook) at least annually
- D. Consider** submitting papers for publication in the International Hydrographic Review
- E. Take** any other actions as considered appropriate



# Thank you for the attention!

