



MESO AMERICAN - CARIBBEAN SEA HYDROGRAPHIC COMMISSION



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

November 29 - December 2, 2022
Saint Louis, Missouri, United States of America
Hybrid
List of Actions

Legend
White: open
Light Grey: continuous
Light Green: completed or closed

Action #	Reference	Action	Responsible party	Due date	Status
23.2.3.2	IRCC14 Recommendation 2	Members to discuss how Hydrographic Offices can assume a geo-coordinating role to help ensure provision of data on a regional level.	Members	IRCC15	
23.2.3.3	IRCC14 Recommendation 4 Climate Change	Members 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.	Members	IRCC15	

23.2.3.4	IRCC14 Recommendation 7 WEND-100 IGIF Matrix	MACHC to apply Action WENDWG12/33 (WEND-100 Product Matrix will be made available on the WENDWG Repository webpage when finalized).	MICC	MACHC23	Completed
23.2.3.5	IRCC14 Recommendation 17 WEND-100 IGIF Matrix	MACHC to reply to the WENDWG template Strategic Performance Indicator 1.3.1 (Ability and capability of Member States to meet the requirements and delivery phases of the S-100 implementation plan).	MICC	February 2023	
23.5.1.1	Capacity Building	Members to inform CB Coordinator of any wider CB opportunities that the MACHC Region can benefit from, including on the implementation of S-100 products	Members	February 2023	
23.5.1.2	Capacity Building	Members to review the Capacity Building Procedure 11 'MACHC Countries/Territories Capacity Building Phase Stage' within the MACHC CB Plan 2023-2025	Members / CBC Coordinator	February 2023	
23.9.3.1	WEND-100 IGIF Matrix	MICC to review and adjust the WEND-100 IGIF Matrix (S-111 to high and S-122 to low) in order to conclude the final Matrix to be submitted to the next WENDWG meeting	MICC	February 2023	
23.9.4.1	S-100 Coordinator	MACHC representative to WENDWG to request WENDWG to provide guidance or clarification on the nature of the coordinator role by S-100 product.	MICC Chair	February 2023	
23.10.1	MACHC Representation on IHO Council	MACHC Chair to inform the selection of the new representatives of MACHC on IHO Council to the IHO Secretariat	MACHC Chair	May 1, 2023	
23.10.6	MACHC24	Suriname to propose the period for the 24 th Conference of the MACHC	Suriname	December 20, 2022	Has had an agreement to be held in the week of December 11-15, 2023

Table 1: ACTION ITEMS FROM THE 22nd MACHC Conference

Action #	Reference	Action	Responsible party	Due date	Status
22.2.1.3 22.2.1.1.3	IHO/16.1 IRCC 13	MACHC is invited to consider extend the role of Charting Regional Coordinators for the implementation of the S-100 Implementation Roadmap and the future role of the Coordinator of the S-100 products and services for Region B.	MICC / Members	MACHC24	In progress
22.2.1.5	IHO/23.2	Establish and maintain effective communications with the relevant NAVAREA and METAREA Coordinators to ensure the timely provision of MSI.	Members	MACHC24	
22.2.1.1.4 22.3.b.3.1	IRCC 13	MACHC to coordinate the efforts on the implementation of S-100 and to promote the cooperation and exchange of experiences and best practices.	CBC / MICC / Members	MACHC24	In progress
22.2.1.1.7	IRCC 13 IRCC CL 01/2021	Coastal States in the Region to review the IHO Strategic Plan and complete a high-level gap analysis for each goal (Ref: SWPHC18 IHO Strategic Plan 2021-2026 Gap Analysis template - Annex E to SWPHC CL 05/2020).	MACHC Chair Members	MACHC24	MACHC Letter 2/2022 In progress
22.3.b.3.2	National Reports Hydrographic Survey	Share and facilitate the sharing of findings on future hydrographic capability of new technologies.	CB Coordinator / Members	MACHC24	
22.3.b.3.3	National Reports Hydrographic Survey	Share CATZOC/C-55 policies, in order to gain insight, and seek harmonization.	MICC / Members	MACHC24	

Table 2: ACTION ITEMS FROM THE 21st MACHC Conference

No	Reference	Action	Responsible party	Due date	Status
21.7.1.1 22.7.1.1	Disaster Response MSDI	Follow up with CDEMA Executive Director to explore collaboration opportunities for disaster response and for CDEMA to participate in the next MMSDIWG Meeting.	MACHC Chair / MMSDIWG	MACHC24	MACHC Letter 3/2022 Successive attempts to schedule short meeting with no success. In progress.

Table 3: ACTION ITEMS FROM THE 20th MACHC Conference

No	Reference	Action	Responsible party	Due date	Status
List of actions 20th MACHC meeting					
20.5.2	Capacity Building	COCATRAM 2020 Hydrography and Cartography Course content and logistics to be planned and participants from the region identified.	CB Coordinator / COCATRAM / IHO Secretariat / Colombia	Dec 31, 2023	Delayed by the pandemic, hope to hold in 2023.
20.6.4.b.3	Crowdsourced Bathymetry	IHO to determine how to handle responses from non-IHO coastal States to IRCC CL 1/2020 .	IHO Secretariat / Seabed 2030 Coordinator	MACHC24	In process- Contingent upon receipt of non-IHO coastal State responses.

Table 4: CONTINUOUS ACTION ITEMS

No	Subject mater	Action	Responsible party	Due date	Status
List of continuous actions 22nd MACHC Conference					
22.2.1.1.5	IRCC 13	Members and submitting institutions are encouraged to consult the Guidelines, the FAQs and the White Paper early in the process of preparing submissions for programme recognition.	Members	As appropriate.	Continuous.
22.2.1.1.6	IRCC 13	Members and submitting institutions are encouraged to engage with the IHO Secretariat early in the process of them preparing submissions for programme recognition.	Members	As appropriate.	Continuous.
22.5.1.1	Capacity Building IHO/13.3	Members are invited to consider participating on the Empowering Women in Hydrography Initiative hosted by NOAA OCS (for more information, contact: alexis.maxwell@noaa.gov) and providing proposals via the IHO EWH webpage (https://iho.int/en/basic-cbhc-ewh).	Members	As appropriate.	Continuous.
22.5.1.2	Capacity Building IHO/13.4	Members to consider contributing to the IHO e-Learning Centre project. See https://iho.int/en/miscellaneous-2 .	Members	As appropriate.	Continuous.
List of continuous actions 21st MACHC Conference					
21.2.1.6	IHO Secretariat (IHR)	Members are invited to submit papers for publication in the International Hydrographic Review .	Members	January or May.	Continuous.
21.2.1.1.11	IHO Secretariat (Seabed 2030)	Members are encouraged to promote the vital need to map the entire seabed.	Members / Seabed 2030 Coordinator	As appropriate.	Continuous.

No	Subject mater	Action	Responsible party	Due date	Status
21.2.1.1.12	IHO Secretariat (Seabed 2030)	Members are encouraged to make existing seabed mapping data available for use by Seabed 2030 Project in the GEBCO Grid.	Members / Seabed 2030 Coordinator	As data becomes available.	Continuous.
List of continuous actions 20th MACHC Conference					
20.5.1.2	Capacity Building	Provide/update content for the Training Opportunities section in English and Spanish of the MACHC Initiative website. (Contact Percy Pacheco) Kongsberg, COCATRAM, Spain, etc.	Members, Industry, Regional Orgs	Annually, or as changes occur.	Continuous.
20.5.3	Capacity Building	Members to liaise with their IMO representatives to request joint technical visits with IALA and IHO (funded by the IMO) as part of the IMO MS Audit Scheme (VIMSAS).	Members	As appropriate.	Continuous.
20.7.1.1	Disaster Response	Provide/update senior and working level POCs for Disaster Response in English and Spanish on the MACHC Initiative website.	Members	Annually, or as changes occur.	Continuous.
20.8.1.3	MSDI	Members and all coastal States are encouraged to make their other open marine spatial data available on the Caribbean Marine Atlas to take advantage of the excellent existing infrastructure and not have to recreate it individually.	Members	As data becomes available.	Continuous.
List of continuous actions 19th MACHC Conference					
19.4.1a 20.7.4	Reports from Observing Organizations	Engage National Tsunami Warning contacts and determine if inundation modelers are using the best	Members	Annually	Continuous.

No	Subject mater	Action	Responsible party	Due date	Status
		available bathymetric data to support improved land-sea inundation models.			
19.5	Capacity Building	Members to send capacity building and other requirements officially to the Chair to channel to others/committee/working groups who might help.	Members	Annually	Continuous.
19.5a	Capacity Building	Continually update the list of CB training activities on the MACHC Initiatives website sponsored by other Members, Committees, regional and other partners, such as FOCAHIMECA, COCATRAM, National training opportunities, IMarEST, etc.	CB Coordinator	Annually, or as changes occur.	Continuous.
19.8.1	SDI/MSDI (15.5.1.4) 20.8.2.1	Members to consider joining the UN-GGIM WG on Marine Geospatial Information. If not participating directly in the UN-GGIM WGMGI are encouraged to contact their national representatives to the UN to make them aware of the importance of this initiative (contact Mr. John Nyberg for further information) and its benefits.	Members	Annually	Continuous.
List of continuous actions 17th MACHC Conference					
17.2.1.1 20.2.3 21.2.2.1	IHO Secretariat (MSI)	Members not shaded in green in MSI status matrix on the MACHC Initiatives website (https://www.iho-machc.org/msi.html) should get in touch with NAVAREA IV and XII Coordinator (Mr. Christopher Janus) and/or IHO Secretariat (IHO Assistant Director Leonel Manteigas) to request an update as appropriate. Also ensure that National points of contact are accurate.	Members	Annually	Continuous.

No	Subject mater	Action	Responsible party	Due date	Status
17.2.1.4 21.2.1.5	IHO Secretariat (IRRC 8/32)	Members are strongly encouraged to review their entry in the P-5 (IHO Yearbook) and C-55 (Status of Hydrographic Surveying and Nautical Charting Worldwide) and to provide annually the IHO Secretariat with the appropriate updates or to report of “no change” (IHO CL 20/2019 refers). https://iho.formstack.com/forms/web_form_p5 https://iho.formstack.com/forms/web_form_c55	Members	Annually	Continuous.
	IRCC 11/8	National Coordinators to review the contents of the relevant Annexes of the GMDSS Master Plan and of section C (MSI) of IHO Publication C-55 (Status of Hydrographic Surveying and Nautical Charting Worldwide) to ensure consistency for their national entries.	Members	Annually	Continuous.
17.2.2.3	IRCC 8/8	Encourage closer engagement of the National MSI Coordinators of Members with the relevant NAVAREA Coordinator. Delegates to update their contact information in the NAVAREA IV list on the new MACHC Initiatives website.	National Authorities and Members to the NAVAREA Coordinator	Annually, or as changes occur.	Continuous.
17.2.2.4	IRCC 8/31	Be attentive to opportunities to raise awareness on the role of hydrography and the importance of improving mankind’s knowledge of the seas and oceans in support of the sustainable development goals, disaster risk reduction and the integrity of the oceans.	MACHC Chair in coordination with Members	As appropriate	Continuous. (examples: UN-GGIM; Seabed 2030; UN Decade of Ocean Science)

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17.5.2.3	Risk Assessment	Invite Ms. Dawn Seepersad to provide an update on her Risk Assessment project for the Greater Caribbean Region.	MACHC Chair	Annually till project completion.	Continuous.
17.6.4	DTM	Members to consider making ENC bathymetric and contour information available for the IBCCA project via GEBCO (DCDB).	Members	As data becomes available.	Continuous.
17.6.5 20.6.4.1 21.2.1.1.10	DTM	Provide existing bathymetric data (datasets and subsets) to the IHO DCDB (bathydata@iho.int), including that collected by private sector companies under their authorization. Guidance on how to contribute data is found in English and Spanish on the MACHC Initiative website.	Members	As data becomes available.	Continuous.