



INTERNATIONAL HYDROGRAPHIC ORGANIZATION
MESO AMERICAN & CARIBBEAN SEA HYDROGRAPHIC COMMISSION

MACHC21-Action List_Rev1



Action List
from
**21st Meso American & Caribbean Sea Hydrographic
Commission Meeting**
November 30 - December 3, 2020
VTC -- United States

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

Action #	Reference	Action	Responsible party	Due date	Status
21.2.1.1	IHO/11.1 MACHC/ 20.9.6	MACHC members are invited to check the quality of the information available in INTogIS II for Region B and report any discrepancies.	MICC/ Member States	MACHC 22	In Progress Approved as part of the MICC 2021 Work Plan
21.2.1.2	IHO/11.3	MACHC is invited to follow the finalization of the WEND100 principles, which will be presented at the next IRCC13 in June 2021, through the active participation at the WENDWG works.	MACHC Member States	IRCC 13	In Progress
21.2.1.4	IHO/23.1	MACHC Members and Associate Members are invited to officialise and/or review their positions on the conduct of CSB in their waters of jurisdiction (cfr. IHO CCLL 11/2019 and 20/2020) and to identify further potential sources of bathymetric measurements and survey data providers to facilitate the further completion of the DCDB data holdings.	Member States/ Seabed 2030 Coordinator	MACHC 22	All are either done, or In progress via Seabed2030 Strategy/WP

MACHC21-Action List_Rev1

Action #	Reference	Action	Responsible party	Due date	Status
21.2.1.5	IHO/32 IRCC12/3 IRCC11/18 MACHC/ 17.2.1.4	Countries in the MACHC Region are strongly encouraged 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).	Member States	MACHC 22	Existing Continuous Action
21.2.1.6	IHO/39	MACHC Members are invited to submit papers for publication in the IHR.	MACHC Chair Member States	MACHC 22	Continuous
21.2.1.1.1	IRCC 12/1	Share the publication S-67 Mariners' Guide to Accuracy of Depth Information in Electronic Navigational Charts (ENC) to the Marine Institutions and Schools.	Member States	IRCC 13	
21.2.1.1.2	IRCC 12/2 IHO/11.2	Member States to review the Future of Paper Charts report and provide feedback on it through the MACHC Chair to the Nautical Cartography Working Group (NCWG).	MICC WG and Member States	IRCC 13	
21.2.1.1.4	IRCC 12/4 IHO/8	MACHC to implement the IHO Resolution 2/1997 as amended by A-2. Partly implemented - Brazil and NL to work with MACHC Chair to examine further action.	MACHC Chair/ Brazil/ Netherlands	March 1	In Progress
21.2.1.1.5	IRCC 12/16	Invite the Member States who have experience in developing and providing e-Learning contents to share their resources and experiences to the IHO CBSC e-Learning Project Team.	Member States via MACHC CB Chair	IRCC 13	
21.2.1.1.6	IRCC 12/11	Promote the discussion of any item with relevance to SDI/MSDI/MSP and to take appropriate actions.	MMSDI WG	IRCC 13	
21.2.1.1.7	IRCC 12/12	Add CSB and Seabed 2030 initiatives as permanent Agenda items at future MACHC meetings.	MACHC Chair	MACHC 22	
21.2.1.1.8	IRCC 12/13	Encourage Member States to support the CSB initiative with positive actions, such as requiring all research vessels to collect bathymetric data for late uploading, when on passage or when it does not interfere with other research activities.	Seabed 2030 Coordinator/ Member States	IRCC 13	(In progress via Seabed2030 Strategy/WP.)
21.2.1.1.9	IHO/27 IRCC 12/14	Modify the current title of "RHC Seabed 2030 Coordinator" to a joint "RHC CSB/Seabed 2030 Coordinator" and provide the identification of the Coordinators.	MACHC Chair	March 1	Completed

MACHC21-Action List_Rev1

Action #	Reference	Action	Responsible party	Due date	Status
21.2.1.1.10	IHO/27 IRCC 12/16 MACHC/ 20.6.4.1, 17.6.5	Encourage MS to release datasets or subsets into the public domain via the IHO DCDB.	Seabed 2030 Coordinator/ Member States	IRCC 13	Existing Continuous Action
21.2.1.1.11	IRCC 12/17 IHO/27	Encourage Member States to promote the vital need to map the entire seabed.	Member States/ Seabed 2030 Coordinator	Continuous	In progress via Seabed2030 Strategy/WP
21.2.1.1.12	IRCC 12/19 MACHC/ 20.6.4.1 IHO/27	Encourage all Member States to make existing seabed mapping data available for use by Seabed 2030 in the GEBCO Grid.	Member States/ Seabed 2030 Coordinator	Continuous	In progress via Seabed2030 Strategy/WP
21.2.1.1.13	IHO/23.2 IRCC 12/20 MACHC/ 17.2.2.4	RHC to participate at Regional level in those actions of the UN Ocean Decade matching with IHO's new strategic targets (IRCC12-08C).	Member States/ Seabed 2030 Coordinator	Jan 15, 2021	Seabed 2030 Strategy submitted for UN Decade Program endorsement
21.2.2.1	MACHC 20.3, 17.2.1.1	Member States to review the MACHC Initiatives website to verify your respective MSI status. (https://www.iho-machc.org/msi.html)	Member States	MACHC 22	Existing Continuous Action
21.2.2.2	MACHC/20.3, 17.2.1.1 IRCC11/8	Member States to review and verify the MSI National Coordinator point of contact for your respective country and report any changes to navsafety@nga.mil by February 1, 2021	Member States	Feb 1, 2021	In progress
21.7.1.1		MACHC Chair to follow up with CDEMA Director to explore collaboration opportunities for disaster response	MACHC Chair	March 1, 2021	

Table 1: ACTION ITEMS FROM THE 20th MACHC

No	Reference	Action	Responsible party	Due date	Status
List of actions 20th MACHC meeting					
20.5.2		COCATRAM 2020 Hydrography and Cartography Course content and logistics to be planned and participants from the region identified.	CB Coordinator, COCATRAM, IHO, Colombia	12/31/2022	Delayed by the pandemic, hope to hold in 2022 as part of the next IMO biennium plan.
20.6.4.b.3		IHO to determine how to handle responses from non-IHO coastal states to IRCC CL 1/2020.	IHO	MACHC22	In process- Contingent upon receipt of non-IHO coastal State responses
20.7.1.2		Consider amendments for the MACHC disaster response framework based on the anticipated approval and amendment of the IHO resolution 1/2005 on disaster response at IHO Assembly-2.	MACHC Chair	MACHC22	

Table 2: STATUS OF PREVIOUS OPEN ACTIONS (as agreed at MACHC20)

No	Reference	Action	Responsible party	Due date	Status
List of actions 19th MACHC meeting					
19.5c 20.5	Capacity Building	Report on the efforts to develop an individual recognition scheme (for Latin American hydrographers graduated from CAT A and B programs)	IHO Secretariat with Brazil, Spain and Portugal	MACHC22	Open-in progress.

Table 3: CONTINUOUS ACTION ITEMS

No	Subject mater	Action	Responsible party	Due date	Status
List of continuous actions 20th MACHC meeting					
20.5.1.2		Provide/update content for the Training Opportunities section of the MACHC Initiative website. (Contact Percy Pacheco) Kongsberg, COCATRAM, Spain, etc.	All Member States, Industry, Regional Orgs	Annually, or as changes occur.	Continuous.
20.5.3		Member States 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).	MACHC Attendees	As appropriate.	Continuous.
20.7.1.1.		Provide/update senior and working level POCs on the MACHC website for disaster response and complete country/industry/regional disaster response capability and resource templates.	All Members	Annually, or as changes occur.	Continuous.
20.8.1.3		MS 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.	All Member States	As data becomes available.	Continuous.
List of continuous actions 19th MACHC meeting					
19.4.1a 20.7.4	Reports from Observing Organizations	Engage National Tsunami Warning contacts and determine if inundation modelers are using the best available bathymetric data to support improved land-sea inundation models.	MACHC Member States	Annually	Continuous.
19.5	Capacity Building	Members to send capacity building and other requirements officially to the Chair to channel to others/committees who might help;	MACHC Member States	ASAP	Continuous.
19.5a	Capacity Building	Continually update the list of CBC training activities on the MACHC Initiative website sponsored by other Member States,	CBC Chair	ASAP	Continuous.

No	Subject mater	Action	Responsible party	Due date	Status
		Committees, regional and other partners, such as FOCAHIMECA, COCATRAM, National training opportunities, IMarEST, etc.			
19.8.1	SDI/MSDI (15.5.1.4) 20.8.2.1	MS to consider joining the UN-GGIM-WGMGI. If not participating directly in the UN-GGIM WG on Marine Geospatial Information are encouraged to contact their national representatives to the UN to make them aware of the importance of this initiative (contact John Nyberg for further information) and its benefits.	MACHC Member States	Annually	Continuous.
List of continuous actions 17th MACHC meeting					
17.2.1.1 20.2.3	IHO Secretariat (MSI)	Countries not shaded in green in MSI matrix should get in touch with NAVAREA IV and XII Coordinator (Mr. Christopher Janus) and/or IHO Secretariat (Assistant Director Leonel Manteigas) to request an update as appropriate. Also ensure that National Points of contact are accurate.	MACHC Member States	MACHC 21	Continuous.
17.2.1.4	IHO Secretariat (IRRC 8/32)	Member States review entries related to IHO C-55, (Status of Hydrographic Surveying and Nautical Charting Worldwide, P-5 (yearbook) and ECDIS backup up arrangements (iaw. IHO CL 61/15) and report annually to IHO secretariat, including reports of “no change”. https://www.iho.int/iho_pubs/CB/C-55/c55.pdf	MACHC Member States	Annually	Continuous.
	IRCC 11/8	RHC Chair to request 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 – <i>Status of Hydrographic Surveying and Nautical Charting Worldwide</i> to ensure consistency for their national entries.	MACHC Chair	Annually	Continuous.
17.2.2.3	IRCC 8/8	Encourage closer engagement of the National MSI Coordinators of Member States with the relevant NAVAREA Coordinator (7b).	National Authorities and RHC Members to	Annually	Continuous.

MACHC21-Action List_Rev1

No	Subject mater	Action	Responsible party	Due date	Status
		Delegates to update their contact information in the NAVAREA IV list. (now found on the new MACHC initiative website/MSI page).	the NAVAREA Coordinator		
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 Member States		Continuous. (examples: UN-GGIM; Seabed 2030; UN Decade of Ocean Science)
17.5.2.3	Risk Assessment	Invite Ms. Dawn Seepersad to provide an update on her Risk Assessment project for the GCR. (see also action 17.5.2.1).	MACHC Chair	Annually till project completion.	Continuous.
17.6.4	DTM	Members States to consider making ENC bathymetric and contour information available for the IBCCA project via GEBCO (DCDB).	MACHC Member States		Continuous.
17.6.5 20.6.4.1	DTM	Provide existing bathymetric data to the IHO DCDB (bathydata@iho.int) as indicated in MACHC continuous action 17.6.5, <i>including that collected by private sector companies under their authorization (MS)</i> . Guidance on how to contribute data is found in English and Spanish on the MACHC Initiative website.	MACHC Member States		Continuous.