

**DRAFT 2020 MACHC WORK PLAN FOR SEABED2030**  
**(organized around the proposed responsibilities/activities**  
**from IRCC11 for RHC Seabed 2030 Coordinators):**

**1. Liaise with appropriate GEBCO Seabed2030 Regional Data Assembly and Coordination Centres**

*January 2020:* In process, MACHC Seabed 2030 Coordinator is already in communication with Head, Atlantic/Indian Ocean RDAC and the IHO Director of the IHO Data Centre for Digital Bathymetry (DCDB)

**2. Consider traditional hydrographic collection methods as well as others that may apply, including crowdsourced bathymetry, SDB, scientific data collection, and industry-specific data and serve as a point of contact for other working groups accordingly.**

**Crowd Sourced Bathymetry:**

*MACHC Action 20.6.4.b.2 Non-IHO MS to review and provide their comments to IHO CL11/2019 to the MACHC Seabed 2030 Coordinator for collation and submission to IHO.*

*June 2020:* IHO/DCDB Director to work with IHO Secretary to generate a more basic version of the IHO CL11/2019, with simpler terminology and translate into Spanish (completed). Communications requesting response will be sent to both IHO Member States and non-Member States by the MACHC Chair.

*July 2020:* IHO/DCDB Director and MACHC SB2030 Coordinator to develop an outreach strategy to follow-up with non-IHO MS and help them to respond if there are questions.

*September 4, 2020:* MACHC SB2030 Coordinator to provide non-IHO MS responses to the IHO via the MACHC Chair.

*November 2020:* IHO determines how to address responses from non-IHO Member States.

*December 2020:* Report given on CSB status at MACHC21.

**3. Report the state of regional ocean mapping efforts, including national statistics (according to Regional Centre data)**

*June 2020:* With the release of the GEBCO 2020 grid will be a preliminary global assessment of % mapped as per the GEBCO goals. This will be followed by regional gap analyses, beginning with the MACHC that will added to the MACHC Initiative Website.

*December 2020:* Report made at MACHC 21 by MACHC SB 2030 Coordinator based on information provided by RDACC.

**4. Lead regional efforts to coordinate potential data collection opportunities, connecting data providers with the appropriate GEBCO Regional Centres.**

**July-October 2020:** MACHC SB2030 Coordinator works with MS through hosting of webinars on how to fulfil:

20.6.4.2:

*MS provide future survey plan polygons to add as a layer in the MACHC [Seabed 2030 gap analysis tool](#) to [Percy.Pacheco@noaa.gov](mailto:Percy.Pacheco@noaa.gov) to encourage survey collaboration and avoid duplication of effort.*

**Work with RDACC Head to request:**

-Member Countries provide a current DEM of their waters at the resolution of their choice. Also ask potential data contributors that have gridded data to contribute to also send information that indicates which grid nodes are supported by depth measurements vs. being interpolated/predicted.

**December 2020:** Finalize the IBBCA Edition 1 in 2020 as per the plan in Annex A

**5. Encourage national commitments for data sharing and new data collection**

**April-November 2020:** MACHC SB 2020 Coordinator liaises with MACHC Member States to help fulfil *MACHC Action 20.6.4.1*:

*Provide existing bathymetric data to the IHO DCDB ([bathydata@iho.int](mailto:bathydata@iho.int)) as indicated in MACHC continuous action 17.6.5, including that collected by private sector companies under their authorization (MS).*

Instructions (in English and Spanish) on the bathymetric data submission process are now on the MACHC Initiative website.

**June 2020:** Send Joint CL to MACHC and IOCARIBE Member States requesting response to this and other actions in this plan.

**July-October 2020:** MACHC SB2030 Coordinator works with MS through hosting of webinars on how to fulfil these actions.

**6. Develop joint regional campaign mapping plans for areas outside national jurisdiction.**

**December 2020:** Develop a preliminary proposed regional mapping campaign to present at MACHC21 (*after regional gaps are identified and the map layer showing future survey plans are complete as the basis for planning*)

**7. Ensure that efforts to collect data for Seabed 2030 are coordinated within the region**  
(*see 4 above*)

**8. Place a strong emphasis on acknowledging participation from data providers.**  
Ongoing throughout the year and at MACHC21.

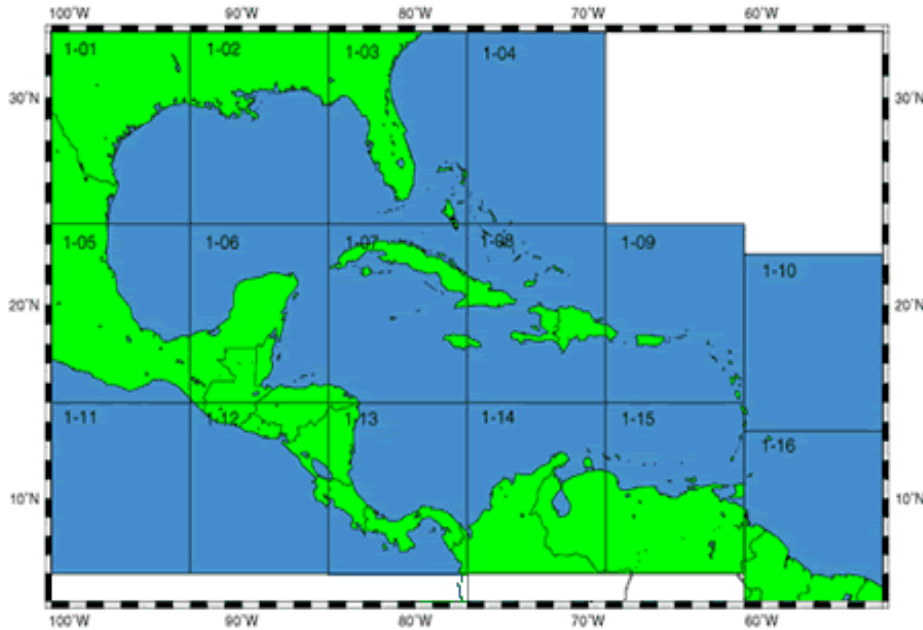
**9. Provide tools and workflows to support countries on how to accomplish these objectives**

**July-November 2020** MACHC SB2030 Coordinador, Head RDACC and IHO DCDB Director to develop *support tools and information (such as how to create the requested DEMs, provide gap analysis, story maps, further enhancements to MACHC Seabed 2030 web applications, etc.)*

**DRAFT**

**Annex A. Plan to complete the International Bathymetric Chart of the Caribbean (IBCCA) within the MACHC Area of Responsibility.**

**IBCCA Assignment of Responsibility by Area**



[https://www.ngdc.noaa.gov/mgg/ibcca/ib\\_start.htm](https://www.ngdc.noaa.gov/mgg/ibcca/ib_start.htm)

<b>IBCCA AREA</b>	<b>RESPONSIBLE COUNTRY (IES)</b>	<b>STATUS</b>
<a href="#">1-01</a>	United States	Completed & validated
<a href="#">1-02</a>	United States	Completed & validated
<a href="#">1-03</a>	United States	Completed & validated
<a href="#">1-04</a>	United States	Completed & validated
<a href="#">1-05</a>	Mexico	Completed & validated
<a href="#">1-06</a>	Mexico	Completed & validated
<a href="#">1-07</a>	Cuba	Completed & validated
<a href="#">1-08</a>	Cuba	Completed & validated
<a href="#">1-09</a>	United States	Completed & validated
<a href="#">1-10</a>	Holland, Colombia	Completed & validated
<a href="#">1-11</a>	Mexico	Completed & validated
<a href="#">1-12</a>	Costa Rica	In construction
<a href="#">1-13</a>	Colombia	In construction
<a href="#">1-14</a>	Venezuela, Colombia	In construction
<a href="#">1-15</a>	Venezuela	In construction
<a href="#">1-16</a>	Suriname, Colombia	Completed & validated

## MACHC Assignment of Responsibility by Area



<https://www.iho-machc.org/>

Year 2020	ACTIVITIES
January	<ol style="list-style-type: none"> <li>1. Contact to involved countries (United States, Cuba, Colombia, Costa Rica, Venezuela, Suriname and the Netherlands) in accordance with the MACHC Assignment of Responsibility by Area for the bathymetric data collection.</li> <li>2. Verify that the available data in completed charts corresponds to the Seabed 2030 required format.</li> <li>3. Process the bathymetric data (depth area lines from the nautical chart 1-10 and 1-16) available in the INEGI FTP (National Institute of Statistic, Geography and Informatic) to meet Seabed 2030 requirements.</li> <li>4. Contact Center Head-Atlantic and Indian Oceans Regional Center (Vicki Ferrini) and with the Head- IHO-DCDB (Jennifer Jencks) to confirm the IBCCA products final format for Seabed 2030 contribution.</li> </ol>
February	<ol style="list-style-type: none"> <li>1. IBCCA continue working with the nautical chart 1-10 and 1-16 process.</li> <li>2. Meetings Related: Second expert meeting of the Working Group on Marine Geospatial Information in Rostck-Warnemünde, Germany. (INEGI participated)</li> </ol>
March and April	<ol style="list-style-type: none"> <li>1. Videoconference with IBCCA Members to continue progress with the nautical charts (I-14 and I-15), at the same time explain the data to Seabed 2030 format.</li> <li>2. To Coordinate with Head MACHC-IBCCA the meeting in Aguascalientes, Mx with representatives from Colombia to approve and to finish the nautical charts. Dates to be determined, dependent on the status of COVID-19.</li> </ol>

June	<ol style="list-style-type: none"> <li>1. To coordinate with Head MACHC-IBCCA the adaptation of the cartographic process to fulfil the IBCCA assignment.</li> <li>2. The IBCCA members to update the IBCCA webpage with the latest information.</li> <li>3. To invite the IBCCA and IOCARIBE members to share the survey hydrographic plan polygons in the MACHC-Seabed 2030 webapp.</li> </ol>
July- November	<ol style="list-style-type: none"> <li>1. Participate in the webinars and videoconferences to support national contributions to the Seabed2030 mapping initiative for the region.</li> <li>2. Finish the IBCCA Assignment of Responsibility Area and prepare the Seabed 2030 format.</li> </ol>
December	<ol style="list-style-type: none"> <li>1. Present a report at MACHC 21, with emphasis on acknowledging participation from data providers.</li> </ol>