



**INTERNATIONAL HYDROGRAPHIC ORGANIZATION  
MESO AMERICAN & CARIBBEAN HYDROGRAPHIC COMMISSION**

**20th MEETING OF THE MESO AMERICAN & CARIBBEAN SEA HYDROGRAPHIC COMMISSION  
(MACHC 20)**

**Santo Domingo, Dominican Republic**

**December 02 - December 6, 2019**

**PROVISIONAL AGENDA**

TIME	PRE-MACHC ACTIVITIES Sunday, 01 December 2019	RESPONSIBLE
06:00-24:00	Reception of the MACHC participants by the staff of the Hydrographic Service. The Dominican Republic Navy will provide transportation from the airport to the Crowne Plaza Hotel.	SHARD

TIME	PRE-MACHC ACTIVITIES Monday 02, December 2019	RESPONSIBLE
	<b>HYDROGRAPHIC GOVERNANCE SEMINAR</b>	<b>IHO/UK</b>
08:00-08:15	Security information by the Security in charge of the Crowne Plaza Hotel.	Crowne Plaza Security
08:15-08:45	Information about the Colonial Zone by a member of the Ministry of Tourism near the Crowne Plaza hotel by a member of the Ministry of Tourism.	Ministry of Tourism
08:45-17:30	MACHC Seminar on Hydrographic Governance (agenda forthcoming)	IHO/UK
	<b>PRE-PLenary WG MEETINGS (in parallel to the Seminar)</b> <i>(working level meetings to review annual progress and prepare summary reports with any resulting recommendations or issues for MACHC Plenary consideration)</i>	Chairs and Members
9:00—12:00	Marine Spatial Data Infrastructure (MMSDI) meeting – Agenda by MSDI Chair	USA
13:00—16:00	Integrated Charting Working Group (MICC) meeting— Agenda by MICC Chair	Suriname

TIME	DAY ONE OF MACHC 20 Tuesday, 03 December 2019	RESPONSIBLE
08:15-09:00	Registration 20th MACHC	Host
08:30-12:00	<b>HYDROGRAPHIC GOVERNANCE SEMINAR</b> <i>Continued</i> <i>(Introduction to MSDI Training)</i>	IHO/UK
12:00-13:00	Lunch	All

13:00-13:30	<b>FORMAL OPENING OF THE MACHC</b> Opening Addresses <i>(Business Attire and Navy Whites)</i>	Chair, IHO Secretariat, Host
13:30-15:30	<p><b>1. MACHC Administration/organizational issues</b></p> <p><b>1.1 Introductions</b> - Participants will be invited to introduce themselves <b>15 minutes</b></p> <p><b>1.2 Approval of Agenda</b> Doc: <a href="#">MACHC20-01.2 Agenda</a> - Chair invites participants to comment on the agenda and timetable in case updates are necessary. - Agenda is adopted. <b>15 minutes</b></p> <p><b>1.3 List of documents/Administrative Arrangements</b> Docs: <a href="#">MACHC20-01.3A List of Documents</a> <a href="#">MACHC20-01.3B List of Participants</a> - List of Documents as on the IHO/MACHC-20 site - List of Documents is updated as necessary - <a href="#">Logistic guidance and information</a> as necessary <b>15 minutes</b></p> <p><b>1.4. Matters arising from Minutes of MACHC 19 Meeting</b> Doc: MACHC20-01.4 Minutes of MACHC 19 <b>10 minutes</b></p> <p><b>1.5. MACHC 19 Action list review</b> Doc: MACHC20-01.5 Action List from MACHC 19 <b>20 minutes</b></p> <p><b>Official Photograph Session</b></p>	<p>All/Chair</p> <p>Chair</p> <p>Chair</p> <p>Host</p> <p>Chair</p> <p>Chair</p> <p>All</p>
15:30-16:00	<b>Coffee Break</b>	
16:00-17:30	<p><b>2. MACHC Developments, IHO bodies, Policy aspects</b></p> <p><b>2.1 IHO Secretariat Report</b> Doc: MACHC20-02.1 IHO Secretariat Report - IHO Secretariat provides a briefing on current IHO matters <b>10 minutes</b></p>	<p>Chair</p> <p>IHO</p>

	<p><b>2.1.1 Welcome of Guyana as new IHO Member</b>                  Signing of MACHC Statutes  <b>10 Minutes</b></p> <p><b>2.2 Council Report.</b>                  Doc: MACHC20-02.2A Council Report  <b>10 minutes</b></p> <p><b>2.3 MSI/WWNWS</b>                  Doc: MACHC20-02.2E WWNWS Report  <b>10 minutes</b></p> <p style="text-align: center;"><b>General remark</b></p> <p>Chair invites the representatives of the above IHO bodies/working groups to present the key (policy) developments, decisions, actions or implications that affect the MACHC region.</p>	<p>Chair, Guyana</p> <p>Council Chair</p> <p>Chair, WWNWS</p>
19:00	<b>Welcome event-TBD</b>	Host

TIME	DAY TWO OF MACHC 20 Wednesday, 04 December 2019	RESPONSIBLE
	<p>Business Casual                      (Short sleeved navy whites/short sleeved guayabera/similar)</p>	
	<b>NATIONAL REPORT BREAKOUT GROUPS</b>	
8:30-09:00	<p><b>3. National Reports</b>                      Instructions and guidelines for National Report breakout groups.</p> <p style="text-align: center;"><b>General remark</b></p> <p>Member States will be divided into three parallel groups of approximately 10 each with a Chair in order to:</p> <ol style="list-style-type: none"> <li>1) Provide an opportunity for greater discussion and engagement about the content of national reports</li> <li>2) Synthesize the discussion results into priority recommendations for the MACHC 2021-23 capacity building plan to be considered by the plenary</li> <li>3) Capture any other priority issues for the MACHC for subsequent consideration</li> </ol> <p>The presentations are not intended to replicate the content of the National Report but rather to present key matters. Countries are asked to use the <i>National Reports PPT Template</i> to summarize the following:</p> <ol style="list-style-type: none"> <li>a. Top three achievements</li> <li>b. Top three challenges</li> <li>c. Top three plans that effect the region (charts, surveys, training, other)</li> <li>d. Two recommendations to plenary:                             <ul style="list-style-type: none"> <li>• Highest priority for capacity building</li> </ul> </li> </ol>	<p>Chair</p> <p>Member States and Associate Member States</p> <p>Breakout groups will each have a Chair to guide them through this process</p> <p><i>(observers, industry and regional organization representatives are invited to participate in the breakout group of their choice)</i></p>

	<ul style="list-style-type: none"> <li>Any other priority issue/activity the MACHC should consider</li> </ul> <p>The recommendations should take into account the following criteria: the greatest collective regional impact; greatest return on investment; greatest opportunity to leverage other partners/resources</p> <p>Chair requests Members and Associate Members not to read verbally the written national report itself.</p>	
9:00-10:00	Breakout groups listen to National Report presentations (10 minutes including Q&A), using the PPT template provided.	All
10:00-10:30	<b>Coffee Break</b>	
10:30-12:00	Breakout groups/National Reports continue	All
12:00-13:30	<b>Lunch</b>	
13:30-15:30	<p>Breakout groups individually engage to summarize and develop final consensus top recommendations for plenary consideration.</p> <p><b>General remark</b> Breakout group Chairs will have a specific process to guide their group to this outcome.</p>	Member States and Associate Member States
15:30-16:00	<b>Coffee Break</b>	
16:00-17:30	<p><b>4. Reports from Observing States and Organizations</b></p> <p><b>4.1 Reports from Observing Organizations</b> <i>(also integrated as appropriate into the themes of Day 3)</i></p> <p><b>4.2 IALA</b> 15 minutes</p> <p><b>4.3 IOCARIBE</b> 15 minutes</p> <p><b>4.4 IMO</b> 15 minutes</p> <p><b>4.5 REMPEITC</b> 15 minutes</p> <p><b>Others TBD</b></p>	Designated Representatives

TIME	DAY THREE OF MACHC 20 Thursday, 05 December 2019	RESPONSIBLE
	Business Casual (Short sleeved navy whites/short sleeved guayabera/similar)	
	<b>STRATEGIC DISCUSSIONS AND ENGAGEMENT</b> (to include panel discussions on the strategic topics with MS, Industry, Regional organizations)	
8:30-10:00	Breakout Group Chairs report the final recommendations and key messages from their group to plenary and engage in questions and answers.	Chair/All
	Review and prioritize results from previous day via “live polling”	Chair/All
10:00-10:30	<b>Coffee Break</b>	
10:30-12:00	<p><b>5. Regional Capacity Building: Leveraging CB Partnerships</b></p> <p><b>5.1 CBC report</b> <i>Committee Chairs requested to present a brief summary of IHO CBC Meeting and annual accomplishments</i> 15 minutes</p> <p><b>5.2 Update of COCATRAM on its Regional Projects/Training Priorities</b> Doc: MACHC20-04.2A 15 minutes</p> <p><b>5.3 World Bank/Inter-American Development Bank Regional Mapping Projects</b> 15 minutes</p> <p><b>5.4 Neighboring RHC CB Priorities</b> 20 minutes</p> <p><b>Others TBD</b></p> <p><b>Session summary and any implications for MACHC CB Plan</b></p>	<p>Chair, Capacity Building Coordinator</p> <p>Director</p> <p>Project Director</p> <p>Colombia/Brazil</p> <p>Capacity Building Coordinator</p>
12:00-13:30	<b>Lunch</b>	

13:30-15:00	<p><b>Survey and Risk</b></p> <p><b>6.1 Risk assessment regional project</b> Doc: MACHC20-06.2A <b>15 minutes</b></p> <p><b>6.2 Accident statistics and analysis of AIS data for the Caribbean</b> Doc: MACHC20-06.2B <b>15 minutes</b></p> <p><b>6.3 GEBCO/IBCCA</b> Doc: MACHC20-06.1 <b>15 minutes</b></p> <p><b>6.4 GEBCO/Seabed 2030 and MACHC contributions</b> Doc: MACHC20-06.4A <b>15 minutes</b></p> <p><b>Others TBD</b></p>	<p>University of the West Indies</p> <p>University of the West Indies</p> <p>Mexico/Colombia</p> <p>Head, Atlantic/Indian Oceans Regional Data Center</p>
15:00-15:30	Coffee Break	
15:30-17:00	<p><b><u>7. MACHC response to Disasters (IHO resolution 1/2005)</u></b> Doc: MACHC20.07.1 MACHC Disaster Response Framework <b>10 minutes</b></p> <p><b>7.1 Caribbean Disaster Emergency Management Agency</b> Doc: MACHC20.07.3A <b>10 minutes</b></p> <p><b>7.2 Tsunami and other Coastal Hazards Warning System for the Caribbean and Adjacent Regions (ICG/Caribe EWS)</b> Doc: MACHC20-07.3D <b>10 minutes</b></p> <p><b>7.3 MapAction: The Need for Hydrography</b> Doc: MACHC20-07.3E</p> <p><b>Others TBD</b></p>	<p>Chair</p> <p>Director</p> <p>EWS Coordinator</p> <p>Regional Coordinator</p>

TIME	DAY FOUR OF MACHC 20 Friday, 06 December 2019	RESPONSIBLE
8:30-10:00	<p><b><u>8. SDI/Marine Spatial Data Infrastructure</u></b></p> <p><b>8.1 MMSDI WG Report</b> <b>15 minutes</b> <i>Chairs requested to present a brief summary of annual accomplishments, result of the pre-Plenary meeting and highlight any recommendations/issues that need to be addressed or approved by the Plenary</i></p> <p><b>8.2 UN- GGIM (Global Marine Geospatial Information Management) Update</b> Doc: MACHC20-08.2 <b>10 minutes</b></p> <p><b>8.3 Caribbean Marine Atlas</b> <b>10 minutes</b></p> <p><b>Others TBD</b></p> <p><b>Session summary and any implications for MMSDI WP</b></p>	<p>MMSDI Chair</p> <p>GGIM Chair</p> <p>Director</p> <p>MMSDI Chair</p>
10:00-10:30	<b><u>Coffee Break</u></b>	
10:30-12:00	<p><b><u>9. Nautical Charts and Publications</u></b></p> <p><b>9.1 MICC Report</b>  Doc: MACHC20-09.1 MICC Report - MICC Chair introduces the MICC Report <i>Chair is requested to present a brief summary of annual accomplishments, result of the pre-Plenary meeting and highlight any recommendations/issues that need to be addressed or approved by the Plenary</i> <b>15 minutes</b></p> <p><b>9.3 Examples of other RHC ENC scheme</b> <b>15 minutes</b></p> <p><b>9.2 Proposed ENC scheme for the MACHC</b> <b>15 minutes</b></p> <p><b>9.4 Future of the Paper Chart: Results of IHO Survey</b> <b>15 minutes</b></p> <p><b>9.5 High Definition ENCs for Precision Navigation</b> <b>15 minutes</b></p>	<p>MICC Chair</p> <p>MICC Chair</p> <p>Brazil/SWatHC Colombia/</p> <p>Colombia</p> <p>IHO</p> <p>Industry Representative</p>

	<b>Session summary and any implications for MICC Workplan</b>	MICC Chair
12:00-13:30	<b>Lunch</b>	
13:30-15:00	<p><b>10. Closing activities</b></p> <p><b>10.1 AOB</b>          - Chair invites participants to present any other business          Preparations for IHO Assembly</p> <ul style="list-style-type: none"> <li>• Information Paper on IHO Assembly              Proposal to Redefine Hydrographic Interest</li> <li>• MACHC Representatives to IHO Council</li> </ul> <p><b>10.3 Review actions and decisions</b>          - Chair reviews actions and decisions</p> <p><b>10.4 Lessons learned identified</b>          - Chair invites participants to provide (procedural) issues to be taken into account for future meetings</p> <p><b>10.5 Next meeting</b>          - Chair invites participants to offer to host the next MACHC meeting (s)</p> <p><b>10.6 Close of meeting</b></p>	All
20:00-23:00	<b>Fellowship dinner in honor of our neighboring countries. (Naval Officers Club)</b>	SHARD

TIME	Saturday 07 December, 2019	RESPONSIBLE
10:00-11:00 (subject to change)	Transportation of the participants to the International Airport of the Americas by members of the Naval Hydrographic Service of the Dominican Republic.	SHARD