



**INTERNATIONAL HYDROGRAPHIC ORGANIZATION  
MESO AMERICAN - CARIBBEAN SEA HYDROGRAPHIC COMMISSION**

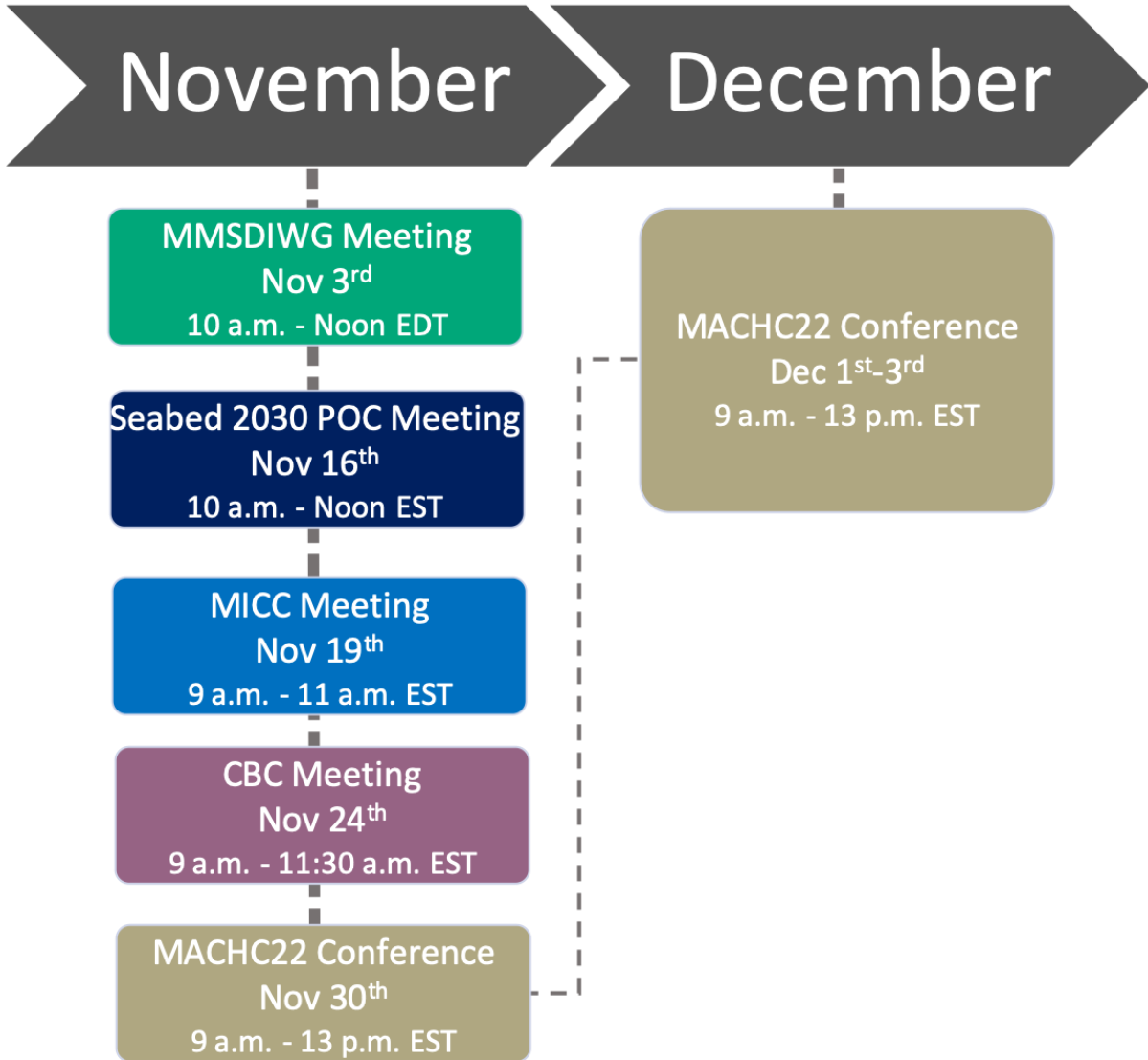
**22<sup>nd</sup> CONFERENCE OF THE MESO AMERICAN - CARIBBEAN  
SEA HYDROGRAPHIC COMMISSION  
Virtual Conference**

To participate in the MACHC22 Conference, please follow the link below:

**PARTICIPANT/SPEAKER:**

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# MACHC22 PRE-CONFERENCE MEETINGS AND CONFERENCE SCHEDULE



## MACHC22 CONFERENCE TIMETABLE (UTC/GMT -5 hours and US EASTERN STANDARD TIME)

Tuesday, November 30		Wednesday, December 01		Thursday, December 02				Friday, December 03	
Time	Activity	Time	Activity	Time	Group A:	Group B:	Group C:	Time	Activity
8:00 - 9:00	Early Log In: Testing of video and audio equipment	8:00 - 9:00	Early Log In: Testing of video and audio equipment	8:00 - 9:00	Early Log In: Testing of video and audio equipment	Early Log In: Testing of video and audio equipment	Early Log In: Testing of video and audio equipment	8:00 - 9:00	Early Log In: Testing of video and audio equipment
9:00 - 9:15	Formal Opening	9:00 - 9:05	Announcements/Logistics	9:00 - 9:10	Introduction	Introduction	Introduction	9:00 - 9:30	Group Reports Discussion & Comments
9:15 - 9:30	MACHC Admin & Org Issues	9:05 - 09:45	MICC Report, Presentation and Discussion	9:10 - 10:30	National Reports #1-4 and Q&A	National Reports #1-4 and Q&A	National Reports #1-4 and Q&A	9:30 - 10:00	Survey and Risk: Seabed 2030 and CSB
9:30 - 10:30	IHO & MACHC Developments and Policies	09:45- 10:30	Industry Support for Charting Challenges					10:00 - 10:30	Industry Support for Survey and Risk
10:30 - 11:30	Break	10:30 - 11:30	Break	10:30 - 11:30	Break	Break	Break	10:30 - 11:30	Break
11:30 - 12:30	MMSDIWG Report, Presentation and Discussion	11:30 - 12:15	CBC Report, Presentation and Discussion	11:30 - 12:50	National Reports #5-8 and Q&A	National Reports #5-8 and Q&A	National Reports #5-8 and Q&A	11:30 - 12:15	Disaster Response
12:30 - 13:00	Industry Support for MSDI Challenges	12:15 - 13:00	Industry Support for Capacity Building Challenges	12:50 - 13:00	Closing Discussion	Closing Discussion	Closing Discussion	12:15 - 13:00	Closing Activities

## MACHC22 CONFERENCE AGENDA

**DAY ONE OF MACHC22**  
**Tuesday, November 30th, 2021**  
**FORMAL OPENING OF THE MACHC**  
*(Times are UTC/GMT -5 hours and United States Eastern Standard)*

TIME	DAY ONE OF MACHC22 Tuesday, November 30th, 2021	RESPONSIBLE
08:00-09:00	<b>Early Log In: Testing of Audio/Visual Equipment</b> <b>Reminders on use of Virtual Conference Platform</b>	All Participants/ Organization
09:00-09:15	<b>FORMAL OPENING OF THE MACHC</b> <b>ADDRESSES</b>	MACHC Chair IHO Director
09:15-09:30	<p><b><u>1. MACHC Administration/Organizational issues</u></b></p> <p><b>1.1 Introductions</b> <i>Establish the quorum necessary to hold a formal meeting.</i></p> <p><b>1.2 Approval of Agenda</b> <i>Chair invites participants to comment on the agenda and timetable in case updates are necessary.</i> <i>Agenda is adopted.</i> Doc: MACHC22-01.2 Agenda <b>2 minutes</b></p> <p><b>1.3 List of documents</b> Docs: MACHC22-01.3A List of Documents MACHC22-01.3B List of Participants - List of Documents as on the IHO MACHC site - List of Documents is updated as necessary <b>3 minutes</b></p> <p><b>1.4 Matters arising from Minutes of MACHC21 Conference</b> Doc: MACHC22-01.4 Minutes of MACHC21 <b>5 minutes</b></p> <p><b>1.5 MACHC21 List of Actions review</b> Doc: MACHC22-01.5 List of Actions from MACHC21 <b>5 minutes</b></p>	<p>Chair/All</p> <p>Chair/All</p> <p>Chair/All</p> <p>Chair/All</p> <p>Chair/All</p>

09:30-10:30	<p><b><u>2. MACHC Developments, IHO bodies, Policy aspects</u></b></p> <p><b>2.1 IHO Secretariat Report</b>  <i>IHO Secretariat provides a briefing on current IHO matters.</i>  Doc: MACHC22-02.1  <b>15 minutes</b></p> <p><b>2.1.1 IRCC update</b>  Doc: MACHC22-02.1.1  <b>10 minutes</b></p> <p><b>2.1.2 HSSC update</b>  Doc: MACHC22-02.1.2  <b>10 minutes</b></p> <p><b>2.2 Maritime Safety Information/WWNWS-SC Report</b>  Doc: MACHC22-02.2  <b>10 minutes</b></p> <p><b>Q&amp;A</b>  <b>15 minutes</b></p> <p style="text-align: center;"><b>General Remark</b>  Chair invites the representatives of the above IHO bodies to present the key (policy) developments, decisions, actions or implications that affect the MACHC region.</p>	<p>IHO Director</p> <p>Brazil</p> <p>Brazil</p> <p>Chair, WWNWS-SC</p> <p>All</p>
10:30-11:30	<b>Break</b>	
11:30-12:30	<p><b><u>8. Marine Spatial Data Infrastructure</u></b></p> <p><b>8.1 MMSDIWG Report</b>  <i>Chair presents results and recommendations to Plenary.</i>  Doc: MACHC22-08.1  <b>15 minutes</b></p> <p><b>8.2 Implementation of MSDI (TBC)</b>  Doc: MACHC22-08.2  <b>15 minutes</b></p> <p><b>8.3 Introduction to Integrated Geospatial Information Framework (IGIF)-Hydro</b>  Doc: MACHC22-08.3  <b>15 minutes</b></p>	<p>Chair, MMSDIWG</p> <p>TBC</p> <p>Co-Chair, UN-GGIM WGMGI</p>

	<b>Q&amp;A</b> <b>15 minutes</b>	All
12:30-13:00	<b>8.4 Industry Support for MSDI Challenges</b>  <b>8.4.a Ten steps to MSDI success</b> Doc: MACHC22-08.4.a <b>15 minutes</b>  <b>8.4.b MACHC and MSDI: a regional analysis</b> Doc: MACHC22-08.4.b <b>15 minutes</b>	OceanWise  IIC Technologies Inc
<b>TIME</b>	<b>DAY TWO OF MACHC22</b> <b>Wednesday, December 1st, 2021</b>	<b>RESPONSIBLE</b>
08:00-09:00	<b>Early Log In: Testing of Audio/Visual Equipment</b> <b>Reminders on use of Virtual Conference Platform</b>	All Participants/ Organization
09:00-09:05	<b>Announcements/Logistics</b>	Organization
09:05-09:45	<b><u>9. Nautical Cartography</u></b>  <b>9.1 MICC Report</b> <i>Chair presents results and recommendations to Plenary.</i> Doc: MACHC22-09.1 <b>10 minutes</b>  <b>9.2 Proposal to change the area of coverage of the MACHC</b> Doc: MACHC22-09.2 <b>5 minutes</b>  <b>9.3 Update on MACHC Regional ENC scheme</b> Doc: MACHC22-09.3 <b>5 minutes</b>  <b>9.4 UKHO worldwide gridding</b> Doc: MACHC22-09.4 <b>10 minutes</b>  <b>Q&amp;A</b> <b>10 minutes</b>	Chair, MICC  Brazil  US  UK  All
09:45-10:30	<b>9.5 Industry Support for Charting Challenges</b>	

	<p><b>9.5.a S-100 A Gateway to Hydrosatial</b> Doc: MACHC22-09.5.a <b>15 minutes</b></p> <p><b>9.5.b S-100 Capability within the CARIS Product Suite</b> Doc: MACHC22-09.5.b <b>15 minutes</b></p> <p><b>9.5.c Challenges of S-101 Validation</b> Doc: MACHC22-09.5.c <b>15 minutes</b></p>	<p>ESRI</p> <p>Teledyne CARIS</p> <p>SevenCs</p>
10:30-11:30	<b>Break</b>	
11:30-12:15	<p><b><u>5. Capacity Building</u></b></p> <p><b>5.1 CBC Report</b> <i>Chair presents results and recommendations to Plenary.</i> Doc: MACHC22-05.1 <b>15 minutes</b></p> <p><b>5.2 Education and Training opportunities at the USM</b> Doc: MACHC22-05.2 <b>15 minutes</b></p> <p><b>Q&amp;A</b> <b>15 minutes</b></p>	<p>Chair, CBC</p> <p>Hydrographic Science Program Coordinator USM</p> <p>All</p>
12:15-13:00	<p><b>5.3 Industry Support for Capacity Building Challenges</b></p> <p><b>5.3.a Modelling coastal vulnerability in Belize: an application of Satellite Derived Bathymetry (SDB) for coastal management</b> Doc: MACHC22-05.3.a <b>15 minutes</b></p> <p><b>5.3.b EOMAP SDB uses and benefits for Small Island Developing States</b> Doc: MACHC22-05.3.b <b>15 minutes</b></p> <p><b>5.3.c Bowden Harbour Collaboration Project and the Caribbean Geoportal</b> Doc: MACHC22-05.3.c <b>15 minutes</b></p>	<p>ARGANS</p> <p>EOMAP</p> <p>TCarta</p>

TIME	DAY THREE OF MACHC22 Thursday, December 2nd, 2021			RESPONSIBLE
	<b><u>3. National Reports</u></b> <b>Group A:</b> <b>English &amp; Spanish</b> <b>(<a href="#">Access Link Here</a>)</b>	<b><u>3. National Reports</u></b> <b>Group B:</b> <b>English &amp; Spanish</b> <b>(<a href="#">Access Link Here</a>)</b>	<b><u>3. National Reports</u></b> <b>Group C:</b> <b>English Only</b> <b>(<a href="#">Access Link Here</a>)</b>	
08:00-09:00	<b>Pre-Testing of Audio/Visual</b>	<b>Pre-Testing of Audio/Visual</b>	<b>Pre-Testing of Audio/Visual</b>	All
09:00-09:10	Introduction <b>3.a Group Instructions</b>	Introduction <b>3.a Group Instructions</b>	Introduction <b>3.a Group Instructions</b>	Group Chairs
09:10-09:30	National Report #1 and Q & A	National Report #1 and Q & A	National Report #1 and Q & A	All
09:30-09:50	National Report #2 and Q & A	National Report #2 and Q & A	National Report #2 and Q & A	All
09:50-10:10	National Report #3 and Q & A	National Report #3 and Q & A	National Report #3 and Q & A	All
10:10-10:30	National Report #4 and Q & A	National Report #4 and Q & A	National Report #4 and Q & A	All
10:30-11:30	<b><i>Break</i></b>			
11:30-11:50	National Report #5 and Q & A	National Report #5 and Q & A	National Report #5 and Q & A	All
11:50-12:10	National Report #6 and Q & A	National Report #6 and Q & A	National Report #6 and Q & A	All
12:10-12:30	National Report #7 and Q & A	National Report #7 and Q & A	National Report #7 and Q & A	All
12:30-12:50	National Report #8 and Q & A	National Report #8 and Q & A	National Report #8 and Q & A	All
12:50-13:00	Group Discussion: Overall Points of synergy, collaboration, and implications for MACHC	Group Discussion: Overall Points of synergy, collaboration, and implications for MACHC	Group Discussion: Overall Points of synergy, collaboration, and implications for MACHC	All



TIME	DAY FOUR OF MACHC22 Friday, December 3rd, 2021	RESPONSIBLE
08:00-09:00	<b>Early Log In: Testing of Audio/Visual Equipment</b> <b>Reminders on use of Virtual Conference Platform</b>	All Participants/ Organization
09:00-09:30	<b>3.b Reports of the Groups</b> <b>20 minutes</b>  <b>Plenary Discussion and Comments</b> <b>10 minutes</b>	Group Chairs  All
09:30-10:00	<b><u>6. Survey and Risk</u></b>  <b>6.1 MACHC-IOCARIBE Seabed 2030</b> ( <i>including Crowdsourced Bathymetry</i> ) <i>Coordinator presents results and recommendations to Plenary.</i> Doc: MACHC22-06.1 <b>15 minutes</b>  <b>Q&amp;A</b> <b>15 minutes</b>	Seabed 2030/CSB Coordinator  All
10:00-10:30	<b>6.2 Industry Support for Survey and Risk</b>  <b>6.2.a (Title TBD)</b> Doc: MACHC22-06.3.a <b>15 minutes</b>  <b>6.2.b Terratec - Airborne Lidar Bathymetry services using the CZMIL SuperNova</b> Doc: MACHC22-06.3.b <b>15 minutes</b>	QPS  Terratec
10:30-11:30	<b>Break</b>	
11:30-12:15	<b><u>7. Disaster Response</u></b> Presentations and panel TBC	Contributing Organizations

<p>12:15-13:00</p>	<p><b><u>10. Closing Activities</u></b></p> <p><b>10.1 Any Other Business</b> <b>10 minutes</b></p> <p><b>10.2 Review of Actions and Decisions</b> <b>20 minutes</b></p> <p><b>10.3 Next Conference</b> <b>10 minutes</b></p> <p><b>10.4 Conference Adjourns</b> <b>5 minutes</b></p>	<p>Chair/Members</p> <p>Chair/All</p> <p>Chair/All</p> <p>Chair</p>
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