

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

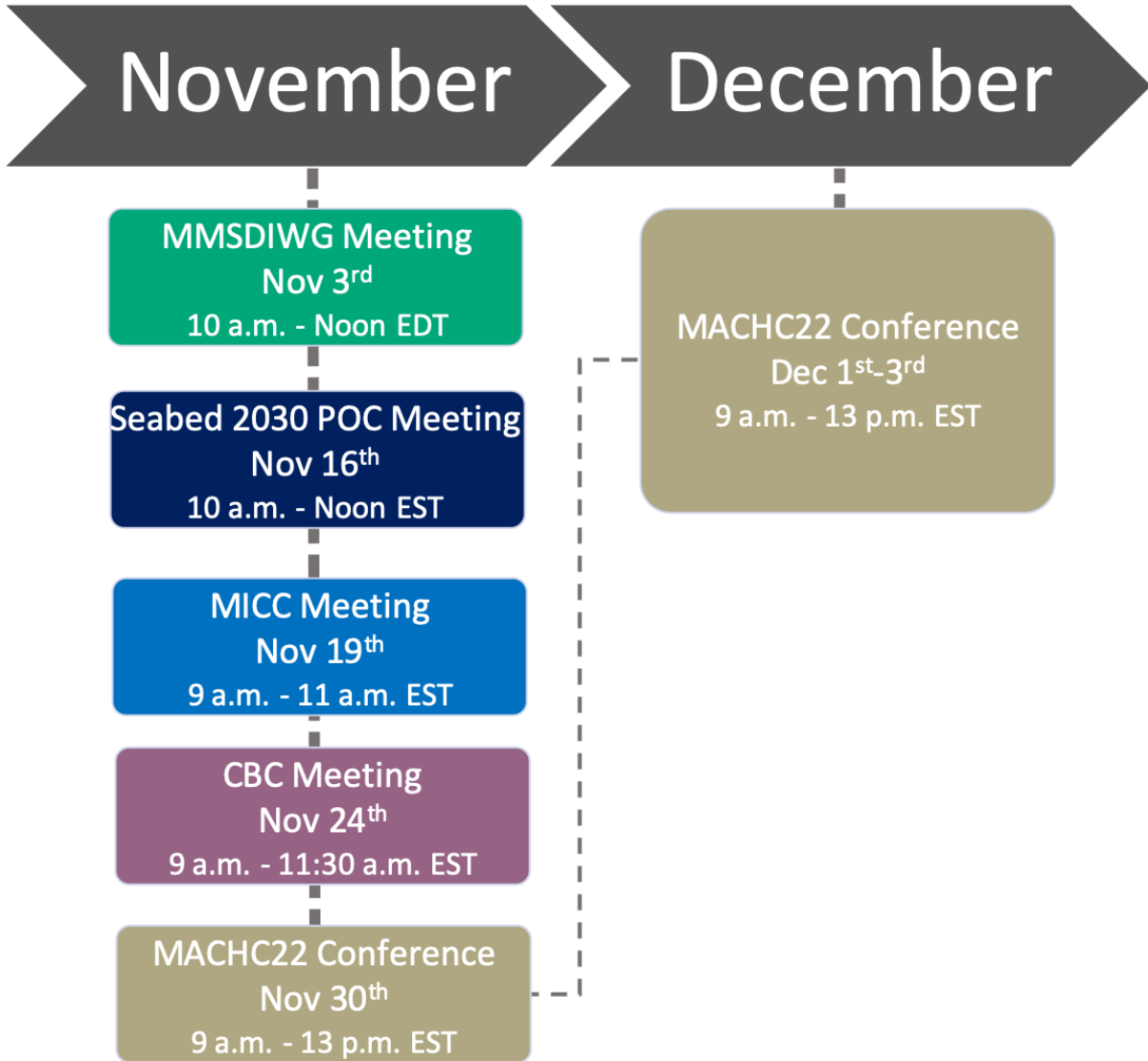
**22nd CONFERENCE OF THE MESO AMERICAN - CARIBBEAN
SEA HYDROGRAPHIC COMMISSION
Virtual Conference**

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

PARTICIPANT/SPEAKER: <https://broadcaster.interactio.eu/join/gmnl-81bg-bf9q>

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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 - 11:50	Survey and Risk: GMTDS / WPI
12:30 - 13:00	Industry Support for MSDI Challenges	12:15 - 13:00	Industry Support for Capacity Building Challenges					11:50 - 12:15	Disaster Response
				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	Early Log In: Testing of Audio/Visual Equipment Reminders on use of Virtual Conference Platform	All Participants/ Organization
09:00-09:15	FORMAL OPENING OF THE MACHC ADDRESSES	MACHC Chair IHO Director
09:15-09:30	<p><u>1. MACHC Administration/Organizational issues</u></p> <p>1.1 Introductions <i>Establish the quorum necessary to hold a formal meeting.</i></p> <p>1.2 Approval of Agenda <i>Chair invites participants to comment on the agenda and timetable in case updates are necessary. Agenda is adopted. Doc: MACHC22-01.2 Agenda Rev3</i></p> <p>2 minutes</p> <p>1.3 List of documents 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</p> <p>3 minutes</p> <p>1.4 Matters arising from Minutes of MACHC21 Conference Doc: MACHC22-01.4 Minutes of MACHC21</p> <p>5 minutes</p> <p>1.5 MACHC21 List of Actions review Doc: MACHC22-01.5 List of Actions from MACHC21</p> <p>5 minutes</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><u>2. MACHC Developments, IHO bodies, Policy aspects</u></p> <p>2.1 IHO Secretariat Report <i>IHO Secretariat provides a briefing on current IHO matters.</i> Doc: MACHC22-02.1 15 minutes</p> <p>2.1.1 IRCC update Doc: MACHC22-02.1.1 10 minutes</p> <p>2.1.2 HSSC update Doc: MACHC22-02.1.2 10 minutes</p> <p>2.2 WWNWS NAVAREA IV, V and XII Report Doc: MACHC22-02.2 10 minutes</p> <p>Q&A 15 minutes</p> <p style="text-align: center;">General Remark</p> <p>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>NAVAREA IV and XII Coordinator</p> <p>All</p>
10:30-11:30	Break	
11:30-12:30	<p><u>8. Marine Spatial Data Infrastructure</u></p> <p>8.1 MMSDIWG Report <i>Chair presents results and recommendations to Plenary.</i> Doc: MACHC22-08.1 15 minutes</p> <p>8.2 Spatial communication. How Maritime, Riverine y Coastal SDI contributes to the broadcasting, dissemination and appropriation of the knowledge of half of the Colombian territory Doc: MACHC22-08.2 15 minutes</p> <p>8.3 Introduction to Integrated Geospatial Information Framework (IGIF)-Hydro</p>	<p>Chair, MMSDIWG</p> <p>Colombia</p> <p>Co-Chair, UN-GGIM WGMGI</p>

	<p>Doc: MACHC22-08.3 15 minutes</p> <p>Q&A 15 minutes</p>	All
12:30-13:00	<p>8.4 Industry Support for MSDI Challenges</p> <p>8.4.a Ten steps to MSDI success Doc: MACHC22-08.4.a 15 minutes</p> <p>8.4.b MACHC and MSDI: a regional analysis Doc: MACHC22-08.4.b 15 minutes</p>	<p>OceanWise</p> <p>IIC Technologies Inc</p>
TIME	DAY TWO OF MACHC22 Wednesday, December 1st, 2021	RESPONSIBLE
08:00-09:00	Early Log In: Testing of Audio/Visual Equipment Reminders on use of Virtual Conference Platform	All Participants/ Organization
09:00-09:05	Announcements/Logistics	Organization
09:05-09:45	<p><u>9. Nautical Cartography</u></p> <p>9.1 MICC Report <i>Chair presents results and recommendations to Plenary.</i> Doc: MACHC22-09.1 10 minutes</p> <p>9.2 Proposal to change the area of coverage of the MACHC Doc: MACHC22-09.2 5 minutes</p> <p>9.3 Update on MACHC Regional ENC scheme Doc: MACHC22-09.3 5 minutes</p> <p>9.4 UKHO worldwide gridding Doc: MACHC22-09.4 10 minutes</p> <p>Q&A 10 minutes</p>	<p>Chair, MICC</p> <p>Brazil</p> <p>United States</p> <p>United Kingdom</p> <p>All</p>

<p>09:45-10:30</p>	<p>9.5 Industry Support for Charting Challenges</p> <p>9.5.a S-100 A Gateway to Hydrospatial Doc: MACHC22-09.5.a 15 minutes</p> <p>9.5.b S-100 Capability within the CARIS Product Suite Doc: MACHC22-09.5.b 15 minutes</p> <p>9.5.c Challenges of S-101 Validation Doc: MACHC22-09.5.c 15 minutes</p>	<p>ESRI</p> <p>Teledyne CARIS</p> <p>SevenCs</p>
<p>10:30-11:30</p>	<p><i>Break</i></p>	
<p>11:30-12:15</p>	<p><u>5. Capacity Building</u></p> <p>5.1 CBC Report <i>Chair presents results and recommendations to Plenary.</i> Doc: MACHC22-05.1 15 minutes</p> <p>5.2 Education and Training opportunities at the USM Doc: MACHC22-05.2 15 minutes</p> <p>Q&A 15 minutes</p>	<p>Chair, CBC</p> <p>Hydrographic Science Program Coordinator USM</p> <p>All</p>
<p>12:15-13:00</p>	<p>5.3 Industry Support for Capacity Building Challenges</p> <p>5.3.a Modelling coastal vulnerability in Belize: an application of Satellite-Derived Bathymetry (SDB) for coastal management Doc: MACHC22-05.3.a 15 minutes</p> <p>5.3.b EOMAP SDB uses and benefits for Small Island Developing States Doc: MACHC22-05.3.b 15 minutes</p>	<p>ARGANS</p> <p>EOMAP</p>

	<p>5.3.c Bowden Harbour Collaboration Project and the Caribbean Geoportal Doc: MACHC22-05.3.c 15 minutes</p>	TCarta
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TIME	DAY THREE OF MACHC22 Thursday, December 2nd, 2021			RESPONSIBLE
	<u>3. National Reports</u> Group A: English & Spanish (Access Link Here)	<u>3. National Reports</u> Group B: English & Spanish (Access Link Here)	<u>3. National Reports</u> Group C: English Only (Access Link Here)	
08:00-09:00	Pre-Testing of Audio/Visual	Pre-Testing of Audio/Visual	Pre-Testing of Audio/Visual	All
09:00-09:10	Introduction 3.a Group Instructions	Introduction 3.a Group Instructions	Introduction 3.a Group Instructions	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	Break			
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	Early Log In: Testing of Audio/Visual Equipment Reminders on use of Virtual Conference Platform	All Participants/ Organization
09:00-09:30	3.b Reports of the Groups 20 minutes Plenary Discussion and Comments 10 minutes	Group Chairs All
09:30-10:00	<u>6. Survey and Risk</u> 6.1 MACHC Seabed 2030 Report (<i>including Crowdsourced Bathymetry</i>) <i>Coordinator presents results and recommendations to Plenary.</i> Doc: MACHC22-06.1 15 minutes Q&A 15 minutes	Seabed 2030/CSB Coordinator All
10:00-10:30	6.3 Industry Support for Survey and Risk 6.3.a Hydrographic solutions, from acquisition to precise navigation Doc: MACHC22-06.3.a 15 minutes 6.3.b Terratec - Airborne Lidar Bathymetry services using the CZMIL SuperNova Doc: MACHC22-06.3.b 15 minutes	QPS Terratec
10:30-11:30	<i>Break</i>	
11:30-11:50	<u>6. Survey and Risk</u> 6.2 Global Maritime Traffic Density Service (GMTDS) and World Port Index (WPI) Doc: MACHC22-06.2 15 minutes	United States

	<p>Q&A 5 minutes</p>	All
11:50-12:15	<p><u>7. Disaster Response</u></p> <p>7.1 CDEMA Responses 2021 & IHO Collaboration Opportunities Doc: MACHC22-07.1 15 minutes</p> <p>Q&A 10 minutes</p>	<p>CDEMA Executive Director</p> <p>All</p>
12:15-13:00	<p><u>10. Closing Activities</u></p> <p>10.1 Any Other Business 10 minutes</p> <p>10.2 Review of Actions and Decisions 20 minutes</p> <p>10.3 Next Conference 10 minutes</p> <p>10.4 Conference Adjourns 5 minutes</p>	<p>Chair/Members</p> <p>Chair/All</p> <p>Chair/All</p> <p>Chair</p>