



Initiatives of the Meso American-Caribbean Sea Hydrographic Commission



Meso American – Caribbean Sea Hydrographic Commission (MACHC) Marine Spatial Data Infrastructure (MSDI) Working Group (MMSDIWG)

MSDIWG Report

Chair: Jim Rogers (Chair)

Vice Chair: Tom Scott-Clarke



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Key accomplishments

- a) Finalized MMSDIWG TOR (MACHC Action 19.8.7)
- b) Finalized MMSDIWG Governance Framework
- c) Developed a MMSDIWG Workplan (MACHC Action 19.8.7a)
- d) Established MMSDIWG Website...

<https://ocsihomachcaseus2-dev.azurewebsites.net/bootstrap/mmsdiwg.html>



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Key Documents

[MMSDIWG Governance Document \(V1.0\)](#)

[MMSDIWG Members and Participants](#)

[MMSDIWG Terms of Reference](#)

[MMSDIWG Work Plan](#)

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MACHC Marine Spatial Data Infrastructure Working Group (MMSDIWG)

Chair: Jim Rogers (US/NGA)
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[MMSDI Working Group Documents](#) ←

The MACHC seeks to promote the development of MSDI within the region in support of numerous non-navigation users of marine (hydrographic / charting) data. The MACHC MSDI effort will be based on the four pillars of MSDI which create the framework necessary. These pillars include Policy & Governance (People), Technical Standards (Standards), Information Systems (ICT), and Geographic Content (Data). Making marine (hydrographic / charting) information available in the MACHC region will improve decision making in several areas to include marine planning, coastal zone management, and emergency response. One of the main activities of the MMSDIWG has been the development of an inventory survey.

[MMSDIWG Inventory Survey](#)

[Click Here](#) for MMSDIWG Inventory Survey Results

[Click Here to See:](#) Detailed Data Audit/Discoverability by Country

Country	Bathymetry	Shoreline	Maritime Limits and Boundaries

MMSDIWG Members:

- [Brazil](#)
- [Colombia](#)
- [France](#)
- [Mexico](#)
- [Netherlands](#)
- [United Kingdom](#)
- [United States](#)

Links:

- [CMA](#)
- [GEOSUR](#)
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MACHC Marine Spatial Data Infrastructure Working Group (MMSDIWG) Documents

This page provides access to documents and reference materials generated by the Marine Spatial Data Infrastructure (MSDI) Working Group (previously called Marine Economic Infrastructure Programme (MEIP)).

[Meeting Documents](#)
[Reference Documents](#)

Meeting Documents

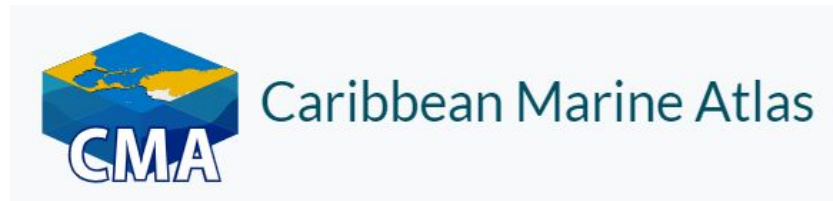
Next Meeting / Conference Call Information	Documents
Conference Call Meeting (October 02, 2019)	Agenda Web Meeting Information Governance Document (V1.0) MMSDIWG Members & Participants

Documents uploaded back to 2012



Key accomplishments continued...

- e) Engaged with stakeholders on MSDI use cases:
- Need for an MSDI in the MACHC – Dawn Seepersad
 - Hurricane Dorian Event and how MSDI can support Disaster Response – Sudesh Botha, Map Action
 - CMA – Carolina Garcia





Key accomplishments continued...

- f) Undertook an Inventory of MSDI resources with Member States of the MMSDWG. Discoverability is key to a good MSDI effort!



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MMSDI Working Group Documents

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[Click Here to See](#): Detailed Data Audit/Discoverability by Country



Country	Bathymetry	Shoreline	Maritime Limits and Boundaries
Brazil			
Colombia			
France	-Shom Catalog-Bathymetry -Source Data (Surveys) Composte DTMs: -St. Martin and St. Bartleleme -Martinique and Guadeloupe -French Guyana -Clipperton Island Lidar Surveys: -Litto3D Guadeloupe -Litto3D Martinique	-Shom Catalog-Maritime and Coastal Database Shoreline -HISTOLITT® coastline	-Shom Catalog-Maritime Boundaries -Maritime Limits -Maritime Delimitation

MSDI Inventory

- Summary by member
- Link to breakdown by coastal state.



Future MMSDIWG Direction and Workplan

a) Propose an action that all MACHC Coastal States complete the Inventory Survey.

Direct Link: <https://docs.google.com/forms/d/e/1FAIpQLSeLy3QTXAykjUSPAYBYRho3eDPSqsIKSEgKkbrWib9OXddISg/viewform?vc=0&c=0&w=1>



Future MMSDIWG Direction and Workplan continued...

b) Continue to review use cases and to coordinate identification of foundation data layers necessary to support their work. Some additional layers identified during the MMSDIWG Pre-Meeting:

- Sensitive Sea / Environmental Areas
- Hazards
- Geographic Names
- Ship Traffic



Future MMSDIWG Direction and Workplan continued...

- c) Conduct a follow on Inventory of MSDI Resources to account for some subset of the additional layers identified during the MMSDIWG Meeting.
- d) Consider data principles and standards for the MACHC MSDI efforts. Review the UN GGIM data principles as a starting point for the MMSDIWG .



Future MMSDIWG Direction and Workplan continued...

- e) Encourage Member States to make their MSDI data available in GIS formats that can be used to support the analysis necessary in the various MSDI use cases.
- f) Encourage Member States to consider some minimal regular update cycle to their MSDI data to ensure the data does not become outdated.



Future MMSDIWG Direction and Workplan continued...

- g) Work with Member States to coordinate receipt of data and to integrate web mapping and web cataloguing services per each states approach to MSDI.
- h) Continue to Support Disaster Response and coordination as well as other use cases within the region by making MSDI Information discoverable and accessible to non-navigation users.



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Key Documents

- [Draft MACHC Disaster Response Plan](#)
- [National Points of Contact](#)
- [Response Support for the Bahamas](#)

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Disaster Response - Background

MACHC Region

Per IHO Resolution 1/2/2005, a draft plan of disaster response has been prepared to have the MACHC to respond to disasters in accordance with the Reference. This will be done in two steps: a) Preparation phase; and b) Implementation phase following a disaster (see Draft MACHC Disaster Response Plan).

Efforts are currently underway to assist the Bahamas due to the Hurricane Dorian.



View Hurricane Dorian

Links:

- [MACHC DR Seminar \(26-27/Nov/18\)](#)
- [Caribbean Disaster Emergency Management Agency \(CDEMA\)](#)
- [ESRI's Disaster Response Program](#)
- [Tsunami Messages for the Caribbean Sea](#)
- [NGA Dorian Disaster Response Website](#)





Please Note this Report

