



# Initiatives of the Meso American-Caribbean Sea Hydrographic Commission



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

## Plenary Report

**Jim Rogers (Chair, US)**  
**Amy Northern (Vice-Chair, UK)**  
**30 November 2021**



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## Key accomplishments

- a) Completed the Bathymetric Data Protocols to support Disaster Response efforts in the MACHC Region. (WP #13)
- b) Initially reached out to other RHC MSDI WG to share best practices and knowledge. Met with SAIHC and SWPHC. (WP #14)
- c) Updated the [MMSDIWG Workplan](#)
- d) Updated [MMSDIWG Website](#) and used it as a method for sharing meeting materials and useful links.





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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)  
Vice-Chair: Amy Northern (UK/UKHO)

[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.

[MACHC MMSDIWG Inventory Survey](#) ←

[MACHC MMSDIWG Inventory - Additional Layers](#) ←

[Click Here to See: MACHC MMSDIWG Inventory Survey Results](#)

[Click Here to See: MACHC MMSDIWG Inventory - Additional Layers Results](#)

### MMSDIWG Members:

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

### Links:

- [Caribbean GeoPortal](#)
- [CaMPAM](#)
- [Caribbean Challenge In.](#)
- [Caribbean Marine Atlas](#)
- [GEOSUR](#)
- [Inspire](#)
- [IHO GIS](#)
- [Living Atlas](#)
- [MSDI Video](#)
- [SDI Portals](#)
- [UN-GEOM](#)



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## MACHC MSDI Inventory | Inventario de MACHC MSDI

Inventory of existing MSDI web resources and layers required within the MACHC Region |  
 Inventario de las capas y recursos web de MSDI existentes requeridos dentro de la Región MACHC

**\* Required**

Email address \*

Your email

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

Section 1: Marine Spatial Data Infrastructure (MSDI) Web Resources |  
 Sección 1: Recursos web de la Infraestructura de datos espaciales





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## MACHC MSDI Inventory - Additional Layers | Inventario de MACHC MSDI - Capas Adicionales

The Additional Layers Inventory was directed by the MACHC to improve the knowledge of available MSDI web resources within the MACHC Region. | El Inventario de Capas Adicionales fue dirigido por la MACHC para mejorar el conocimiento de los recursos web de MSDI disponibles dentro de la Región MACHC.

\* Required

This Survey is the result of direct MSDI User feedback for Additional Layers to better support their Use Case analysis.

- Dawn Seepersad
- Amrika Maharaj
- Cid Gonzalo



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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

Latest Meeting / Conference Call Information	Documents
MACHC-MMSDIWG Web Conference Call Meeting (November 3th, 2021)	<ul style="list-style-type: none"> <li>- Web Meeting Instructions</li> <li>- Agenda</li> <li>- Amrika Maharaj Slides</li> <li>- SAIHC17 SWPHC MSDI WG update to MMSDIWG</li> <li>- Bathymetric Data Protocols</li> </ul>



## MSDI Engagements / Partnerships

- f) Engaged with stakeholders on MSDI use cases / partnerships:
  - Economic Assessment of Risks in Maritime Navigation across the Greater Caribbean Region Project – Dawn Seepersad (WP #5a)
  - Risk Assessment and Mitigation Measures of Maritime Navigation in the Caribbean Sea – Amrika Maharaj (WP #5b)
  - Disaster Response Support – Sudesh Botha, Map Action (WP #5c)







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## MSDI Engagements / Partnerships

- f) Engaged with stakeholders on MSDI use cases / partnerships (Con't):
- CMA – Carolina Garcia (WP #6a)
  - Caribbean Geo Portal – Linda Peters (ESRI) (WP #6b)
  - EMODNET - Thiery Schmitt (SHOM), & Leendert Dorst, RNLN-NLHS (WP #6d)







## MACHC20 / MACHC21 MMSDIWG Actions

- a) MMSDI WG to explore how to become involved in the Caribbean Geospatial Development Initiative. Put the documents on the MMSDI WG site for all to review. Regular engagement with CariGEO (Action 20.8.1.2) (WP #6b) – **Ongoing**
  
- b) Member State and all coastal states are encouraged to make their other open marine spatial data available on the Caribbean Marine Atlas to take advantage of the excellent existing infrastructure and not have to recreate it individually. (Action 20.8.1.3) (WP #6a) - **Ongoing**



## MACHC20 / MACHC21 MMSDIWG Actions

- c) MMSDI WG to determine protocols needed to ensure that bathymetric data is accessible and in what formats to support MapAction disaster response mapping requirements. (Action 20.8.4) (WP #13) – **Complete 22 SEP 2021; Feedback incorporated 05 OCT 2021**
  
- d) Promote the discussion of any item with relevance to SDI/MMSDI/MSP and to take appropriate actions. (Action 21.2.1.1.6) (WP #16) - **Ongoing**





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## MACHC20 / MACHC21 MMSDIWG Actions

- e) MMSDIWG to consider data principles and standards for the MACHC MSDI efforts. Review the UN GGIM data principles as a starting point for the MMSDIWG. (Direction from MACHC21) (WP #15) - **Ongoing**



## Future MMSDIWG Direction and 2022 Workplan

a) Propose an action that all MACHC Coastal States update the MMSDIWG Inventory Survey and the MMSIDWG Inventory – Additional Layers Survey. (WP #4)

- Survey Links: <https://www.iho-machc.org/mmsdiwg.html>
- MMSDIWG Inventory – 16 Responses
- MMSDIWG Additional Layers Survey – 3 Responses





## Future MMSDIWG Direction and 2022 Workplan

- b) Continue building relationships with users and partners in the MACHC Region to better understand the MSDI needs and capabilities. (WP #5 & #6)
- c) Continue reaching out to other RHC MSDI WGs (i.e. SAIHC, SWPHC, etc.) to share best practices and knowledge. (WP #14)
- d) Continue to consider data principles and standards for the MACHC MSDI efforts. Review the UN GGIM data principles as a starting point for the MMSDIWG. (WP #15)



## Future MMSDIWG Direction and 2022 Workplan

- 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. (WP #6)
- f) Encourage Member States to consider some minimal regular update cycle to their MSDI data to ensure the data does not become outdated. (WP #6)





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## Future MMSDIWG Direction and 2022 Workplan

- g) Encourage Member States to coordinate provision of data to regional MSDI efforts like the Caribbean Marine Atlas (CMA) to improve discoverability and sharing of MSDI for non-navigation users. (WP #6a)
- h) MMSDIWG to determine MMSDIWG Secretary to support WG (WP #17)



## MMSDIWG Requests to the MACHC

- a) The MMSDIWG asks the MACHC to please note this report
- b) The MMSDIWG asks the MACHC to approve the 2022 workplan (which includes the 2021 ongoing actions), and future direction.
- c) The MMSDIWG invites all Member States to work with the MMSDIWG to implement the 2022 workplan.





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# Q & A

