



# 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)**  
**01 December 2022**



## Key accomplishments

- a) MMSDIWG Secretary position established and filled by Amrika Maharaj & Rachel Bobich. (WP #17)
- b) Reached out to other RHC MSDI WG to share best practices and knowledge. Met with ARHC MSDI WG. (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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- Capacity Building Committee
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- Disaster Response
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## Key Documents

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

[MMSDIWG Members and Participants](#)

[MMSDIWG Terms of Reference](#)

[MMSDIWG Work Plan](#)

[IHO-MSDI 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](#)



# Initiatives of the Meso American-Caribbean Sea Hydrographic Commission



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:
- Risk Assessment and Mitigation Measures of Maritime Navigation in the Caribbean Sea – Amrika Maharaj (WP #5b)
  - Silver Bank project - Rachel Bobich (WP #5e)





## MSDI Engagements / Partnerships

- f) Engaged with stakeholders on MSDI use cases / partnerships (Con't):
- CMA – Carolina Garcia (WP #6a)
  - Caribbean Geo Portal – Your Caribbean Story – Linda Peters (ESRI) (WP #6b)
  - PAIGH GeoSUR – Horncio Castellaro (WP #6c)







## 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**



## MMSDIWG Actions

- c) Promote the discussion of any item with relevance to SDI/MSDI/MSP and to take appropriate actions. (Action 21.2.1.1.6) (WP #16) – **Ongoing**
- d) 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**
- e) MMSDIWG to determine MMSDIWG Secretary (WP #17) – **Completed**  
[Amrika Maharaj & Rachel Bobich]



## MMSDIWG Actions

- f) Coordinate a workshop with UN GGIM to explore UN GGIM principles. (WP #18) – **New**
- g) MMSDIWG Representative to participate in the IHO MSDI Meetings (WP #19) - **New**
- h) Write Policy & Governance template document for Member States to use in developing an MSDI Policy. (WP #20) - **New**



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## Future MMSDIWG Direction and 2023 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
- MMSDIWG Additional Layers Survey



## Future MMSDIWG Direction and 2023 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 2023 Workplan

- e) Promote the discussion of any item with relevance to SDI/MSDI/MSP and to take appropriate actions. (WP #16)
- f) Coordinate a workshop with UN GGIM to explore UN GGIM principles. (WP #18)
- g) MMSDIWG Representative to participate in the IHO MSDI Meetings. (WP #19)



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## Future MMSDIWG Direction and 2023 Workplan

g) Write Policy & Governance template document for MS to use in developing an MSDI Policy.(WP #20)



## 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 2023 workplan (which includes the ongoing actions), and future direction.
- c) The MMSDIWG invites all Member States to work with the MMSDIWG to implement the 2023 workplan.





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