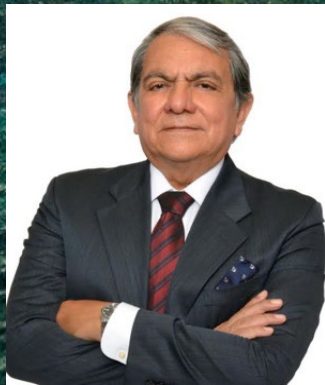


Seabed Mapping



Edgard Cabrera
Member Regional Planning Group for TAC

International Marine Science Conference on IOCARIBE GOOS
Bogotá, 8 Mayo 2023

Agenda

- **Marco Conceptual**
- **Reporte Grupo Consultor en Apoyo a las actividades regionales del Decenio en la Región de América Tropical y el Caribe**
- **MACHC Seabed 2030**
- **Recomendaciones y Acciones Futuras**



DECADE OUTCOMES

"THE OCEAN WE WANT"

- Un océano limpio
- Un océano saludable y resiliente
- Un océano productivo
- Un océano predecible
- Un océano seguro
- Un océano accesible
- Un océano inspirador y estimulante

OCEAN DECADE CHALLENGES



Contaminantes



Ecosistemas



Alimentos del océano



Economía oceánica



El nexo entre el océano y el clima



Riesgos relacionados con los océanos



Sistema de observación de los océanos



Representación digital de los océanos



Desarrollo de capacidades



Cambio de comportamiento

IOCARIBE – Grupo de Planeacion Regional - TAC

- Decade: 7 Webinars -> 16–17 Dec 2021 Kick-off Conference, 3(8) proposals
- Update to IOCARIBE MTS Strategy Science Plan
- Regional Planning Group to advance and coordinate strategic partnerships and actions for the Tropical Americas and Caribbean (TAC) Region

SUBMITTED PROJECTS

Knowledge and Solutions

TAC Pollutants Observatory

TAC Gain knowledge to respond to multiple stressors

Essential Infrastructure

TAC Ocean Observing and Forecasting System

Coastal Hazards Early Warning System and Services for the TAC Region

MACH – IOCARIBE Seabed 2030 project

Foundational

Ocean best practices in the TAC Region

Ocean Literacy in the TAC Region

Enhancing capacity development in the TAC Region

Submitted Projects – Call 02/2021

A set of 8 proposals were submitted on the 31 of January 2022 to the Ocean Decade Call for Action 02/2021.

3 discussed proposals were postponed for further submission.

From the submitted proposals 3 were endorsed during WOD - and 5 proposals endorsed provision of additional information.

WAY FORWARD

To disseminate and communicate among the TAC Region on the status of the completed work and future engagements

To encourage the work of National Ocean Commissions to achieve and contribute with the Ocean Decade implementation at the TAC Region

To request a consultancy to follow-up on the Regional Ocean Decade Actions - and assessment

To request the decision on the consultancy called by the DCU for the scoping study of the DCO at IOCARIBE

MACHC / IOCARIBE Seabed 2030

How do we build the map?

How can you contribute data?

Increasing Data Coverage

Crowdsourced Bathymetry and Data
Coverage Polygons

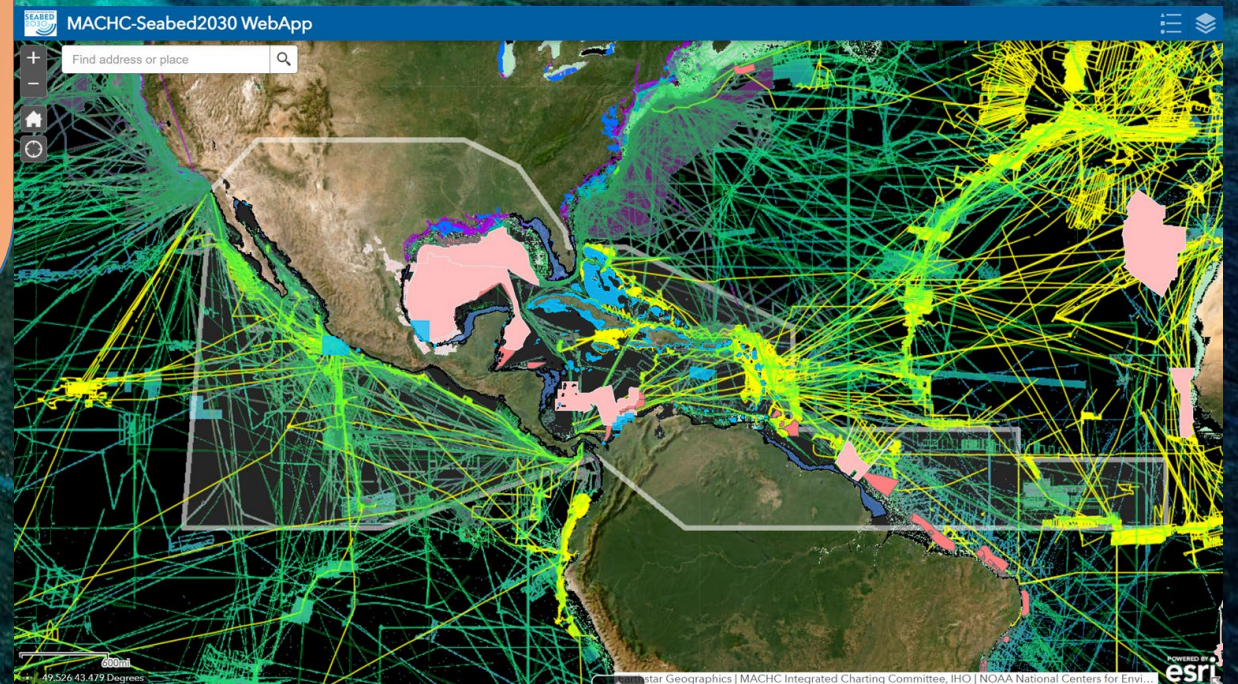
Moving Ahead Together

Next Steps



MACHC / IOCARIBE Seabed 2030 Current Mapping Status in the Region

- 26.6% of the Region has been mapped (based on data in the GEBCO grid)
- More data exists that has yet to be shared!
- The Webapp tool highlights gaps, existing public and non-public data to help prioritize future efforts to fill them.



MACHC / IOCARIBE Seabed 2030 Strategy (2021-2030)

Goal 1:

Contribute existing non-public bathymetric data to the IHO Data Centre for Digital Bathymetry (DCDB) and GEBCO grid

Goal 2:

Increase data coverage

Goal 3:

Build Capacity for mapping contributions

MACHC-IOCARIBE
Seabed 2030 Strategy
2021-2030

www.iho-machc.org/seabed2030.html



November 2020

Endorsement of Strategy as regional contribution to the UN Decade on Ocean Science

High-resolution bathymetric map will greatly inform and contribute to the goals, challenges and outcomes of the UN Decade.

Decade Challenge 8:

Develop a comprehensive digital representation of the ocean through multi-stakeholder collaboration that provides free and open access to explore, discover and visualize past, current and future ocean conditions.



Conclusiones

- ❖ Es necesario desarrollar un Sistema para vincular a los diferentes partes interesadas en los asuntos de politica y soluciones para la Agenda 2030
- ❖ Estrategia de mobilizacion de recursos a nivel global, regional y nacional.
- ❖ Mejor Visibilidad y marco institucional para las acciones relacionadas con el océano
- ❖ Mejor coordinación a nivel nacional en ciencias (Puntos focales nacionales : i.e. CCO)
- ❖ Oportunidad única para establecer un manejo sostenible de los océanos



Muchas gracias por su atención

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