

# 17th SESSION IOCARIB

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Sub-Commission for the Caribbean  
and Adjacent Regions



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Intergovernmental  
Oceanographic  
Commission

Subcomisión para el Caribe y  
Regiones Adyacentes

**Bogotá,  
Colombia**

**March 28-31, 2024**



**GOBIERNO DE COLOMBIA**



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## SESSION IOCARIBE



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**Bogotá, Colombia**  
**May 08 - 11, 2023**

## INSTITUTIONAL FRAMEWORK

JOANA AKROFI, PROGRAMME  
MANAGEMENT OFFICER, UNEP



GOBIERNO DE COLOMBIA



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DEL OCEANO

- The Global Environment Monitoring System for the Ocean and Coasts (GEMS Ocean) Programme
- Focus is on integrating global observing systems to provide fit-for-purpose information and data to member states/regional bodies and support policy making to conserve, restore and properly manage coastal and marine ecosystems.
- The transdisciplinary partnership is convened by UNEP.

# The Caribbean Digital Twin prototype (CDTp)

- CDTp is an innovative initiative that aims to improve our understanding of the Caribbean region's coastal and ocean environment and ultimately inform policy making.
- The CDTp will be supported by a Data Hackathon in the region, which will bring together experts and stakeholders to analyze and interpret data collected in the region and understand the constraints and opportunity for the development of the prototype.

- **Results** supported by capacity building activities in the region will be used to develop a digital twin prototype that can be used to monitor, model, and manage the use of the region's coastal and marine ecosystems.
- Try to integrate existing sources of data and information from a range of stakeholders to provide a comprehensive almost real-time, virtual representation of the Caribbean's coastal and marine environment.
- Provide support to ongoing efforts by the UNEP Cartagena Convention Secretariat and other regional and sub-regional intergovernmental organizations to develop period state of environment reports for the coastal and marine environment of the Wider Caribbean region.

**THANK YOU** 

**MUCHAS GRACIAS** 

**MERCI BEAUCOUP** 