

17th

SESSION IOCARIBE



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Intergovernmental
Oceanographic
Commission

Sub-Commission for the Caribbean
and Adjacent Regions

Subcomisión para el Caribe y
Regiones Adyacentes

Bogotá, Colombia
May 08 - 11, 2023

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OCEANOGRAPHIC DATA AND INFORMATION EXCHANGE (IODE)

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CO-CHAIR IODE-IOC-UNESCO

Bogotá, Colombia
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6.2.2 OCEANOGRAPHIC DATA AND INFORMATION EXCHANGE (IODE)

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IODE-IOC Co-CHAIR



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Background

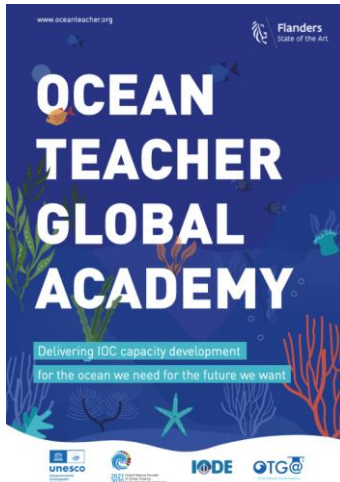
- The programme "International Oceanographic Data and Information Exchange" (IODE) of the IOC of Unesco was established in **1961**. Its purpose is to enhance marine research, exploitation and development, by facilitating the exchange of oceanographic data and information between participating Member States, and by meeting the needs of users for data and information products.
- The IODE system forms a worldwide service oriented network consisting National Oceanographic Data Centres (NODCs), Associated Data Units (ADUs) and Associated Information Units (AIUs).
- This network has been able to collect, control the quality of, and archive millions of ocean observations, and makes these available to Member States.
- **The Core of IODE is now ODIS/OIH, OBIS, OTGA**

- **The Ocean Data and Information System (ODIS)** provides an interoperability layer and supporting technology to allow existing and emerging ocean data and information systems, from any stakeholder, to interoperate with one another.
- ODIS links these distributed, independent, systems through a decentralized interoperability architecture (ODIS-Architecture), to form a digital ecosystem. As with natural ecosystems.
- ODIS will provide a comprehensive and global e-environment where users can discover data, data products, data services, information, information products and services provided by Member States, projects and other partners.
- ODISCat, the **IOC Ocean Data and Information System Catalogue of Sources Project** contains (April 2023) over 3100 references to online sources of data and information.

<https://odis.org>

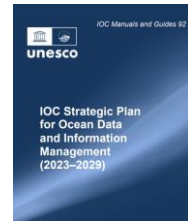
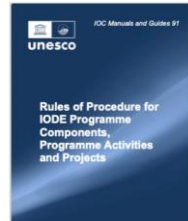
- **Ocean Biodiversity Information System** is a global open-access data and information clearing-house on marine biodiversity for science, conservation and sustainable development (<https://www.obis.org>).
- More than 30 OBIS nodes around the world connect 1000 institutions from over 61 countries. Collectively, they have provided over 100 million observations of 180 000 marine species, from Bacteria to Whales, from the surface to 10 900 meters depth, and from the Tropics to the Poles.
- Currently there in the Americas are 6 OBIS nodes: Caribbean OBIS (Venezuela); S-W Atlantic OBIS (Brazil); OBIS Colombia; OBIS Argentina; S-E Pacific OBIS (Chile); CPPS-OBIS.
- Maybe would benefit from a more regional approach, and perhaps IOCARIBE can provide that platform.
- OTGA-RTC at the Region can provide training to OBIS nodes.

- Presentation in 6.3.1 (later)



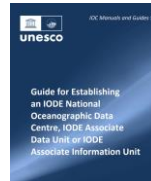
Guides or Manuals

- The rules of procedure document explains how to establish a new IODE activity, how to set up its governance mechanisms including steering group and project management.
- IODE Committee adopted the IOC Strategic Plan for Ocean Data and Information Management (2023-2029) Recommendation IODE-XXVII/6.2



Recommendations

- ✓ IODE invites Member States to establish NODCs, ADUs or AIUs.
- ✓ Invite Member States (MS) to use and contribute to OBIS through regional alliance or network with the existing OBIS nodes and maybe establish new OBIS nodes.
- ✓ Invite MS to use AquaDocs (<https://www.aquadocs.org>) as a repository for documents/publications, such as coastal management legislation, reports of IOCARIBE projects, among others.
- ✓ Recommended to enter online data and information services into ODISCat, and contribute to OIH/ODIS by establishing nodes.
- ✓ Adopt new IOC strategic plan for data and information management (2023-2029).



THANK YOU 

MUCHAS GRACIAS 

MERCI BEAUCOUP 