

17th

SESSION IOCARIBE



unesco

Intergovernmental
Oceanographic
Commission

Sub-Commission for the Caribbean
and Adjacent Regions

Subcomisión para el Caribe y
Regiones Adyacentes

Bogotá, Colombia
May 08 - 11, 2023

  @IocUnesco | @Iocaribeocean

ioc.unesco.org | iocaribe.ioc-unesco.org



GOBIERNO DE COLOMBIA



unesco
Comisión Nacional
de Cooperación con la UNESCO



COMISIÓN
COLOMBIANA
DEL OCEANO

17th SESSION IOCARIBE

IOC OCEANOGRAPHIC DATA EXCHANGE POLICY



unesco

Intergovernmental
Oceanographic
Commission

Sub-Commission for the Caribbean
and Adjacent Regions

Subcomisión para el Caribe y
Regiones Adyacentes

Bogotá, Colombia
May 08 - 11, 2023

PAULA CRISTINA SIERRA-CORREA, PHD MARINE SCIENCE
CO-CHAIR IODE-IOC-UNESCO



GOBIERNO DE COLOMBIA



COMISIÓN
COLOMBIANA
DEL OCEANO

ioc.unesco.org | iocaribe.ioc-unesco.org



@IocUnesco

@Iocaribeocean

Background

- 31st Session (June 2021) IOC Assembly, recognized that a revision of the 20-year-old IOC data exchange policy was timely, and adopted Decision A-31/3.4.2 (IODE) including part III *Revision of the IOC Oceanographic Data Exchange Policy (2003, 2019)*
- Established the IOC Intersessional Working Group (IWG-DATAPOLICY) and defined its terms of reference.
- The IWG would reflect on the international, regional and national developments and improvements in data sharing principles and should align with updated policies from other organizations, such as WMO.

Background

- The revised IOC data exchange policy should also serve and be applicable to the variety of data types and applications under the UN Decade of Ocean Science for Sustainable Development (2021-2030), and should consider the increased interest from philanthropic and private or commercial enterprises in using the ocean data collected by our Member States and recovered and stored by IODE.
- 7 steps between Dec. 2021 to March 2023 were conducted; step 7 submitted the 1st draft of the new IOC data policy to the IODE-XXVII session,

Data Policy Sections

- **S1. Preamble**
- **S2. Purpose:** The purpose of this data policy is to outline the requirements with respect to sharing, access, preservation, and attribution to facilitate the broad use and reuse of metadata, data and products.
- **S3. Fair & Care Principles:** Findable, Accessible, Interoperable and Reusable (FAIR) and In the case of indigenous data and information, data should meet the CARE principles (Collective Benefit, Authority to Control, Responsibility, Ethics).
- **S4. Conditions of use:** Data should be licensed under a minimally restrictive and voluntary common-use licence that grants permission, ensures proper attribution (for example, citable using a persistent identifier) and allows others to copy, distribute and make use of the data.

Data Policy Sections

- **S5. Data Repositories & the IOC Ocean Data and Information System (ODIS):** Data should be quality controlled (using community adopted and documented best practices or standards), accompanied by complete metadata and stored in an openly discoverable and accessible data repository and made available through standards-based data services.
- Member States shall encourage convergence and interoperability and, where possible, use IODE data centres (National Oceanographic Data Centres or Associate Data Units) or other IOC programme related data centres that share metadata and data using the ODIS.
- ODIS is an interoperability layer and supporting technology to allow existing and emerging ocean data and information systems, to interoperate with one another.

Data Policy Sections

- **S6. Secure long-term data archives:** Data and associated metadata should be submitted, to the best practicable degree, to IODE's World Ocean Database (WOD), the Ocean Biodiversity Information System (OBIS), Global Sea Level Observing System (GLOSS), other IOC related global data archives, and data centres linked to the World Data System (WDS), their successors or other global data archives.
- **S7. Acces restrictions:** Data and associated metadata should be made available with minimal restrictions on use unless there are valid reasons to restrict access.
- **S8. Data sharing policies of Member States:** This Policy acknowledges the right of Member States and data owners to determine the terms of metadata, data and products sharing in a manner consistent with national jurisdictions, international conventions, and treaties, where applicable.

Data Policy Sections

- **S9. Data and Metadata Sharing Guidelines:** IOC programmes, projects as well as other communities of practice should develop and/or apply, where applicable, detailed metadata, data and products sharing guidelines that are consistent with this IOC Data Policy and Terms of Use.
- **S10. Definitions**
 - **'Data'** is a set of values, symbols or signs (recorded on any type of medium) that represent one or more properties of an entity
 - **'Metadata'** is 'data about data' describing the content, quality, condition, and other characteristics of data that allows their inventory, discovery, evaluation or use.
 - **'Timely'** in this context means the distribution of data and/or products, sufficiently rapidly to be of value for a given application.
 - **'Openly'** means data that can be freely used, re-used and redistributed by anyone - subject only, at most, to the requirement to attribute and share alike.
 - **'Product'** means a value-added enhancement of data applied to a particular use.

Expressions & Recommendations

The IODE-XXVII Committee expressed its great appreciation to the IWG-DATAPOLICY as well as all other experts who participated in the process leading to the new Policy.

The IODE-XXVII Committee adopted [Recommendation IODE-XXVII/6.4](#)

Next Step: The IWG-DATAPOLICY will submit the final draft of the new proposed policy to the IOC Assembly at its 32nd session for adoption

The IODE-XXVII Committee strongly recommended that IOCARIBE member states support the Data Policy at the 32nd Session (June 2023) IOC-Assembly and adopt the Policy as a new global commitment to *"Data & Information we need for the future of Ocean we want"*.



THANK YOU 

MUCHAS GRACIAS 

MERCI BEAUCOUP 