IODE 2024-2025

DCO-ODS webinar

31 January 2024

IODE 1961

- Established in 1961

- *"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"*

https://www.iode.org

IODE transformation 2023

International Oceanographic Data and Information Exchange

ODIS
Federated digital ecosystem

- 28 partners
- World Ocean Database
- GODAR
- GTSPP
- GOSUD
- IQuOD
- AquaDocs
- OceanExpert
- ICAN
- OBPS (jointly with GOOS)
- QMF

OBIS
Global open-access data and information clearing-house on marine biodiversity for science, conservation and sustainable development

- 33 OBIS nodes
- PacMAN
- eDNA Expeditions
- MARCO-BOLO
- DTO-BioFlow
- MPA Europe
- eDNAquaPlan
- BioEcoOcean

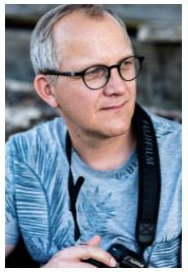- GOOS BioEco Portal
- HAB portal

OTGA
Federated training ecosystem with joint content platform and network of training centres

- 17 regional and specialized training centres
- Close cooperation with IOC Capacity development Unit

101 data centres in 68 Member States

IODE core team

OBIS
Ward. — Pieter — Silas. — Saara
Lisa. — Elizabeth. — Katherine. — Martha
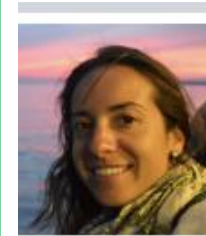
ODIS
Pier Luigi. — Lucy
Doug. — Jeff

OTGA
Ana Carolina — Greg
Aidy — Uday

+ >100 members of SGs
+ >100 NODC, ADU, AIU colleagues
+ >100s experts

IODE management, administrative and technical support
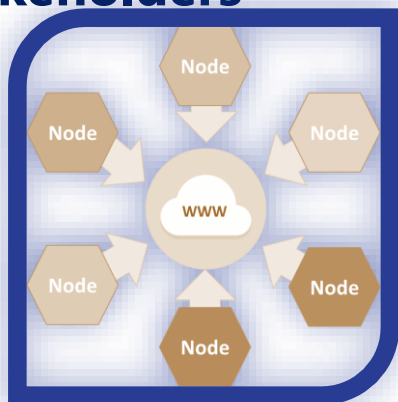Peter — Kristin — Sofie — Arno — Lotta — Paula

The Ocean InfoHub and ODIS

Mission: To build a sustainable, interoperable, and inclusive digital ecosystem for all ocean stakeholders

- Improve discovery and interoperability of existing information systems across sectors (private, public, etc) for sustainable ocean management

- Provide capacity building to support contributors and end-users of the global OIH and regional nodes

- Connect independent digital initiatives to form a diverse, but interoperable and inclusive, Ocean Data and Information System

2021-2023 Proof of concept demonstrated with 28 partners from around the world

2024-2025

- Begin implementation of ODIS as an IODE Programme
- ODIS offers a long-term solution for NODCs, ADUs, scientific infrastructures, and new partners to co-implement FAIR
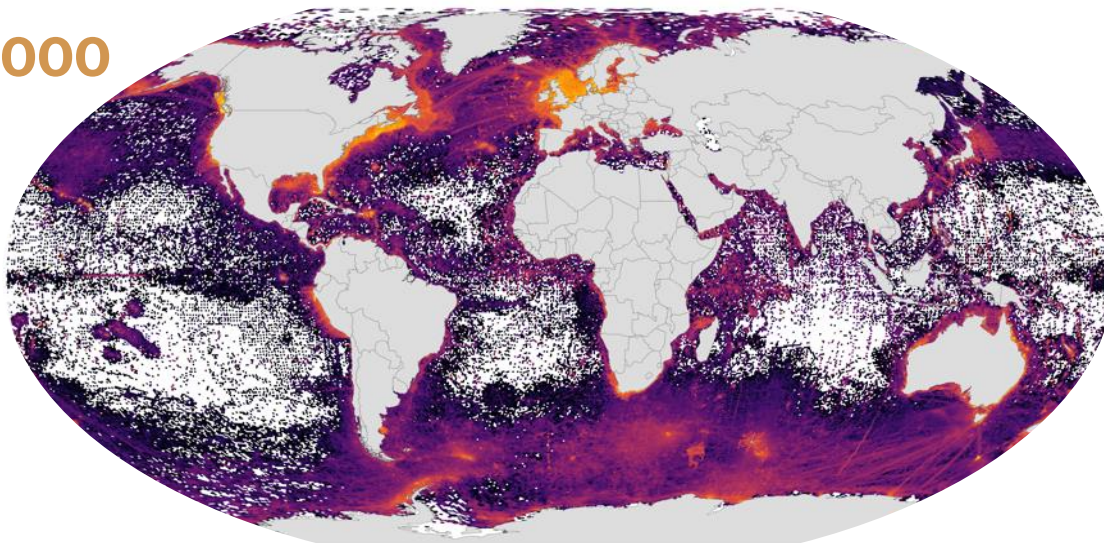- The "ocean digital ecosystem" aligned to the "Data & Information Strategy for the UN Ocean Decade"

The internet of ocean data and information?

Ocean Biodiversity

To be the most comprehensive gateway to the world's ocean biodiversity and biogeographic data and information required to address pressing coastal and world ocean concerns.

Since 2000

126,479,041	168,123,962	5,092	183,441	23,341,844
PRESENCE RECORDS	MEASUREMENTS AND FACTS	DATASETS	ACCEPTED SPECIES	SEQUENCES

Highlights

- x10 data contributions
- x2 scientific papers
- ±5M US$ in projects (5 EU + 2 FUST)
- Increase from 2 to 6 staff
- eDNA focus, UNESCO DG priority

Priorities 2024 beyond

Data Mobilization

Data Products (CBD, IPBES, WOA, …)

Partnerships

How?

- Two OBIS coordination groups (data & products
- Cooperation with GOOS and OCG
- Shared workspace for products
- Training and local field projects

OTGA – strategic objectives and action

OTG@ OceanTeacher Global Academy

VISION

To build equitable capacity related to ocean research, observations, and services in all IOC Member States by delivering training courses on a range of topics addressing the priority areas of the UN Decade of Ocean Science for Sustainable Development and the 2030 Agenda and its SDGs as well as supporting the implementation of the IOC Capacity Development Strategy.

Sharing **training resources and expertise** in a coordinated framework

17 Regional and Specialized **Training Centres**

Languages used for teaching: English, Spanish, French, Portuguese

Outcome Nº 1 Increased capacity and skills by ocean specialists to use standards and best practices tools towards achieving SDG 14.

Outcome Nº 2 Regional and Specialized Training Centres efficiently developed and managing the training programme

https://oceanteacher.org

How?

- **Training courses (online, F2F, blended)**
- **Network of RTC/STC**
- **Common e-Learning platform**
- **Quality procedures ISO certification**

Priorities 2024 beyond

- \+ face-to-face training
- international internship
- education innovation
- resource mobilization