

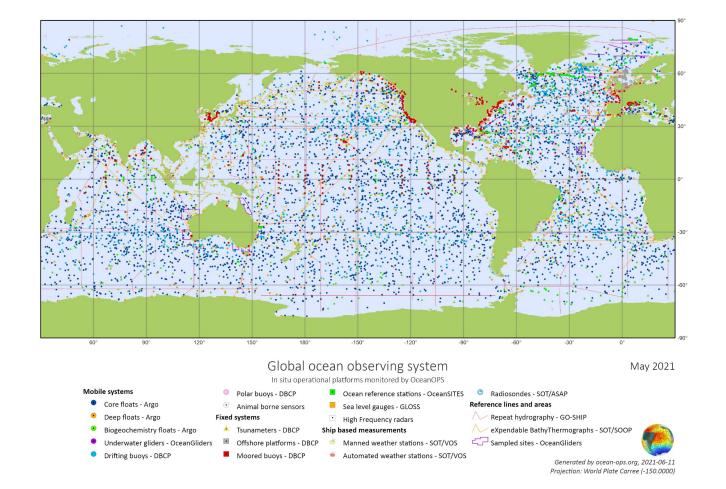
### SESSION II: Data for Ocean and implementation of SDG14

Review and sharing of best practices and lessons learned on access and collection of Ocean data

'From Lisbon to Nice: Implementing SDG 14 with the Communities of Ocean Action'

**14 November 2023** 

#### **Ocean Data system in IOC**







The Global Ocean Observing System (GOOS) provides countries and end-users with critical information on physical, chemical, and biological essential ocean variables, aimed at delivery for climate, operational services, and ocean health. The GOOS mission is to lead the ocean observing community and create the partnerships to grow an integrated, responsive and sustained observing system







#### Ocean Data system in IOC





The International Oceanographic Data and Information Exchange (IODE) of the Intergovernmental Oceanographic Commission (IOC) of UNESCO.

- 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.
- Coordinates a global network of more than 100 National Oceanographic Data Centres (NODCs), Associate Data Units (ADUs) and Associate Information Units (AIUs).
- Includes more than 15 specific projects.

#### **IODE** projects











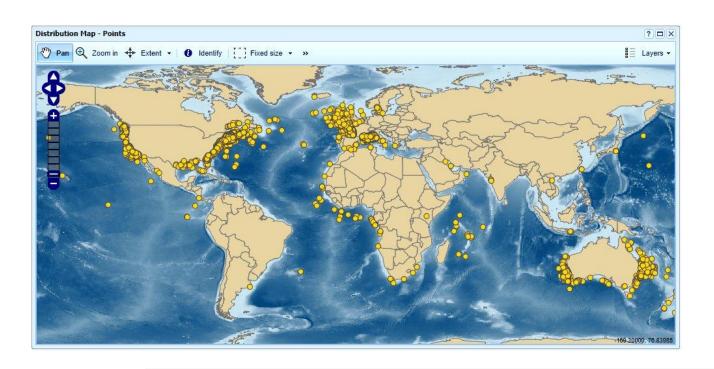




#### **OBIS**







More than 20 OBIS nodes around the world connect 500 institutions from 56 countries. Collectively, they have provided over 45 million observations of nearly 120 000 marine species, from Bacteria to Whales, from the surface to 10 900 meters depth, and from the Tropics to the Poles. The datasets are integrated so you can search and map them all seamlessly by species name, higher taxonomic level, geographic area, depth, time and environmental parameters.



122,859,942

PRESENCE RECORDS



165,670,857

MEASUREMENTS AND FACTS



5,048

DATASETS



183,157

ACCEPTED SPECIES



23,342,369

SEQUENCES

# Data, information & knowledge are cornerstones of the Ocean Decade's success





- 1. Understand and beat marine pollution
- 2. Protect and restore ecosystems and biodiversity
- 3. Sustainably feed the global population
- 4. Develop a sustainable and equitable ocean economy
- 5. Unlock ocean-based solutions to climate change
- 6. Increase community resilience to ocean hazards
- 7. Expand the Global Ocean Observing System
- 8. Create a digital representation of the Ocean
- 9. Skills, knowledge and technology for all
- 10. Change humanity's relationship with the ocean

















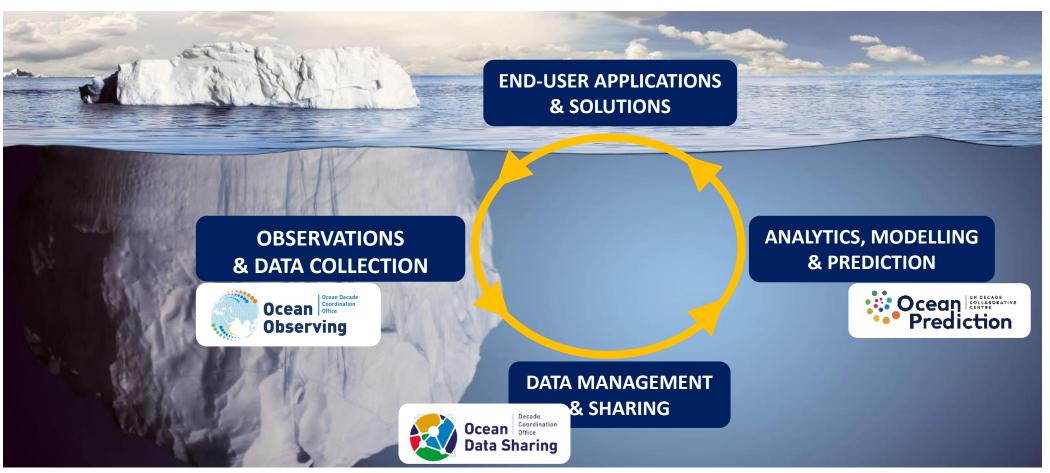




# An opportunity to lift all components of the data flow and value chain



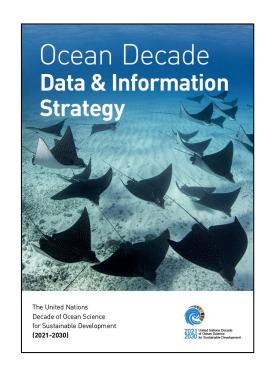














#### Download here:





2021 United Nations Decade of Ocean Science for Sustainable Development

Intergovernmental Oceanographic Commission

## Data Coordination Group Develop a data & information strategy

Vision 2030
Ambition setting for 10 Decade Challenges



Priority datasets, data and capacity gaps to fill