

Ocean Best Practices System:

a global resource to facilitate harmonizing practices in ocean observation, data and information

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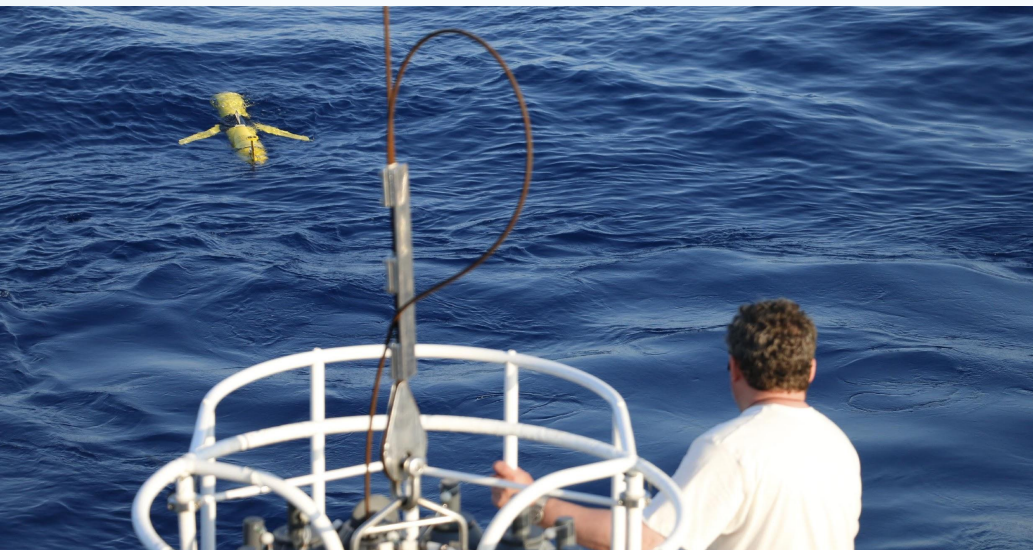
Best Practice Vision

- To have agreed methods for every activity in ocean observing research, operations and applications that are broadly adopted.



Best Practice Mission

- To provide and sustain a system which fosters collaboration, consensus building, and innovation by providing coordinated and global access to best practices across ocean sciences.



Ocean Best Practices System

- Living, Sustained, Comprehensive System for Ocean Observing Best Practices
- Academic recognition through peer review and DOIs
- Improved visibility from search engines
- Training resource
- Greater Interoperability across programs and institutions

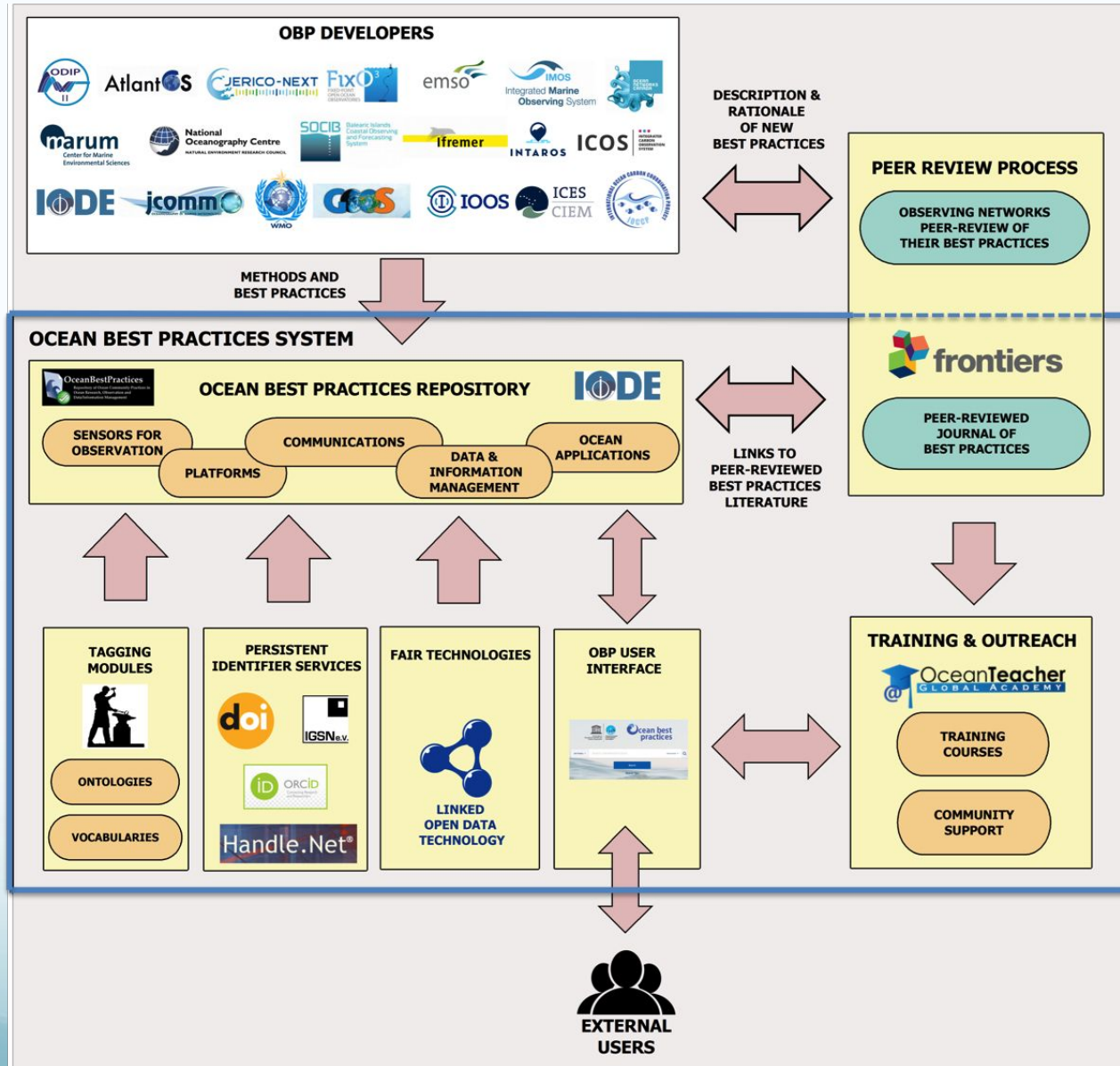


The widespread availability of OBP is as important as the fundamental concept of data sharing and open data.

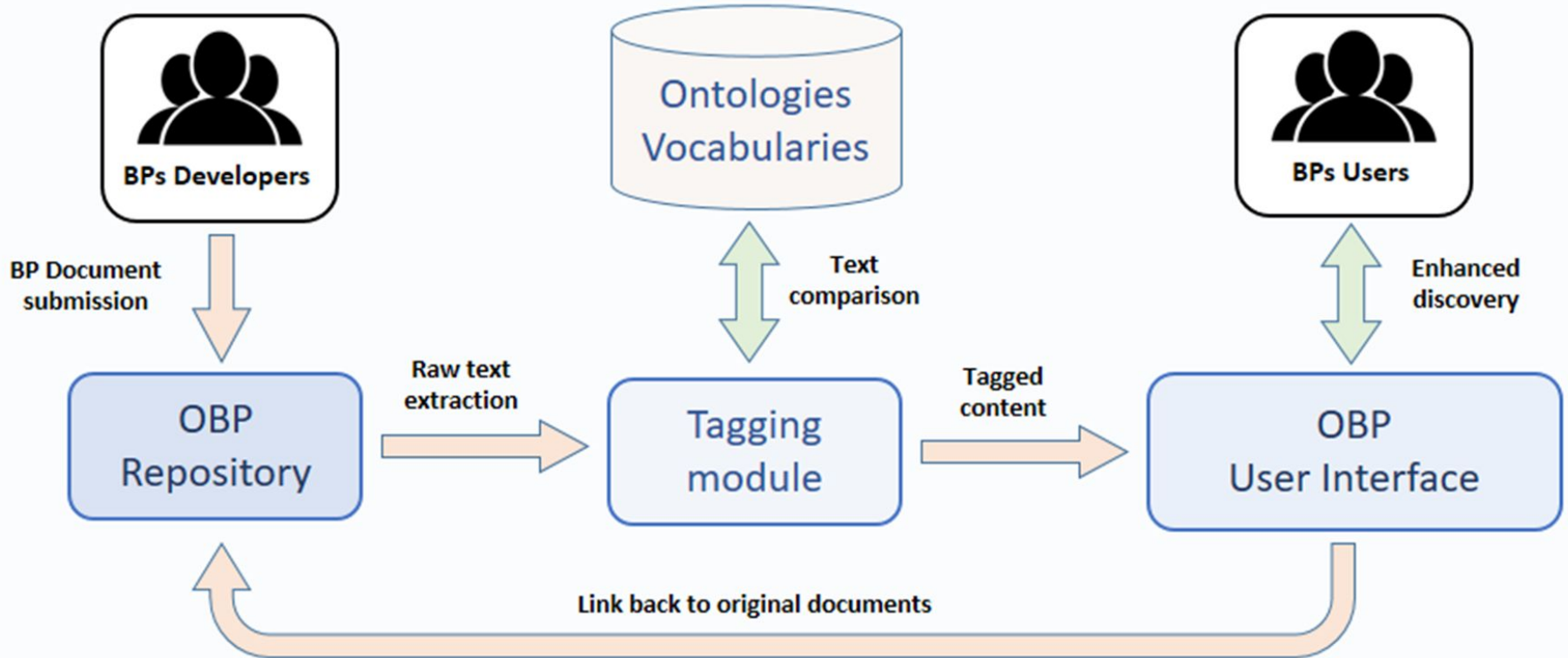
Just as it is recognized that there is a huge loss if we fail in creating more open data and in linking data among different sectors (UN Data Revolution Group, 2014), there is also a huge cost in poor knowledge acquisition or attrition of expertise that could be avoided by systematic implementation of OBP and the transfer of methodologies across programs, regions and generations.



Ocean Best Practices System



OBPS - Document Tagging



Evolving and Sustaining Ocean Best Practices Workshops, IOC, Paris, Nov 2017 & Dec 2018

“A community best practice is a methodology that has repeatedly produced superior results relative to other methodologies with the same objective.”

“To be fully elevated to a best practice, a promising method needs to be adopted and employed by multiple organizations.”

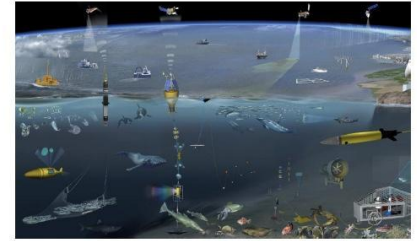


Image credit: NEXOS Project

**Evolving and Sustaining
Ocean Best Practices Workshop**
15 – 17 November 2017
Intergovernmental Oceanographic Commission, Paris, France

Proceedings

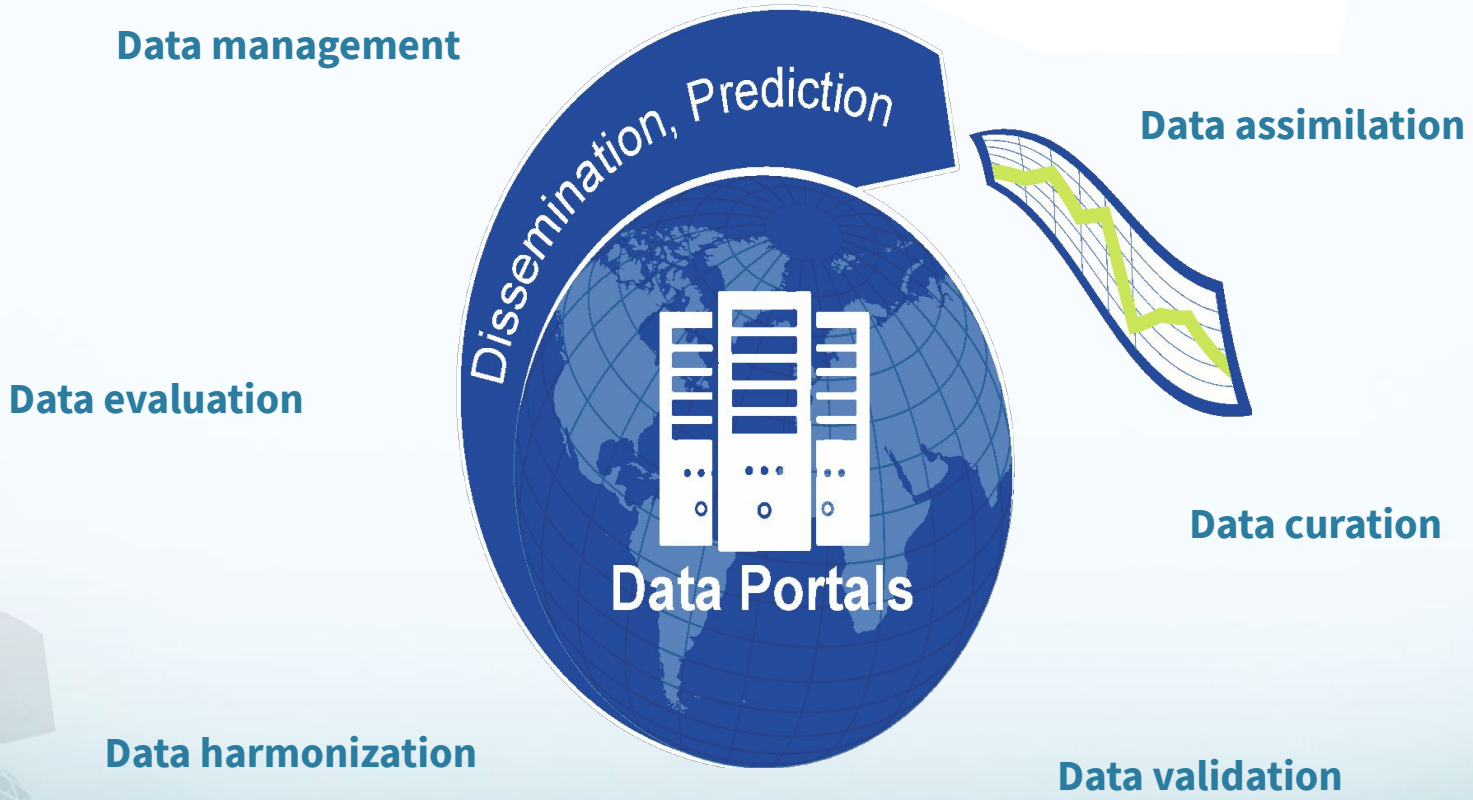
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January 2018



Data flow and integration



The Way Forward

From Development Project to Operational Status

- Long-term “Home” for the OBPS
- IOC/IODE of UNESCO
- e-Repository and System hosted/managed by IOC Project Office for IODE
- IT support offered



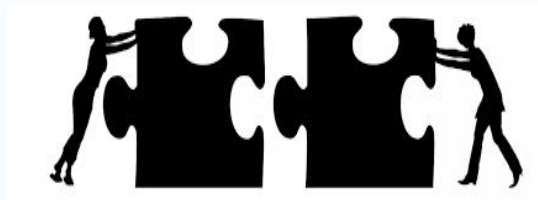
OBPS: IOC Project

IODE and GOOS will jointly request establishment of a formal **OBPS Project** under the IOC umbrella

- a. **IODE Management Group review project proposal (Dec 2018)** ✓
- b. **IODE-XXV Committee project proposal review and approval (20-22 Feb 2019)** ✓
- c. **GOOS Steering Committee approval (01-03 May 2019)**
- d. **IOC 30th Assembly (26 Jun – 04 Jul 2019)**

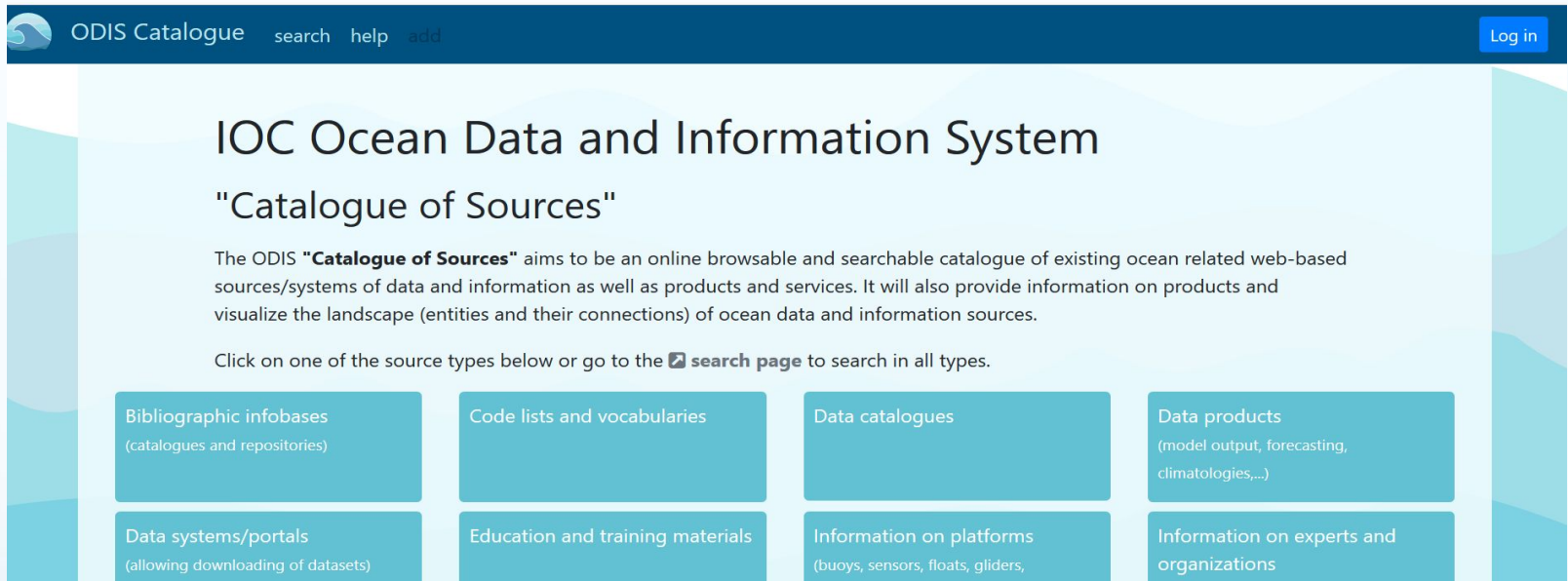
OBPS: Formal IODE Project

- IOC Steering Group for OBPS will be established from the IODE & Ocean Observing Community



- Will build on the success of the OBPS advanced technology enhancements already implemented
- Will build on its synergies with other IODE Activities

IOC Ocean Data and Information System



ODIS Catalogue search help add [Log in](#)

IOC Ocean Data and Information System "Catalogue of Sources"

The ODIS "**Catalogue of Sources**" aims to be an online browsable and searchable catalogue of existing ocean related web-based sources/systems of data and information as well as products and services. It will also provide information on products and visualize the landscape (entities and their connections) of ocean data and information sources.

Click on one of the source types below or go to the [search page](#) to search in all types.

Bibliographic infobases (catalogues and repositories)	Code lists and vocabularies	Data catalogues	Data products (model output, forecasting, climatologies,...)
Data systems/portals (allowing downloading of datasets)	Education and training materials	Information on platforms (buoys, sensors, floats, gliders,	Information on experts and organizations

Ocean Best Practices System
will be an ODIS prime data source



OBPS plans to implement a Community Review Platform within OBPS-Repository

Mechanism for community feedback

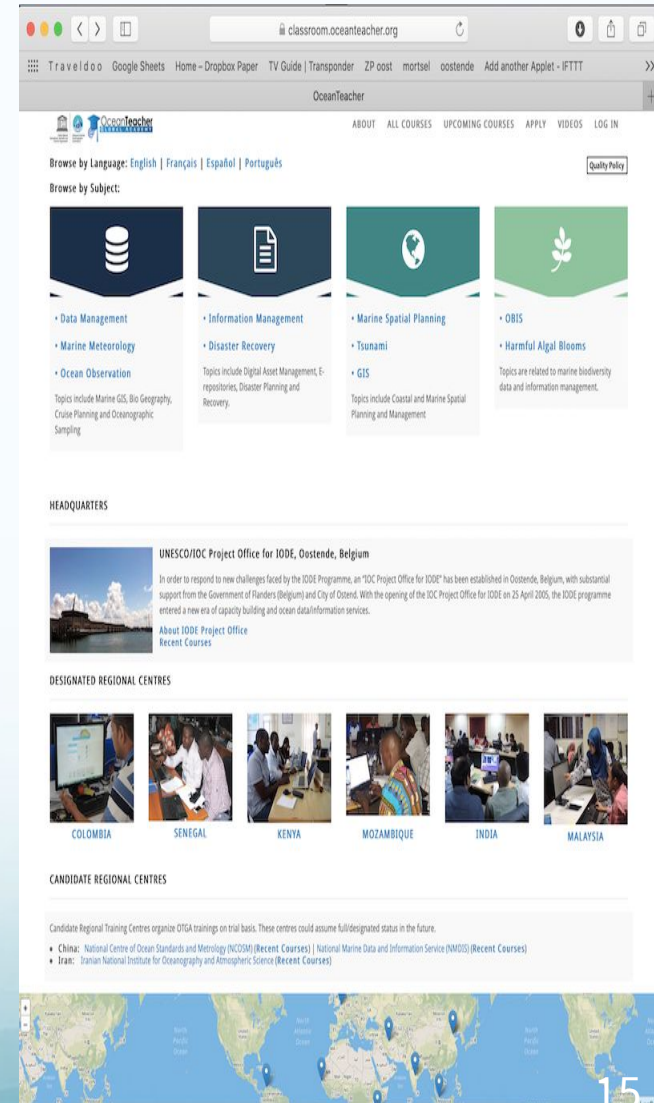
- direct to authors
- perhaps less formal on interface



- best practices
- Ocean Data Standards proposals:
Initial review procedure

Ocean Best Practices Training

- Capacity development and training in the use and creation of OBP on sensors, applications, data management etc;
- Initially planned as a series of in-person courses
- Provided in multiple languages, using the OTGA RTC network
- Train a much larger community
- Provision of train-the-trainer courses
- Training video linked to the OBPS record
- Long-term goal of creating a library of virtual OBP training resources which would be used in personal and virtual environment.
- OBPS Repository on a disk where internet access is limited.
- In addition to the courses directly linked to the OBPS, the goal is that, through the expanding community of the OBPS, summer schools



The screenshot shows the OceanTeacher website interface. At the top, there is a navigation bar with links for 'ABOUT', 'ALL COURSES', 'UPCOMING COURSES', 'APPLY', 'VIDEOS', and 'LOG IN'. Below this, there are language options: 'Browse by Language: English | Français | Español | Português' and a 'Quality Policy' link. The main content area is titled 'Browse by Subject:' and features four large, colorful buttons representing different subject areas:

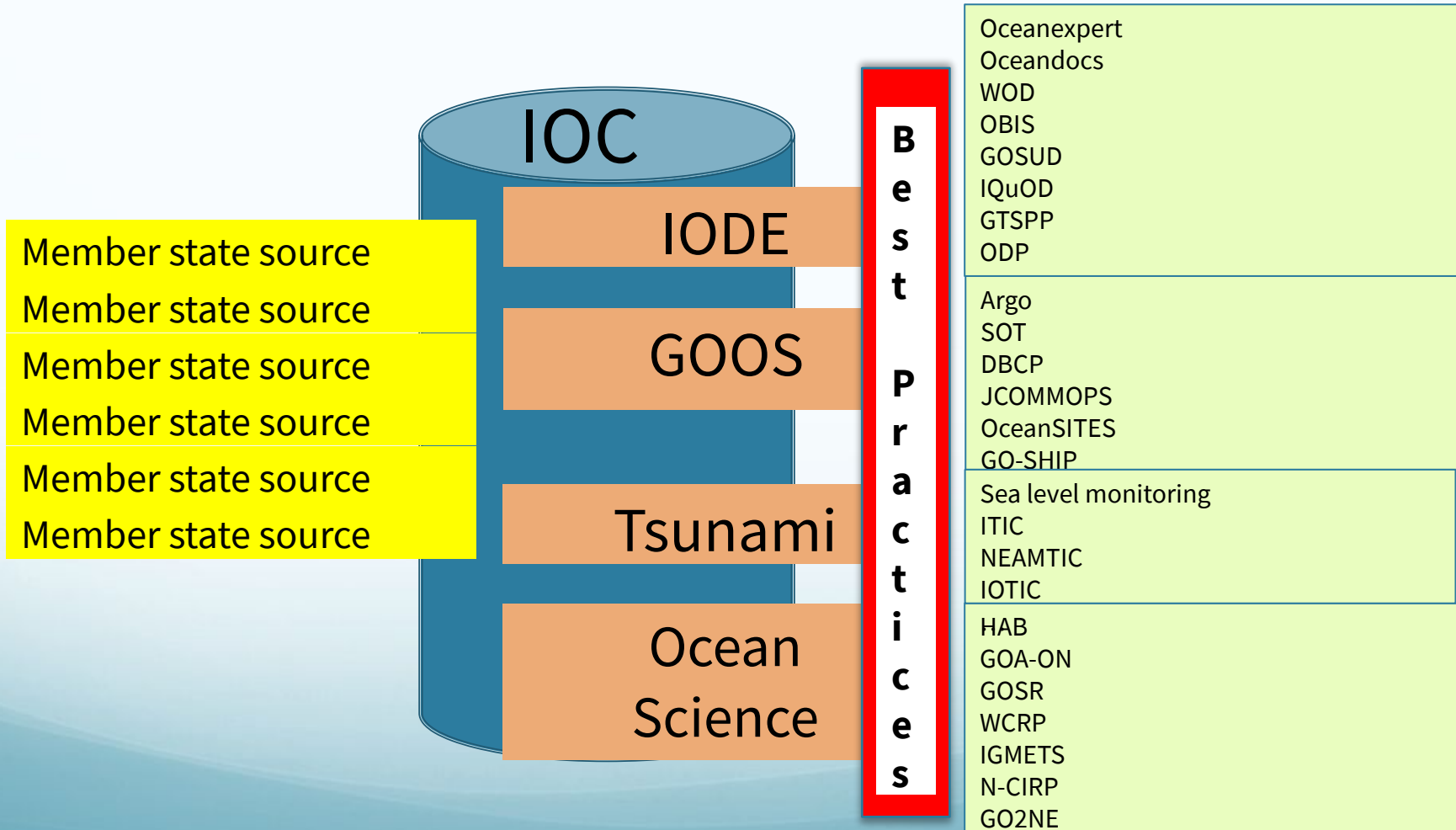
- Data Management**: Topics include Marine GIS, Bio Geography, Cruise Planning and Oceanographic Sampling.
- Information Management**: Topics include Digital Asset Management, E-repositories, Disaster Planning and Recovery.
- Marine Spatial Planning**: Topics include Coastal and Marine Spatial Planning and Management.
- OBIS**: Topics are related to marine biodiversity data and information management.

 Below the subject buttons, there is a 'HEADQUARTERS' section featuring a photo of the UNESCO/IOC Project Office for IODE in Oostende, Belgium, with a brief description of its establishment and support. Underneath is the 'DESIGNATED REGIONAL CENTRES' section, which displays a grid of photos and names for centers in Colombia, Senegal, Kenya, Mozambique, India, and Malaysia. The 'CANDIDATE REGIONAL CENTRES' section follows, listing China (National Centre of Ocean Standards and Metrology) and Iran (Iranian National Institute for Oceanography and Atmospheric Science) as potential future centers. At the bottom of the page, there is a world map with blue location pins indicating the global distribution of these centers.

Ocean Best Practices

are

Created by the Community for the Community

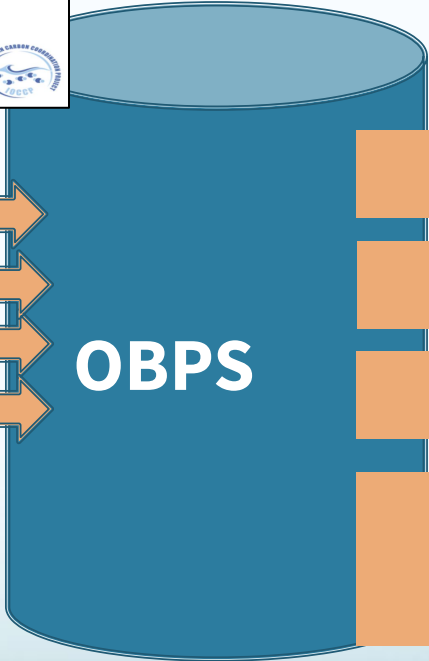
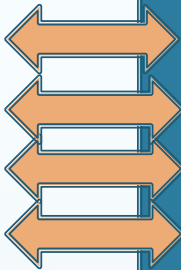


Global Community Engagement

IOC + Organizations, Networks, Projects
International Agencies, Industry...



FAO
WMO
IMO
UNEP
...



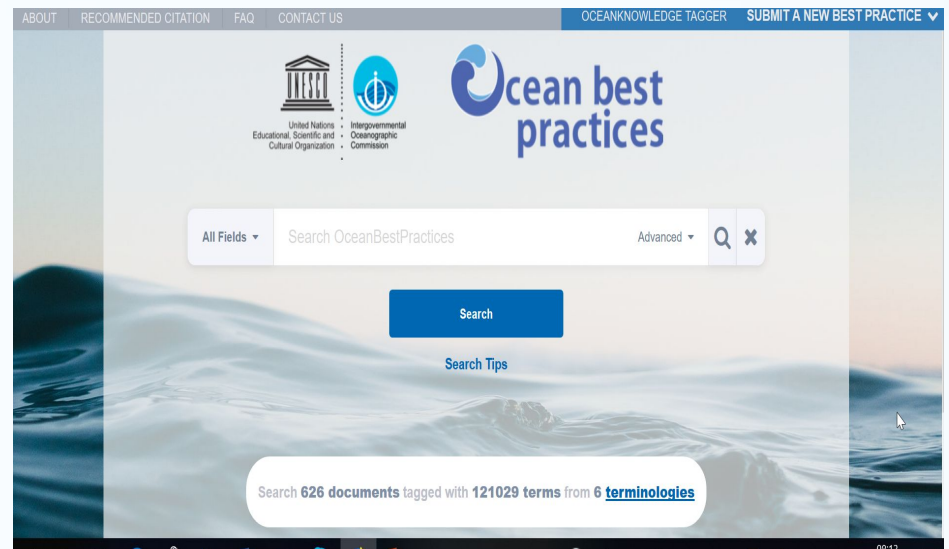
OBPS



IOC

**UN Decade on Ocean Science for Sustainable Development :
Repository metadata recording best practices : SDGs**





New User Interface

<https://www.oceanbestpractices.org>

Please give us your feedback
and your best practices!
Thank You