

# Ocean Best Practices System - OBPS: supporting interoperability, replication and training for European ocean observing



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An Ocean Best Practices System (OBPS) has been designed expressly to address the challenges of multidisciplinary research needed to answer the global challenges such as climate change and others (Pearlman et al., 2017). This solution covers the entire range of ocean observations including observing, data management and user support and draws on the developing fields of natural language processing and ocean vocabularies.

## COMMUNITY OCEAN BEST PRACTICE

**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 will have been adopted and employed by multiple organizations.**

### OBPS VISION

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

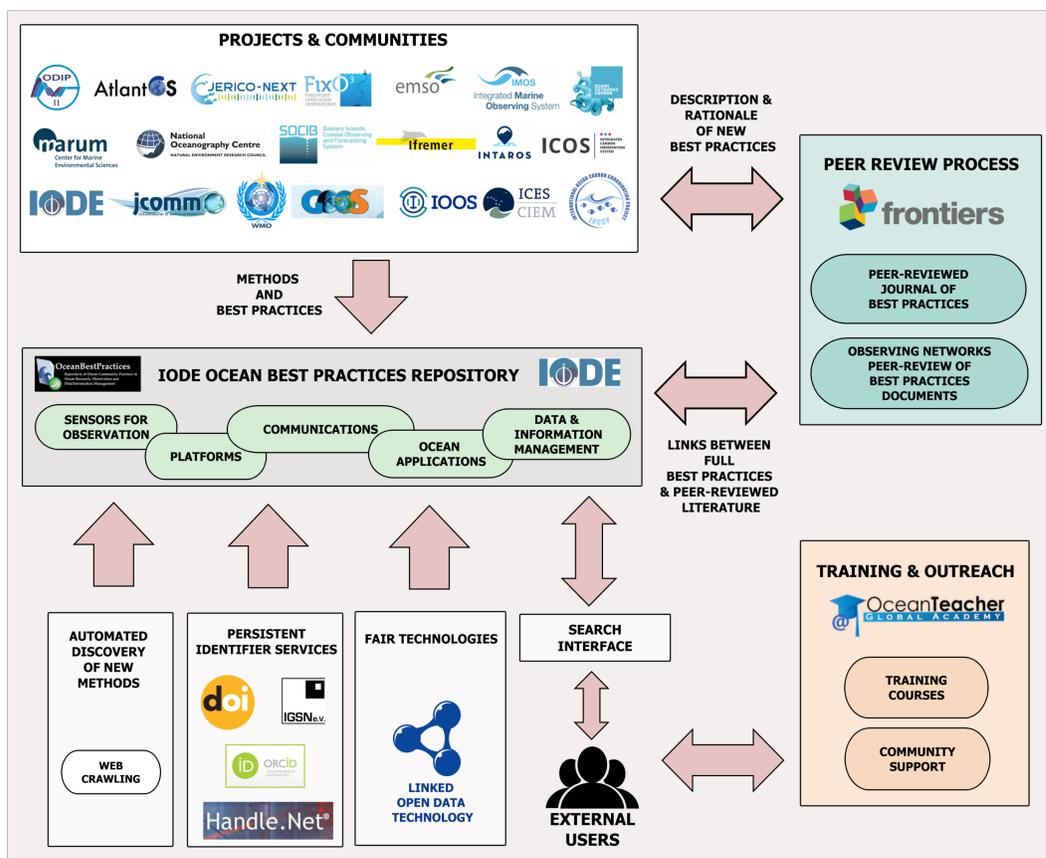
### OBPS MISSION

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

### OBPS CREATOR BENEFITS

- Content indexing by all major search engines
- Content tagging for improved discovery and use
- DOIs issued for citability
- Associated peer reviewed papers
- Simple submission process supported by templates
- User metrics

## OBPS END-TO-END FLOW DIAGRAM



### IODOE OBPS REPOSITORY

Sustained, open access and internationally recognized repository  
[www.oceanbestpractices.net](http://www.oceanbestpractices.net)



### FRONTIERS IN MARINE SCIENCE

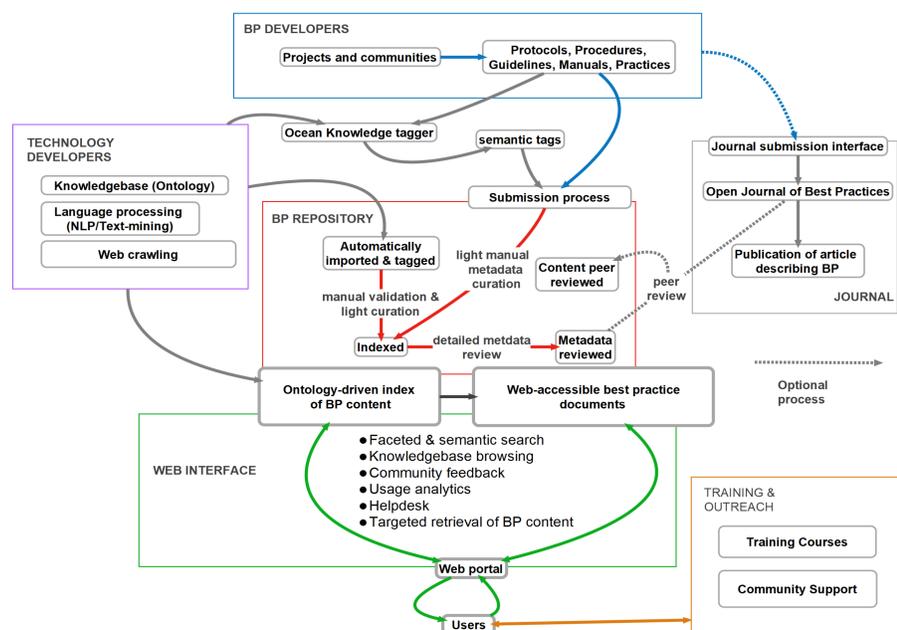
A Research topic "Best Practices in Ocean Observing" where authors can describe their best practices and benefit from peer review, academic crediting and high community visibility.  
[journal.frontiers.org/researchtopic/7173](http://journal.frontiers.org/researchtopic/7173)



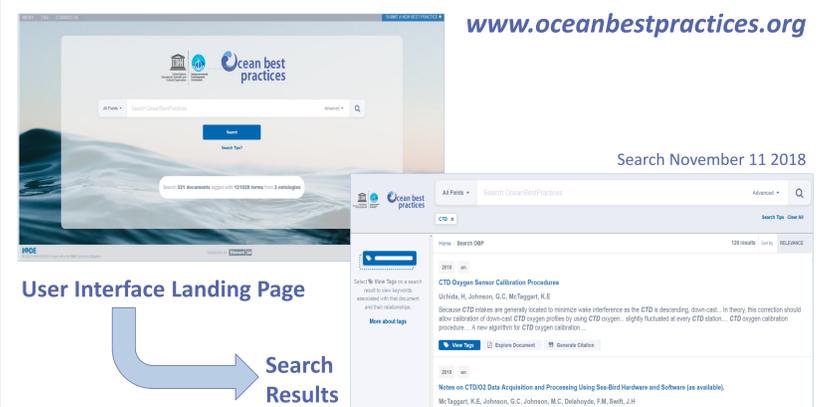
### OBPS USER BENEFITS

- Consolidated access to best practices hosted in a reliable, living and sustained system
- Easily discoverable and comparable content powered by semantic search and advanced indexing technology
- Notification services to keep track of updates
- Peer review and community forums
- Training for best practices and help desk for repository

## OBPS ELEMENTS WORKING TOGETHER



## OBPS USER INTERFACE



## ACKNOWLEDGEMENT

This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 633211 (AtlantOS) and No: 654310 (ODIP). Funding was also received from the NSF Ocean Research Coordination Network under NSF grant 1143683.

## REFERENCE

Pearlman, Jay; Buttigieg, Pier Luigi; Simpson, Pauline; Muñoz, Cristian; Heslop, Emma and Hermes, Juliet (2017) Accessing Existing and Emerging Best Practices for Ocean Observation, a new approach for end-to-end management of best practices. In, Oceans 2017, Anchorage, 19-22 June 2017. MTS/IEEE Oceanic Engineering, pp. 1-7.

