OceanBestPractices: Repository of Ocean Community Practices in Ocean Research, Observation and Data/Information Management

Update 2018

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GEMIM in Transition
Project Office of IODE of IOC-UNESCO
Oostende, Belgium
19-21 February 2018
Data/Information Management to Ocean Best Practices Repository

- **2014** - ODP created as deliverable of the IODE Ocean Data Standards and Best Practices Project (main partners - IODE/JCOMM/WMO/ICES)
  - Replaced *JCOMM Catalogue of Best Practices* (not a database and records not validated) – 163 records migrated to ODP as initial content now targeting to achieve 500 BP documents deposited by Mar 2019.

- **2016** - ODIP and AtlantOS Projects WG on Best Practices looking to setup a permanent archive of ocean best practices to serve the ocean observing community – PP offered ODP. IODE became a partner in the BPWorking Group

- **2017** – Agreement by main partners to change the name to OceanBestPractices to reflect the broader remit

- **2017** – OceanBestPractices Repository became an IODE Project

- **2018 (Jan)** – report to IODE MG for funding and steering group proposals
## AtlantOS/ODIP Best Practices Working Group

<table>
<thead>
<tr>
<th>Name</th>
<th>Representing</th>
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<tbody>
<tr>
<td>Mark Bushnell</td>
<td>IOOS</td>
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<td>Pier Luigi Buttigieg</td>
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<td>Juliet Hermes</td>
<td>SAEON/JCOMM</td>
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<td>Emma Heslop</td>
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<td>Pauline Simpson</td>
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OBP is the hub of the Ocean Best Practices System
A FUTURE-FACING SYSTEM FOR FINDING, SHARING & USING OCEAN BEST PRACTICES

Guided by a broad community of ocean observers, the core of this evolving Ocean Best Practice System consists of:

- A sustained, open access, and internationally recognized repository of best practices, standard operating procedures, manuals and similar documentation, with a simple document deposition process and an intuitive user interface:
  https://www.oceanbestpractices.net

- Advanced indexing and search technology that features DOI-based document identification, natural language processing, and semantic awareness.

- A Research Topic “Best Practices in Ocean Observing” in Frontiers in Marine Science where authors can describe their best practices and benefit from peer review, academic crediting, and high community visibility:
  journal.frontiersin.org/researchtopic/7173
Activities to Mar 2018 (end of phase 1) – project ends Mar 2019

- **BP Document Templates** created for Sensors, Ocean applications, Data and Info Management

- **BP Workshop Paris Nov 2017** – recommendations from the ocean observing community

- **Frontiers in Marine Science: Research Topic – Best Practices** – New Journal

- **An enhanced OceanBestPractices Repository**
  - New metadata fields eg. Essential Ocean Variables, Sustainable Development Goals, Maturity Level etc to support observing community and societal indicators and new implementation of DOIs.

- **OBP Portal (demonstrator)**
  - Semantically enhanced search and browse capabilities resulting from Semantic tagging of BP documents. Utilizing the DSpace repository content – OBP (DSpace repository) remains intact

- **Communication and Outreach**: flyer; newsletter (BP Update); community listserv; Conference presentations and journal articles

Capacity Building – OTGA link?
A Sustainable Future for Ocean Best Practices

Ocean best practices

BEST PRACTICES IN OCEAN OBSERVING: SCATTERED TREASURES

High-quality procedures for observing the ocean represent years of methodological development by universities, private enterprises, and public research institutions. Unfortunately, many documents describing these “best practices” are scattered online, buried in institutional archives, or simply lost.

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BENEFITS

- Consolidated access to best practices hosted in a reliable, living, and sustained system
- Easily discoverable and comparable content, powered by ocean-focused search and indexing technology
- Notification services to keep track of updates
- Peer review and community forums provide insight and commentary

OBP CREATOR BENEFITS:

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

YOUR PARTICIPATION

The OBP repository and Frontiers Research Topic are now welcoming submissions and we encourage the ocean observing community to participate towards building a unified, sustained, and readily accessible knowledge base of interdisciplinary ocean best practices.

CONTACT

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Notes

Oostende 2018