

The background features a collage of images related to oceanography and satellite technology. At the top, several satellites are shown in orbit, with beams of light directed towards the Earth's surface. Below, there are images of various ships, including a yellow offshore platform, a research vessel, and a large container ship. On the right, a coastal area is shown with a large satellite dish antenna and a cityscape. In the bottom left, there are images of marine life, including a yellow autonomous underwater vehicle (AUV) and various sea creatures like fish, squid, and crabs. The overall theme is the integration of satellite and oceanographic data for scientific research and management.

OBPS Technical Developments Proposed

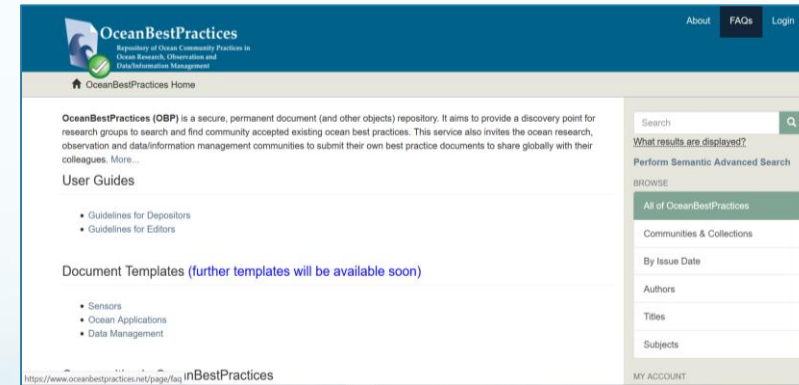
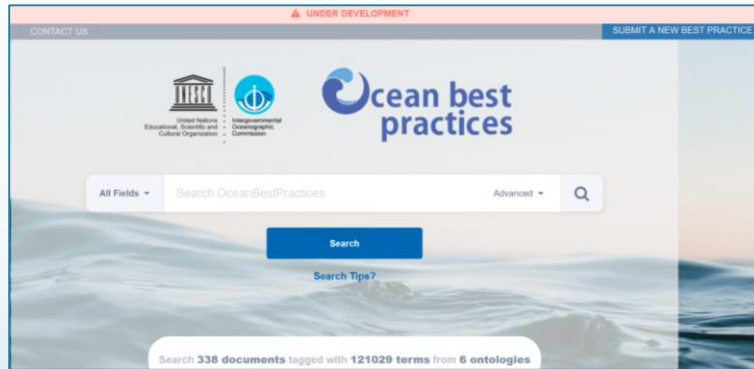
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CCMI for IODE - AWI

Best Practices Workshop Paris
4-6 Dec 2018

Mark Bushnell, Pier Luigi-Buttigieg, Cindy Chandler, Juliet Hermes, Emma Heslop, Johannes Karstensen, Frank Muller-Karger, Cristian Muñoz, Françoise Pearlman, Jay Pearlman, Peter Pissierssens, Nick Roden, Pauline Simpson
OCEAN BEST PRACTICES WORKING GROUP



- In preparation for sessions later today and tomorrow
- Some developments already being proposed
- Developments to both Semantic User Interface and Repository



- Developments that would require additional funding

- **KNOWLEDGE AND TECHNOLOGY TRANSFER (TRAINING)** – SCOPE HOW OBPS CAN SUPPORT
- **EDITOR ON THE UI FOR CREATION OF A DRAFT BEST PRACTICE** – A LA WIKIPEDIA -
GENERATE STRUCTURED DOCUMENTS THAT ARE MORE EASILY PARSED
- **AUTOMATED INGEST OF BEST PRACTICE** - DDS AND TEMPLATE - MACHINE READABILITY
- **REVIEW REQUIRED ALERT EMAIL** – AUTOMATED
- **EOV / SDG / SPATIAL COVERAGE** – WEB SERVICE OFFER A DIRECT SELECT AND POPULATE
- **MATURITY LEVEL/TECHNOLOGY READINESS** – NEW/DIFFERENT SCALE
- **GOOS ENDORSEMENT PROCESS** – BUILD THE ENDORSEMENT FUNCTIONALITY FOR EOVs (later
SDGs) - ADDITIONAL METADATA FIELDS

Essential Ocean Variables (EOVs) **

Select names (e.g. Sea ice) from [this link](#). Separate multiple entries with a semicolon (;).

Supporting Variables

Please, indicate here any variable observed or known from instrumentation or metadata and used to calculate the EOVs mentioned.

Select the supporting variables from this link [need to create a link to a list online].

e.g.: Calcium concentration. Separate multiple entries with a semicolon (;).

Sensors

Please, indicate here the type of sensors that are mentioned in the best practice, if applicable. e.g.: Thermometer. Separate multiple entries with a semicolon (;).

NB. BODC Sensor Vocabulary used for semantic tagging

Network

Please indicate here the relevant network(s) for the best practice if applicable (e.g.: Moored buoys – DBCP). Choose the network from this [link](#). If the practice targets more than one network, indicate them all. Separate multiple entries with a semicolon (;).

Component of the observation lifecycle

Please indicate here which part(s) of the observation life cycle the best practice is about. e.g.: deployment and sampling ; secondary quality control. Separate multiple entries with a semicolon (;).

GOOS Endorsed best practice

Please, indicate if the practice is endorsed by GOOS (Yes/No) and if yes specify who endorsed it (e.g. IOCCP).

- **COMMUNITY REVIEW** – VOTING AND COMMENTING CAPABILITIES - ODS/SEADATANET AND SCOR WG/GO-SHIP MANUAL NUTRIENTS CHAPTER
- **VERSION CONTROL** – SYSTEM GENERATED – ABILITY TO SUM STATS ACROSS VERSIONS
- **EXPORT RECORDS FROM UI IN DIFFERENT FORMATS** – BIBTEX, ENDNOTE, MENDELEY etc
- **ENHANCED METRICS** - UI INDIVIDUAL RECORD DOWNLOAD METRIC DISPLAYED
- **LINKED DATA**
- **IMPORT MORE TERMINOLOGIES AND PERMIT SUBSELECTION IN SEARCH**
- **WEB CRAWLING** – EVALUATE THE RESULTS OF THE TESTING PHASE RE RELEVANCE AND CURATION
- **SCHEMA.ORG COMPLIANCE** - GOOGLE DATASEARCH – CURRENT EFFORTS PROPOSING EARTH SCIENCE EXTENSIONS TO SCHEMA.ORG

What additional functionality?

2018 WORKSHOP RECOMMENDATIONS: