



EMODnet

European Marine
Observation and
Data Network

EMODnet Jamboree
16-18 June 2021

Online event

EMODnet dialogue: Ocean Best Practices
Improving data access and interoperability



Overview: The IOC Ocean Best Practices System (OBPS)



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Co-chair OBPS
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What are the impacts and benefits of Best Practices?

Best practices are the basis for seamless connections in functional chains and thus a guarantor for interoperability



Upper Photo courtesy of Sophie Seeyave, POGO

- ✓ Quality and consistency of observations
- ✓ Efficiency (don't re-invent the wheel)
- ✓ Transparency - Data traceability and reproducibility
- ✓ Seamless linkages between data, models and applications
- ✓ Resource for training and capacity development

What are Best Practices?

Best practices are created by the community for the community

Part 1: A **best practice** is a methodology that has repeatedly produced superior results relative to other methodologies with the same objective

Part 2: To be **fully elevated to a best practice**, a promising method will have been reviewed, adopted and employed by multiple organizations





Ocean Best Practices System

Our Vision

To have agreed and broadly adopted methods across ocean research, operations and applications.

OceanBestPractices.org



What is the OBPS?

The OBPS is a global, sustained system comprising technological solutions and community approaches to enhance management of methods as well as support the development of ocean best practices.



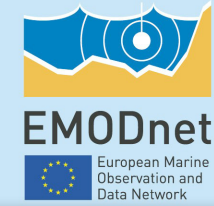
Search for a Best Practice

1295

Best Practices in the
Repository

Submit a Best
Practice

The Ocean Best Practices System



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Peer reviewed journal

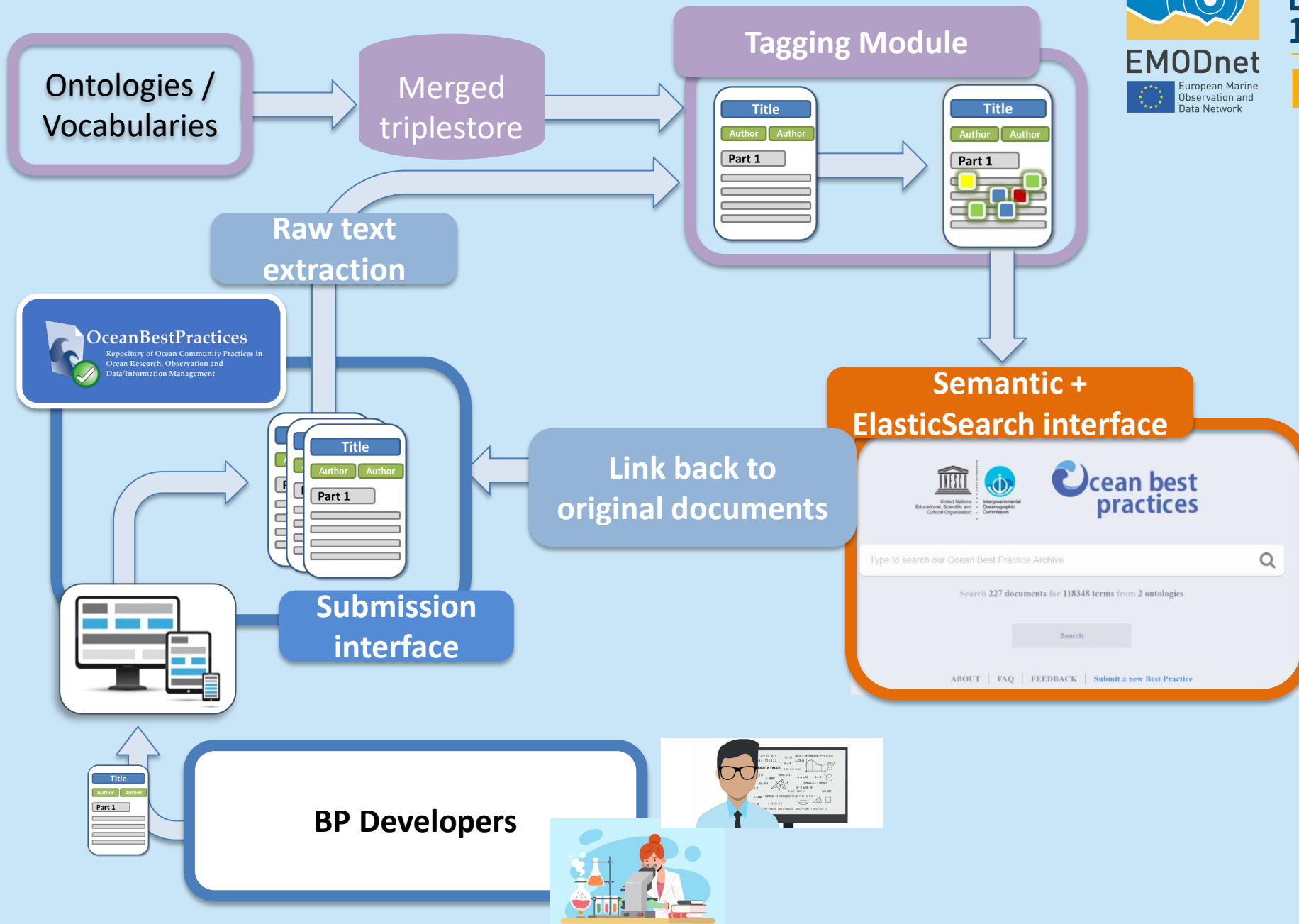
Long-term repository

Natural Language Processing & Semantic Search and Discovery tech

Support & training

Users





My Best Practice 2.0

Author

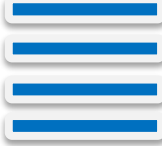
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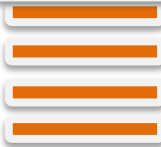
Sensors



Reagents



Software



Environments



Procedure



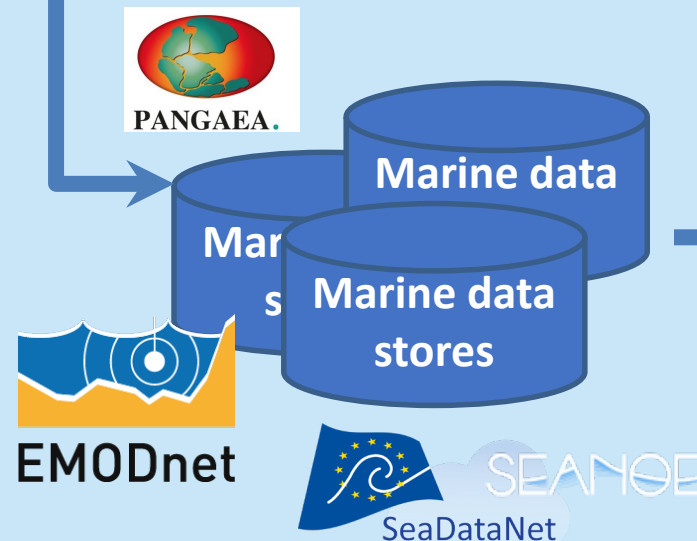
Advantages & Limitations



Warnings



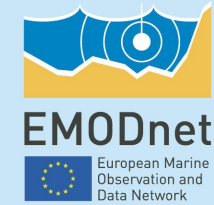
Opening up BPs to informatics and linking them to data and information holdings



Examples:

- Retrieve the common **sensors** across the protocols “McMussel mussel bed survey” and “OysterTech oyster reef survey”
- Retrieve all BPs that use the **software** “ArcGIS”
- Retrieve the **advantages and limitations** of the protocol titled “Sampling seawater for marine microbes”
- Retrieve the protocols and the list of **reagents** for documents authored by **E Hemmingway**

Feedback BP-use etc. to OBPS for community advice and strategies



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Evolving and Sustaining Ocean Best Practices IV, OBPS Workshop 2020

Date/Time

18/09/2020 - 30/09/2020

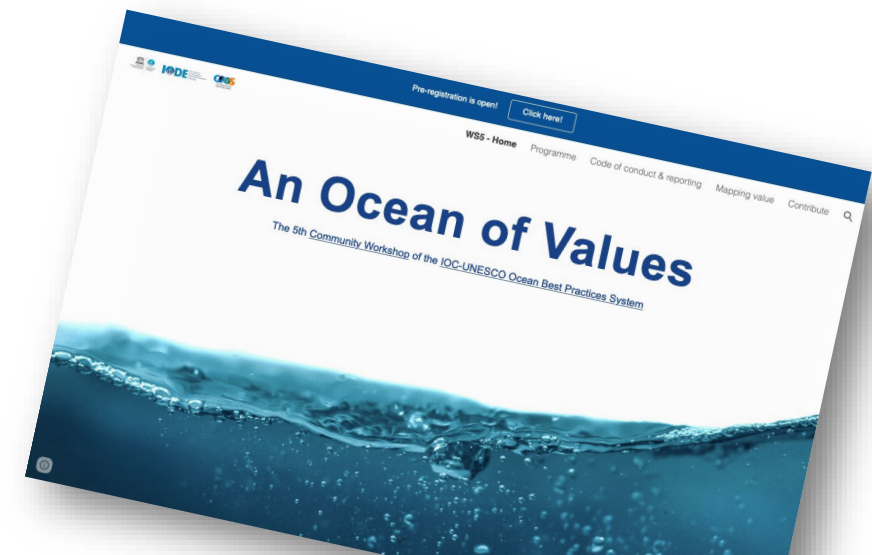
Map Unavailable

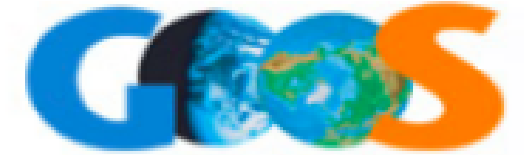
At the IOC Ocean Best Practices System (OBPS) Workshop IV, ocean practitioners will collaboratively address best practices as well as recommendations for the OBPS to meet community needs for advanced method development in ocean observations and applications. The outcomes will guide the next implementation phase of the OBPS.

Register here

<https://workshop5.oceanbestpractices.org>

Please also propose an activity for the workshop (e.g. session, “track”)



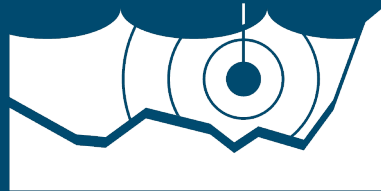


Steering Group - OBPS

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 Mark Bushnell
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 Juliet Hermes
 Emma Heslop
 Cora Horstmann
 Kirsten Isensee
 Johannes Karstensen
 Arno Lambert
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