

# Eurosea

# EuroSea achievements regarding Ocean Best Practice in support for the Ocean Information Value-Chain (OIVC)

Presented by

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EuroSea/OceanPredict Workshop#2



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# **Best Practices in EuroSea - overview**

- Best Practices mentioned 65 times in EuroSea proposal
- Most explicit in Project
  - WP1: improve discovery and access to Best Practices
  - WP3: improve Best Practice documentation observational networks
  - WP8: legacy ... deliver Best Practice knowledge & technology transfer
- In "Expected Impact":

EuroSea will transfer knowledge to different target groups from scientists to stakeholders in Europe and beyond. One important component implemented by **WP1,3,6,8** is the development and articulation of ocean observing **Best Practices** (BPs) freely available on open access repositories (D1.3, 3.11, 6.3, 8.10). BP documentation is an essential

 Support to and leverage from IOC-Ocean Best Practices System (IOC-OBPS) project

www.oceanbestpractices.org



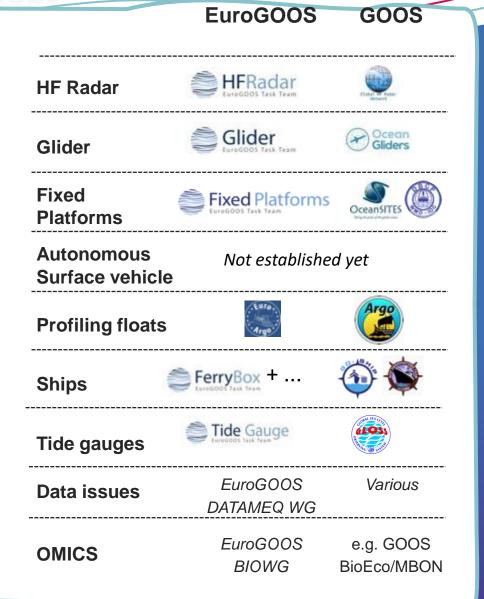
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#### Example WP3: Network Integration & Improvement

#### **Objective:**

Improve integration of nations observations for "optimal" use in European (EuroGOOS) and contributing to global (GOOS) initiatives

- Structure along coordination groups:
  - Observational networks (7)
  - Data flow and integration
  - Augmented/OMICS observations
  - European Vision of Ocean observing Integration



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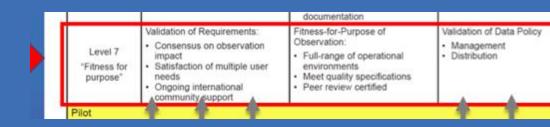
#### EuroSea Assessment: Networks major targets





# Example: Best Practice for one "building block"

What is a mature observational network?



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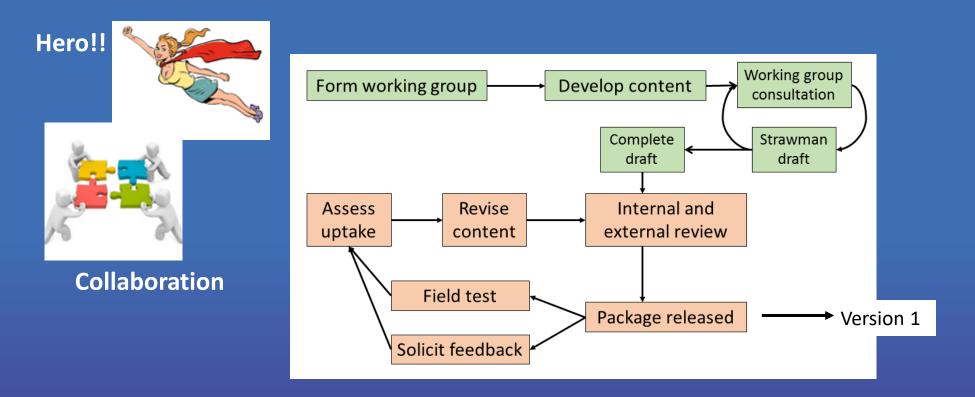
(FOO; Lindstroem et al. 2012)

- Coordinates a defined community
- Open to all operators/interest groups
- Long term (>10 years) sustained coordination-needs identified
- Best Practices strategy
- Internal coordination guided by expertise/supported technical coordinator
- FAIR data policy
- Specification and governance structure documented (ToR)

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## **Creation & update Best Practices**

#### • The "Convergence Process"



• *EuroSea prime example:* Convergence of Underwater glider SOPs

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### **Best Practices Gap Analysis & Barriers for Adaptation**

#### • Gap analysis

- Identification of gaps:
  - -> must be done by Community /experts
- Filling the gaps -> EuroSea years: Incentives and money to take action (formation of expert groups, convergence, ...)
- Future:

it remains to be seen! Coordination groups exist (EuroGOOS, EOOS?, OCG) but without adequate funding for the tasks needed

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#### Barrier for Adaptation

• Major issue:

Exclude/no consider experts in "Best Practices convergence process", practitioners are not aware of practices

• Consequence:

Best Practices are not used! No trust in the practices ("my way in doing it is superior to what has been written")

• Other factors:

Technical & Capacity limitations Exclusive branding creates barriers

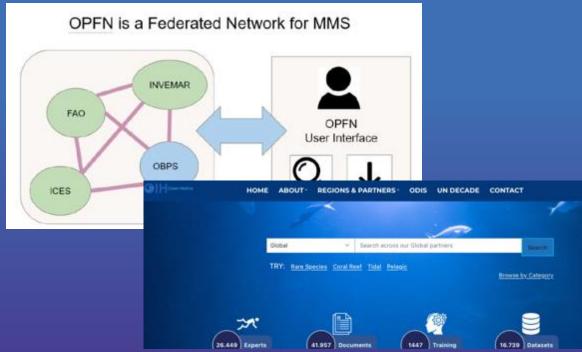
#### Overcoming silos in Best Practice access & dissemination

 Various ocean related coordination groups manage "own" Best Practices systems (e.g. FAO, ICES, WMO, GOOS)
-> Methodological management Systems (MMS)

- Copy documents between MMS -> not a good solution! (update, storage,..)
- Solution:

Federate network Ocean Practices for the Decade Federated Network (OPFN)

see OceanInfoHub.org for the Implementation



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# **Best Practices in EuroSea summary #1**

- EuroSea demonstrated what can be achieved if funding exist for what "normally" is volunteers work only...
- Various EuroSea demonstration & communication activities nicely exemplifies that:
  - only data with Best Practices attached becomes truly interoperable and considered for any application in the Ocean Information Value-Chain (OIVC)
  - Best Practices are the optimal way to share knowledge needed to efficiently execute all steps in the OIVC

# **Best Practices in EuroSea summary**

 Creation and care of Best Practices is one of the few key activity of regional, European, & global coordination groups

- What is a "comprehensive Best Practice"?
  - Best practices should make it possible to choose an approach to an activity (measurement, product creation) that produces the best result **under the given conditions**
  - Best Practices are created by experts but: our conception of the term "expert" needs to be transformed to include the entire spectrum from high tech to low cost technologies experts
  - Making use of Standards (incl. Reference material) if possible





# Thank you

#### For more information

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#### **Project coordination**

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