

4TH GEO

BLUE PLANET SYMPOSIUM

4-6 July 2018 – Toulouse, France



European
Ocean
Observing
System

Towards a European Ocean Observing System (EEOOS)

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What is EOOS?

An inclusive community framework for enhancing coordination and connection of Europe's ocean observing capability:

- From physics to biogeochemistry and biology;
- From automated monitoring to citizen science;
- Driven by stakeholders, for stakeholders/users;
- Building and aligning with existing efforts;
- European capability across the global Ocean.

Why EOOS?

International and European Policy Drivers

Integrated Maritime Policy

**EurOCEAN Declarations
2010, 2014**

Bioeconomy

Blue Growth

**Marine Strategy
Framework Directive**

Common Fisheries Policy

Global climate targets

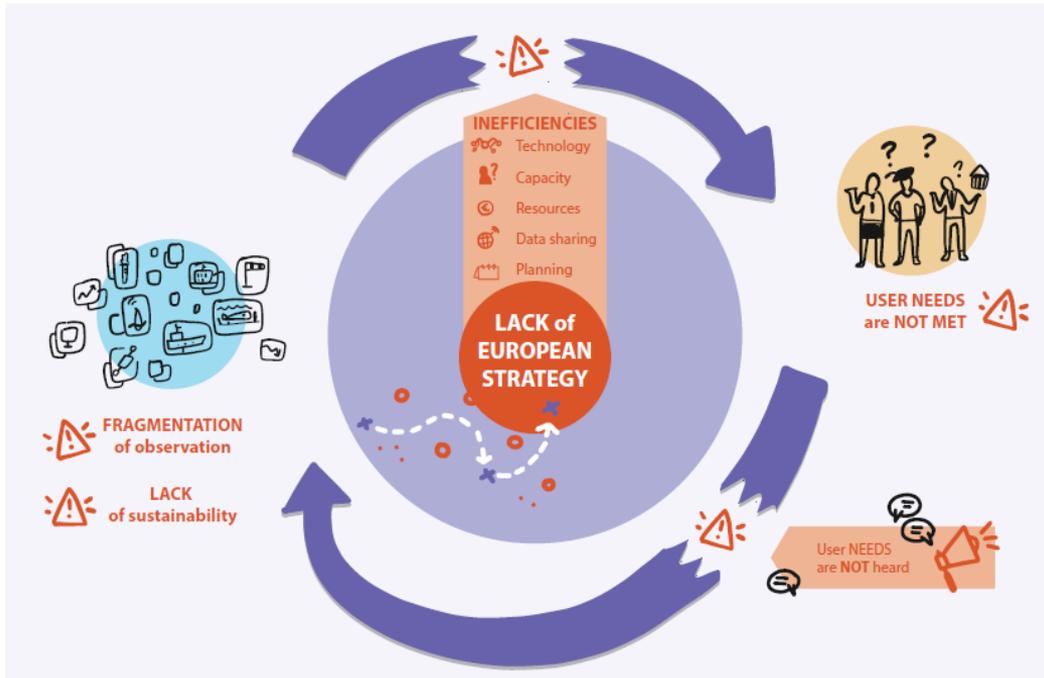
World Ocean Assessment

G7

Convention on Biological Diversity

UN Ocean Decade

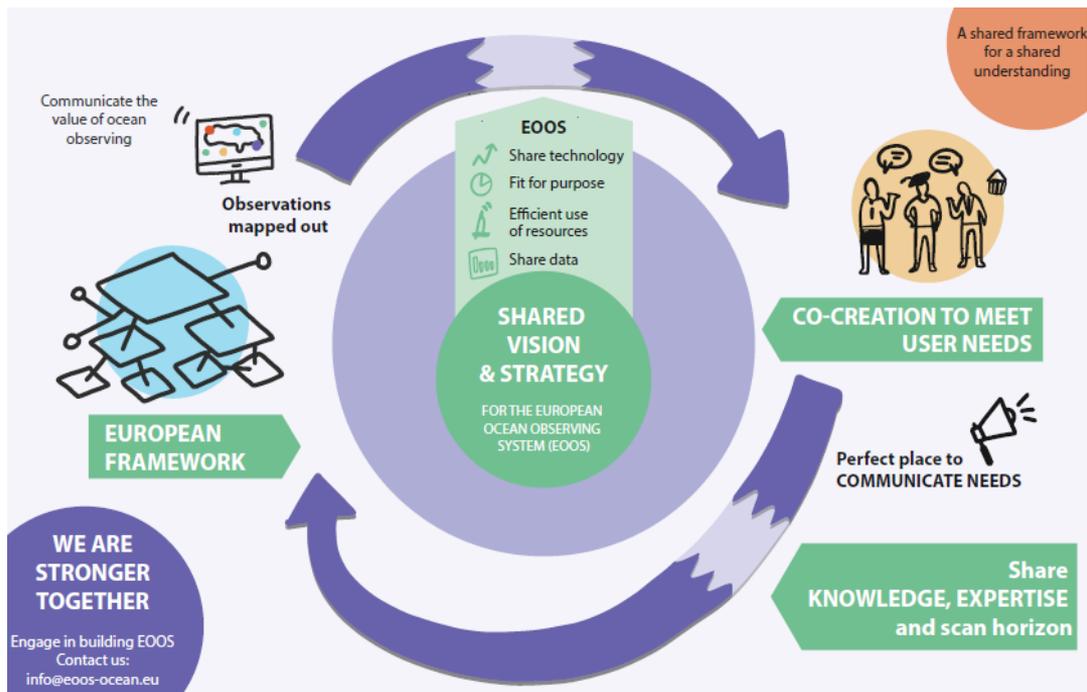
Why EOOS?



What does Europe need to untap further potential in ocean observing?

- Better Coordinated and Sustained *in situ* Ocean Observing across all actors and implementers;
- Ocean Variables Relevant to Society;
- Integrated Ecosystem Approach.

E00S added value: sustainable ocean observing



Focus on *in situ* observations, linked to satellite observations and modelling capabilities.

- Align, integrate existing efforts
- Connect across sectors to identify synergies, collaborations
- Promote systematic and collaborative approach (towards a regular process)

By 2030, E00S will build a coordinated and connected European ocean observation community that puts user needs at its centre, promoting European leadership, driven by stakeholders, and serving the needs of science, society, and innovation.

How? Connecting communities



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How?

Aligning coordination initiatives



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EOOS time-line to 2016

2007

2010

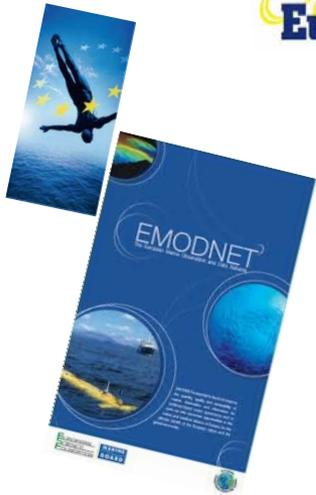
2012

2013

2014

2015

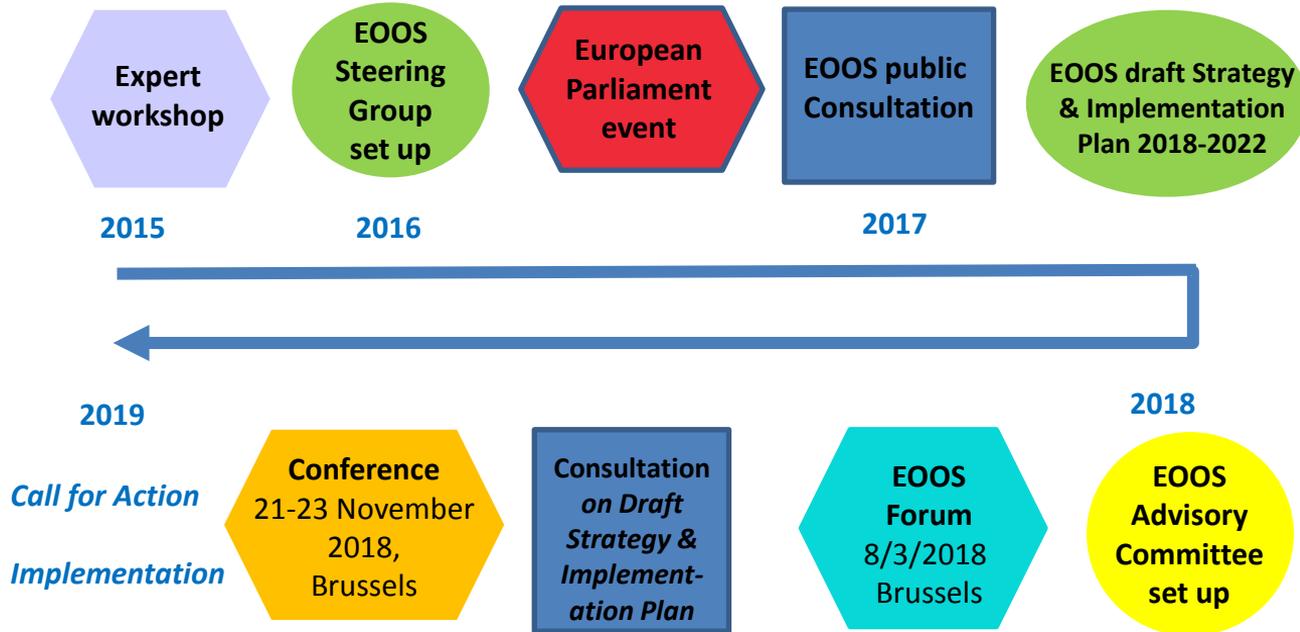
2016



www.eoos-ocean.eu



EOOS stakeholder engagement 2015 - 2018



From Strategy to Implementation



Community co-design Strategy and Implementation Plan 2018-2022 :

- Forum
- Public Consultation
- Conference

Upcoming EOOs stakeholder event

21 - 23
November 2018

REGISTER NOW!
www.eoosconference2018.eu/registration

Brussels, Belgium

EOOS

European
Ocean
Observing
System

CONFERENCE

Evolving the European Ocean Observing System (EOOS)
Connecting communities for end-to-end solutions

www.eoos-ocean.eu

***Call for Posters and Exhibits
until 13 August 2018***

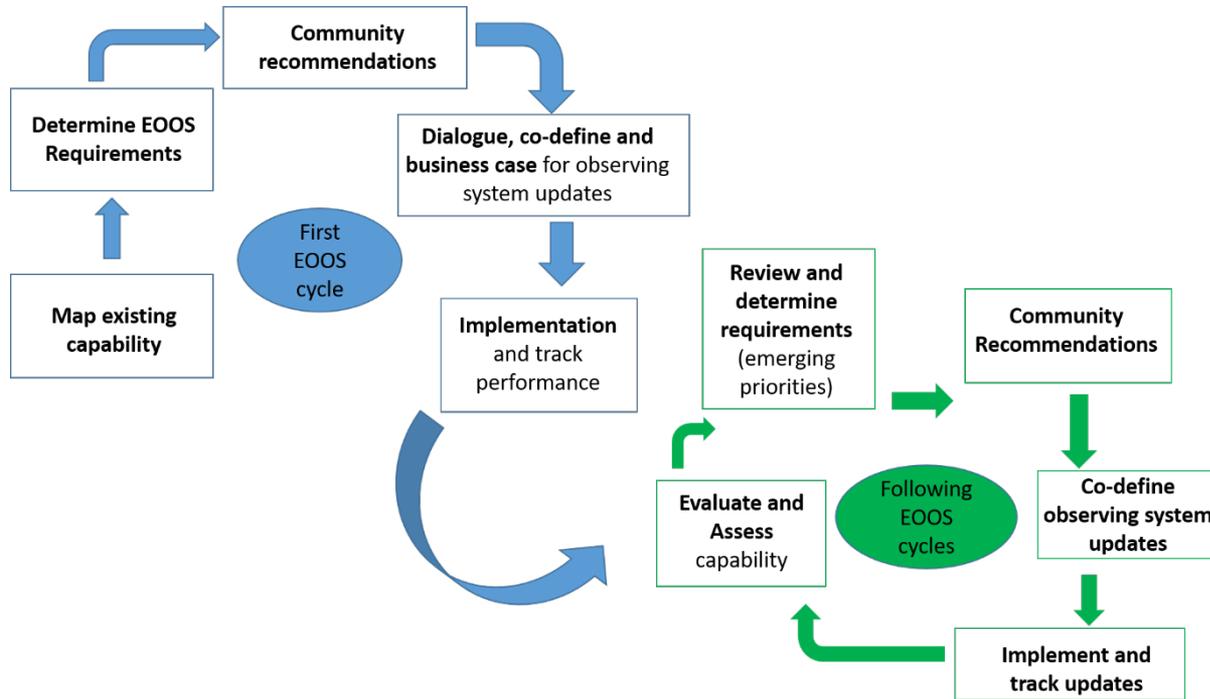
This event is co-organised by the Secretariats of



With the financial support of:



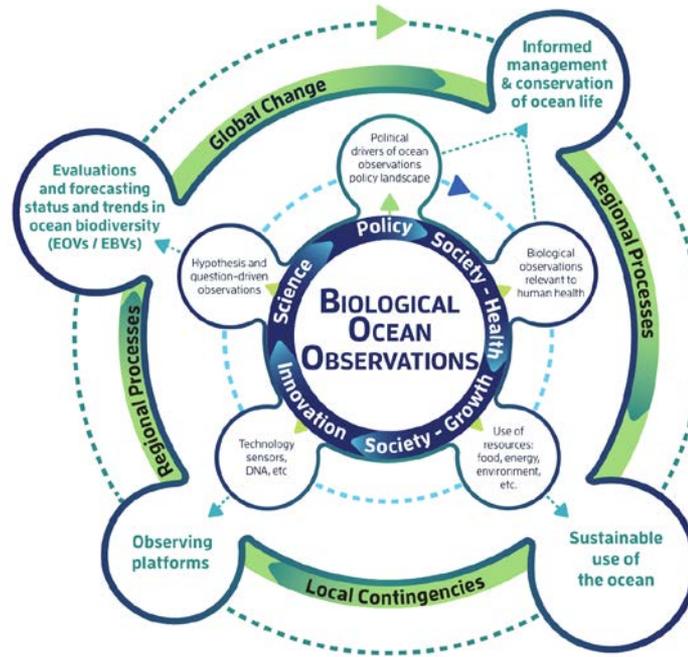
Towards a regular EOOS cycle



Foresight: biological ocean observations

European Marine Board (EMB) Working Group

Science and Technology
Foresight report
Contribution to EOOS
implementation
(EOOS pilot project 2.1)



Co-authors:

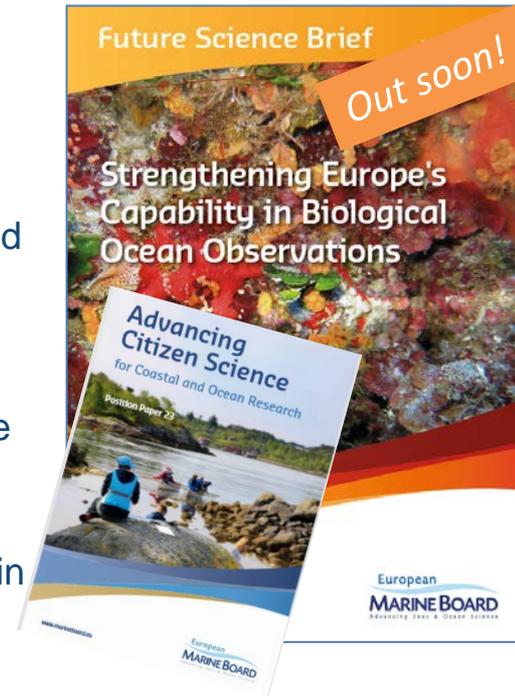
Benedetti-Cecchi L, Crowe T, Boehme L, Boero F, Christensen A, Grémare A, Hernandez F, Kromkamp JC, Nogueira García E, Petihakis G, Robidart J, Sousa Pinto I & Zingone A.

Figure Credit:
Stefi Klein Miloslavich

Foresight: biological ocean observations

Key messages and Recommendations (not exhaustive list):

- Take stock of existing and emerging marine biodiversity and ecosystems research and related biological ocean observation infrastructure;
- International context: Essential Ocean Variables (EOVs) and Essential Biodiversity Variables (EBVs), support collaboration between GEO BON and GOOS frameworks, and consider additional variables where necessary;
- Engage communities including Citizen Science to increase public confidence in science, harness human resource to fill data gaps, promote value and benefits of ocean observation and emotional connectivity with the marine environment;
- Enhance biological ocean observing capacity towards an integrated ecosystem approach, enabling sustainable management of human activity in the marine environment, and contributing to the Sustainable Development Goals (SDGs).



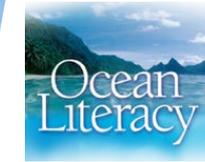
Operational Oceanography for Sustainable Blue Growth



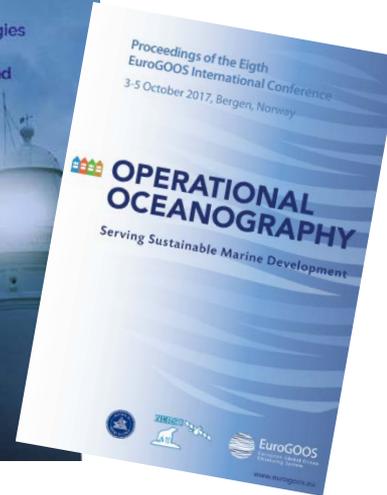
2016



2017



2018



European Strategy for Atlantic Ocean Observing



www.atlantos-h2020.eu/
www.atlanticblueprint.net/

The AtlantOS H2020 project is producing a European Strategy for Atlantic Ocean Observing:

- European contribution to Atlantic Ocean Observing Blue Print (AtlantOS legacy);
- Atlantic Basin Strategy contribution to EOOS;
- Strong links with EOOS through AtlantOS Executive Board, Steering Group and Consortium partnership.

This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 633211

Communication, dialogue and stakeholder interaction: Where next?



July 2018



May 2018



November 2018



October 2018



September 2019



Spring 2019

