

# IMPACT REPORT

Strengthening Europe's Capability in  
Biological Ocean Observation  
*EMB Future Science Brief 3, July 2018*



The EMB working group on Biological Ocean Observations consisted of 12 members, chaired by Lisandro Benedetti-Cecchi (Univ. Pisa, Italy) and co-chaired by Tasman Crowe (UCD, Ireland). The working group started in 2017 and the Future Science Brief they produced was launched at the 53rd European Marine Biology Symposium (EMBS) on 17-21 September 2018 in Ostend, Belgium. Since then, the document has not only been read and acknowledged by people based in Europe, but also around the globe, demonstrating the global relevance of the topic.

The Future Science Brief was well received as the European vision on the future of biological ocean observation, aligned with the priorities from international initiatives such as the collaboration agreement between GOOS BioEco Panel and GEO MBON. The marine biology community has also highlighted the Future Science Brief as a good introduction to biological ocean observation, setting the scene for policy needs and determining key strategic drivers for ocean observation. It has been cited in the introductory chapters of several scientific papers, and used for university teaching.

The main impact of this publication was the galvanizing effect on the European and international biological ocean observation communities behind the vision to start integrating these observations into the ocean observing system. This document helps to build the case to integrate biological observations as part of projects such as the H2020 EuroSea project and the development of a Digital Twin Ocean. The EOOS framework also contributes to this change based on the recommendations of the Future Science Brief.

"This report will be very helpful to us, considering that the Partnership for Observation of the Global Ocean (POGO) has a working group on this topic."

Dr Margaret Leinen, Scripps  
Institution of Oceanography

"All marine biologists should be downloading and reading this. And then passing on to our students and using it in our courses. Much valuable info contained within it for all marine science."

Prof David N. Thomas, Bangor  
University

"Very happy to see that the importance of long term datasets to monitor the health of the marine environment is highlighted and that the issue related to the ongoing loss of taxonomic expertise needs to be addressed. "

Dr Caroline Cusack, Marine  
Insitute

# DISSEMINATION IN NUMBERS

*These statistics are for EMB Future Science Brief 3.*

*Data were collected for a period of 2 years from launch (July 2018 to July 2020)*

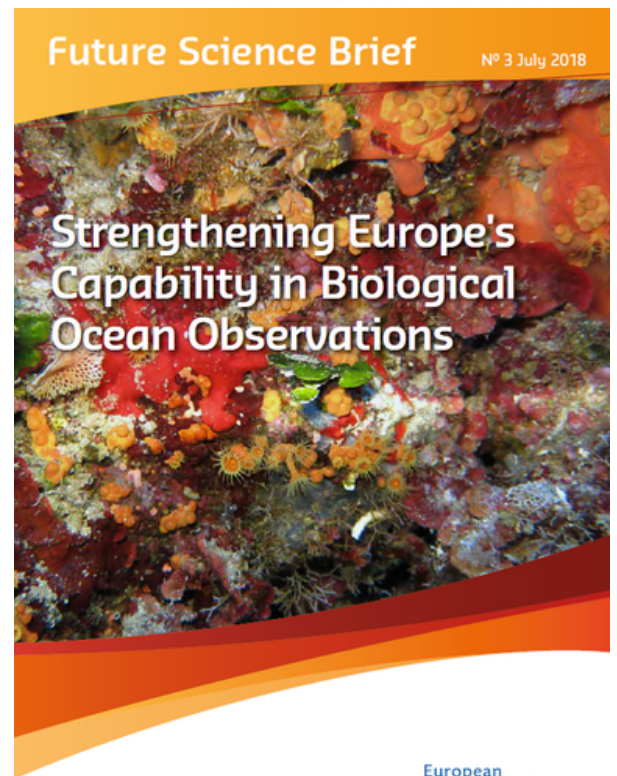
**18 TWEETS**  
From the EMB Twitter account and other accounts

**14 NEWS ARTICLES**  
By EMB and others highlighting the Future Science Brief

**14 CITATIONS**  
In peer-reviewed journal papers and other publications

**824 READS**  
On ResearchGate

**13 EVENTS**  
With presentations focusing on the Future Science Brief



**183 DOWNLOADS**  
From the EMB website

**620 HARD COPIES**  
Of the Future Science Brief have been disseminated

**353 PAGE VISITS**  
To the various relevant pages on the EMB website



<https://www.marineboard.eu/publication/strengthening-europes-capability-biological-ocean-observations>

<https://www.marineboard.eu/biological-ocean-observation>