

IMPACT REPORT

Enhancing Europe's Capability in Marine Ecosystem Modelling for Societal Benefit
EMB Future Science Brief 4, October 2018



The EMB work on Marine Ecosystem Modeling was conducted by a working group of 4 members from 2017 to 2018. The working group was chaired by Morten Skogen (IMR, Norway) and co-chaired by Sheila Heymans (SAMS, UK).

This activity on end-to-end marine ecosystem modelling kicked off with a horizon scanning workshop 'Shaping Future Research Agendas' back-to-back with the AMEMR 2017 conference in Plymouth, UK. The Future Science Brief was presented at a number of events including the ICES WKEWIEA workshop on using Ecopath with Ecosim for Integrated Ecosystem Assessments, a SCARFISH meeting, and EC events at the Joint Research Centre in Ispra and in Brussels on modelling for policy.

The main impacts of this publication is that the co-chair was asked to co-author a book chapter and co-edit a Special Topic in *Frontiers in Marine Science*, based on the publication. The book chapter was co-authored with authors from the USA (Fulford, R.S., J.J. Heymans, and W. Wu. "Mathematical Modeling for Ecosystem-Based Management (EBM) and Ecosystem Goods and Services (EGS) Assessment." In *Ecosystem-Based Management, Ecosystem Services and Aquatic Biodiversity: Theory, Tools and Applications*, edited by T. O'Higgins, M. Lago and T.H. DeWitt, 275-90: Springer, 2020.) and the Special Topic currently (20/10/2020) has 13 manuscripts submitted from 21 accepted abstracts. Final submission date for manuscripts is end of November 2020.

An EMB science webinar on the topic on 20 August 2020 had more than 60 participants, and the recording currently (20/10/2020) has over 160 views on YouTube.

We always recognize the effort that the EMB is doing to bring forward future research and capacity building priorities and we make good use of the future science briefs such as the one on marine ecosystem modelling.
Nikos Zampoukas, DG RTD

When reviewing the document I found it to be well-crafted & well-integrated. It usefully covers a range of disciplines, is globally applicable, and strikes an excellent balance between the general, main themes and with sufficient detail to guide ecosystem models and modellers.
Jason Link, NOAA

We found this report quite useful, and an important complement and support of the research we do, particularly for our Blue2 initiative.
Chiara Piroddi, JRC

DISSEMINATION IN NUMBERS

These statistics are for EMB Future Science Brief 4.

Data collected for a period of 2 years from launch (October 2018 to October 2020)

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