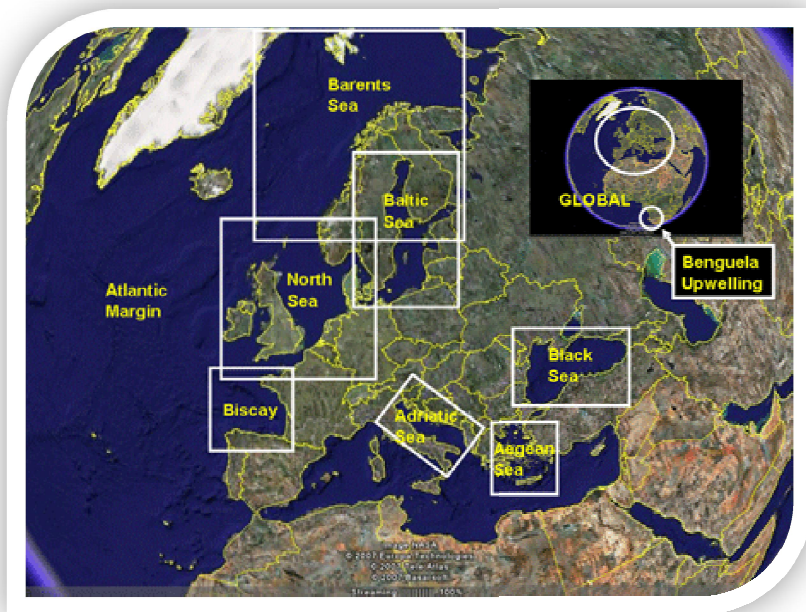


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MEECE is a European FP7 Integrated Project which aims to increase ecosystem modelling predictive capacities. Both natural and human-induced climate pressures have an impact on the structure and function of marine ecosystems. Using a combination of data synthesis, numerical simulation and targeted experiments MEECE intends to boost our knowledge and develop the predictive capabilities needed to learn about the response of marine ecosystems.

The project follows a logical process starting with targeted data synthesis, experimentation, ecosystem model development, followed by model

exploration through a range of scenarios addressing the full set of drivers which feed into a suite of decision making tools.

A major focus of the MEECE project is the assessment of model accuracy to enable us to confidently use our simulations for science and policy applications. The project will develop methods to integrate the dynamic response of marine ecosystems to the combined effects of various anthropogenic and natural drivers in order to provide decision making tools to support the [EC Marine Strategy](#), EC Maritime Policy and the [EC Common Fisheries Policy](#).

Objectives

- Review the impacts of the drivers on the marine ecosystem.
- Scenario test the impacts of drivers on the structure and functioning of marine ecosystems.
- Develop indicators of ecosystem status.
- Develop a coupled model system to predict ecosystem response from plankton to fish.
- Create a model library of ecosystem modules couplers and decision support tools for management concerning the EC Marine Strategy, EC Maritime Policy and the EC Common Fisheries.

Partners

The MEECE community is made up of 22 Partners from across Europe and also includes one African partner.

URL: <http://www.meece.eu/>