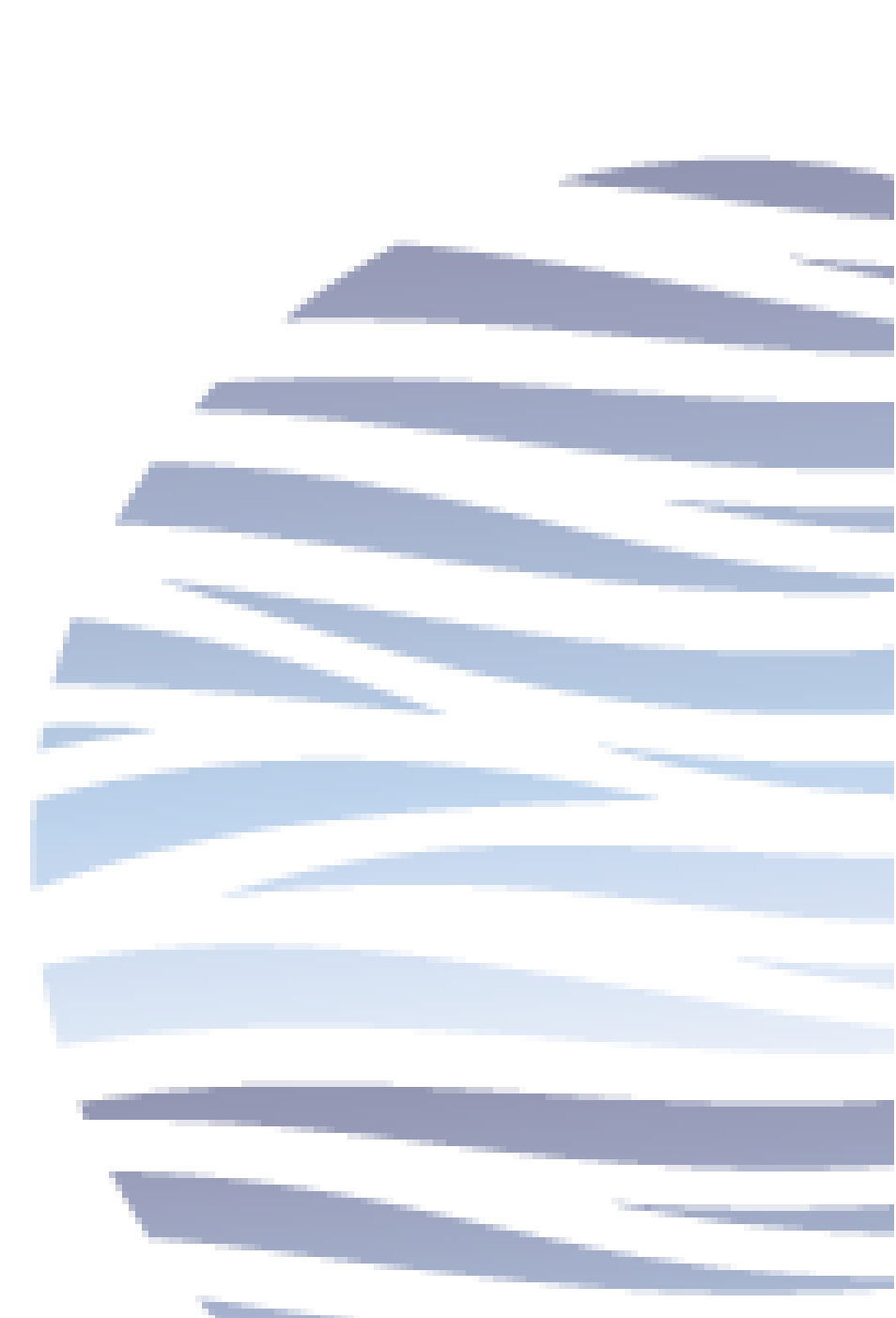




EuroGOOS
European Global Ocean
Observing System



European Global Ocean Observing System (EuroGOOS) Coastal Working Group: Aim, activities and early achievements

Vision

- The major interface between humans and the ocean occurs in the coastal seas: Major marine industries thrive in this area while European citizens make daily use of the coastal ocean for tourism, leisure and recreation.
- Coastal Working group vision is to make Operational Oceanography value chain to be a fundamental tool to assist human activities in the coastal ocean.

Mission

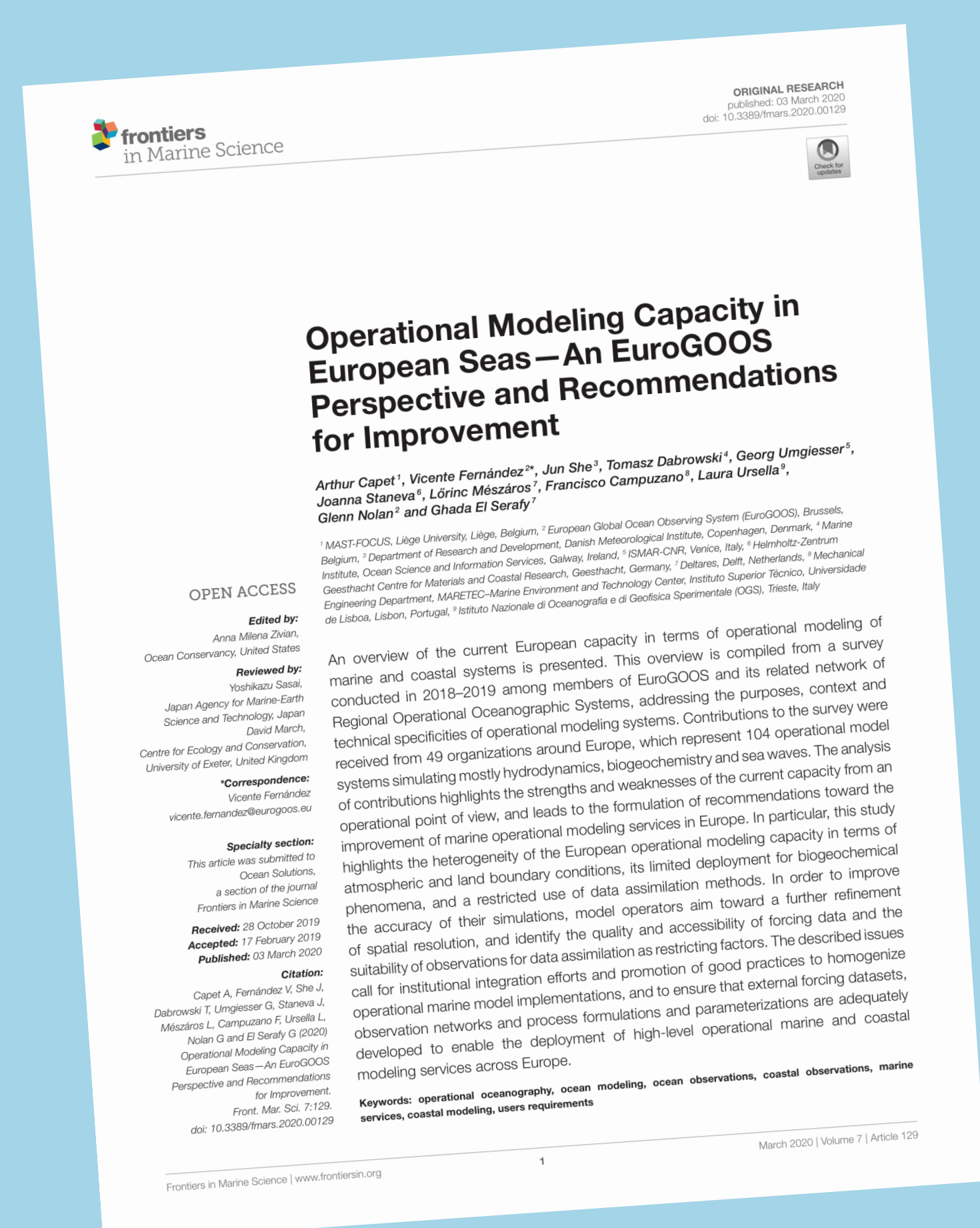
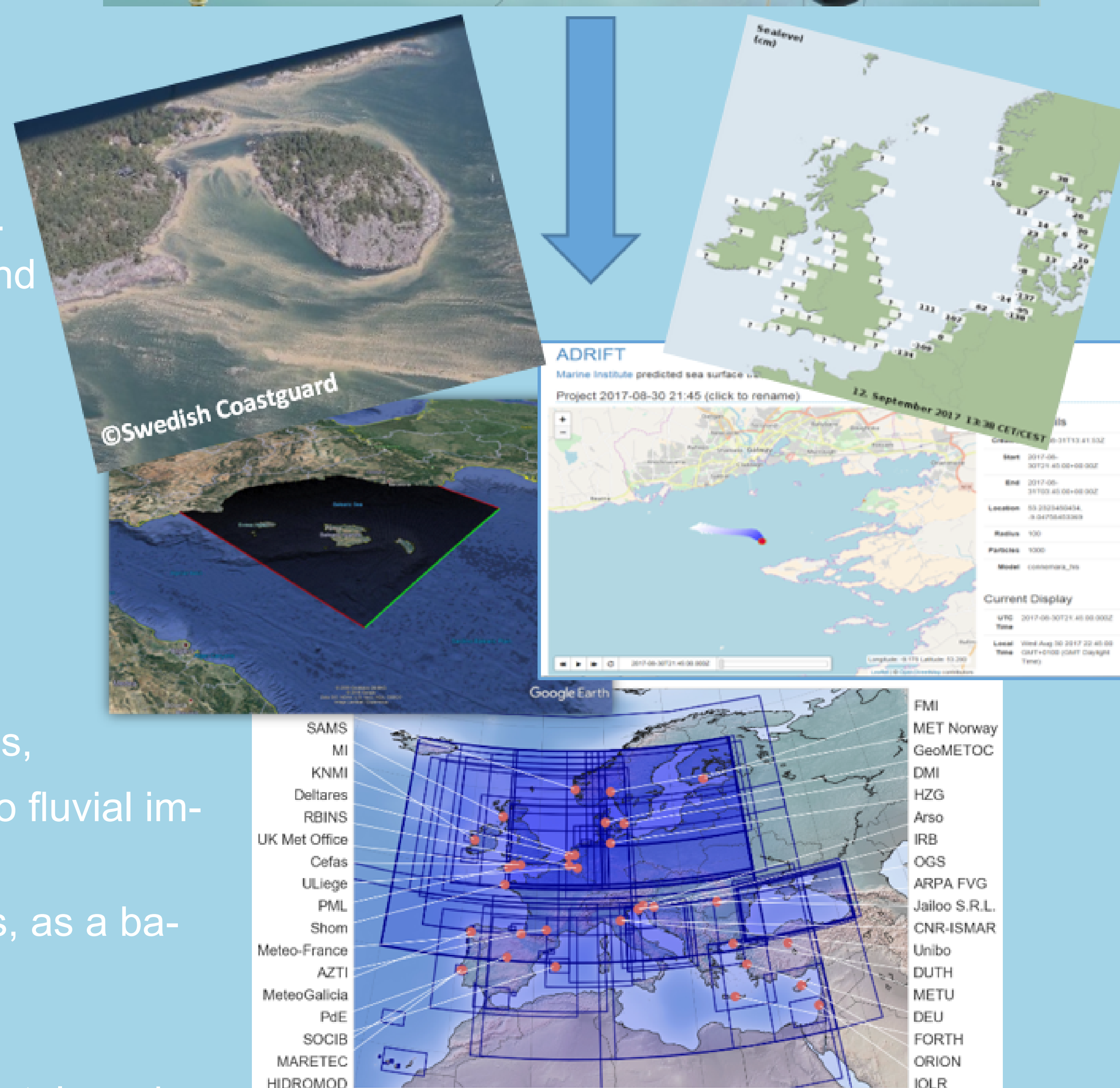
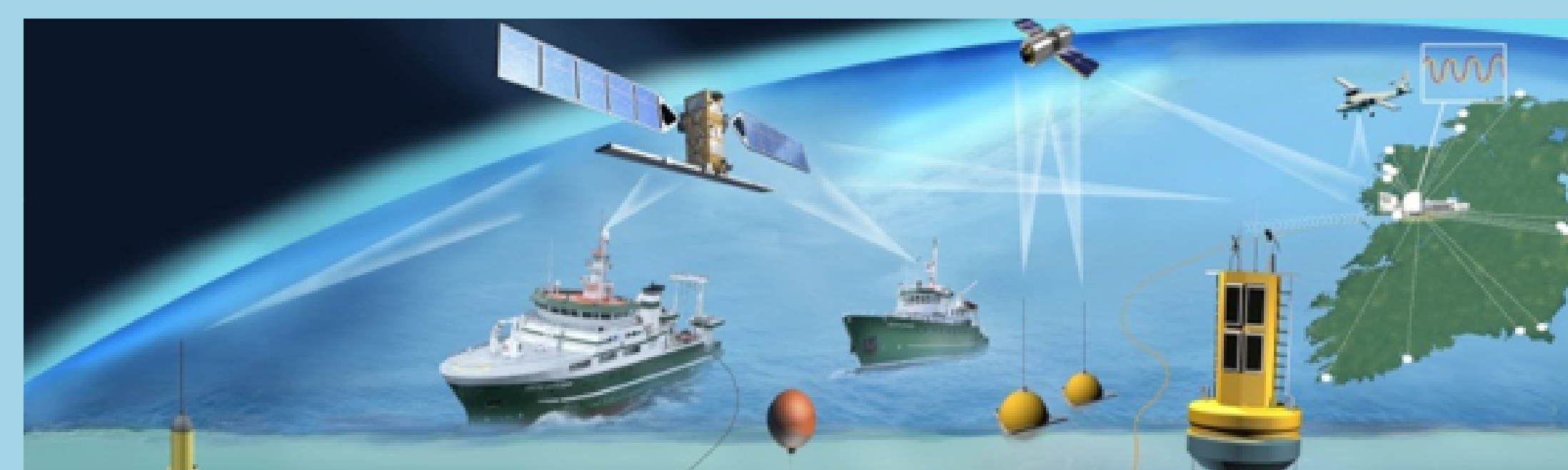
- The EuroGOOS Coastal working group of experts examines the operational oceanography value chain from **coastal observations**, satellite data, ocean forecasts and analyses, to **products and services for coastal users**.
- The working group reviews the fitness-for-purpose of the existing coastal observation and modelling system and proposes recommendations to secure and improve all elements of the **coastal value chain**.

Keywords: *Integrated coastal oceanography | Coastal modelling and forecasting | Ecosystem-based management | Operational ecology services | Operational EO products | Land-sea continuum integrated modelling*

Activities

The main activities of the EuroGOOS Coastal Working Group are:

- Identify and engage users and stakeholders of coastal products and services,
- Review available and potential coastal data sources including data related to fluvial impacts on the coastal ocean, e.g. freshwater discharges,
- Prepare and maintain an inventory of European Operational Coastal Models, as a basis for capacity assessment and recommendation roadmap,
- Prepare an inventory of integrated coastal products and services, and
- Formulate an EuroGOOS roadmap for integration and market uptake of coastal services in synergy with similar initiatives (GOOS, EOOS, GODAE, CMEMS, CLMS, EU projects and Research Infrastructures).



Capet A, Fernández V, She J, Dabrowski T, Umgiesser G, Staneva J, Mészáros L, Campuzano F, Ursella L, Nolan G and El Serafy G (2020) Operational Modeling Capacity in European Seas—An EuroGOOS Perspective and Recommendations for Improvement. *Front. Mar. Sci.* 7:129. doi: 10.3389/fmars.2020.00129

Early achievements

The coastal Working Group activities have contributed to the coastal operational oceanography community through:

- communication and outreach, recurrent monthly meetings, and contributions to international events, generally developing large-angle reflections on current standards regarding coastal observations, modelling, data infrastructure and integration.
- More specifically, the group issued peer-reviewed publications such as the review of operational modelling capacity in European Seas (Capet et al., 2020) and effectively initiate and develop the uptake of coastal oceanography product by the sectors of aquaculture, fisheries and oysterground restauration (EU funded H2020 FORCOAST project (www.forcoast.eu)).

EuroGOOS

The Coastal Working group was created in 2018 and is currently composed of 21 experts in different domains of the operational oceanography from 12 countries.

EuroGOOS, the European Global Ocean Observing System, is an international non-profit association of governmental agencies and research organisations, established in 1994 within the context of the UNESCO Intergovernmental Oceanographic Commission's Global Ocean Observing System.