

Combining extensive amounts of satellite, modelling and *in-situ* data, especially from the Copernicus, the SAFI service is easy to use, stakeholder-designed, and contains a huge catalogue of data.

Plans to commercialise SAFI will make this tool available to members of the aquaculture and fisheries industries, tailored to users based on specific requirements on a case-by-case basis.

Full information on SAFI is available on [www.safiservices.eu](http://www.safiservices.eu)



ESA's SENTINEL 3 SATELLITE – ONE OF THE SATELLITES SUPPORTING SAFI PRODUCTS



PLANKTON BLOOM OFF SOUTH WEST COAST OF IRELAND

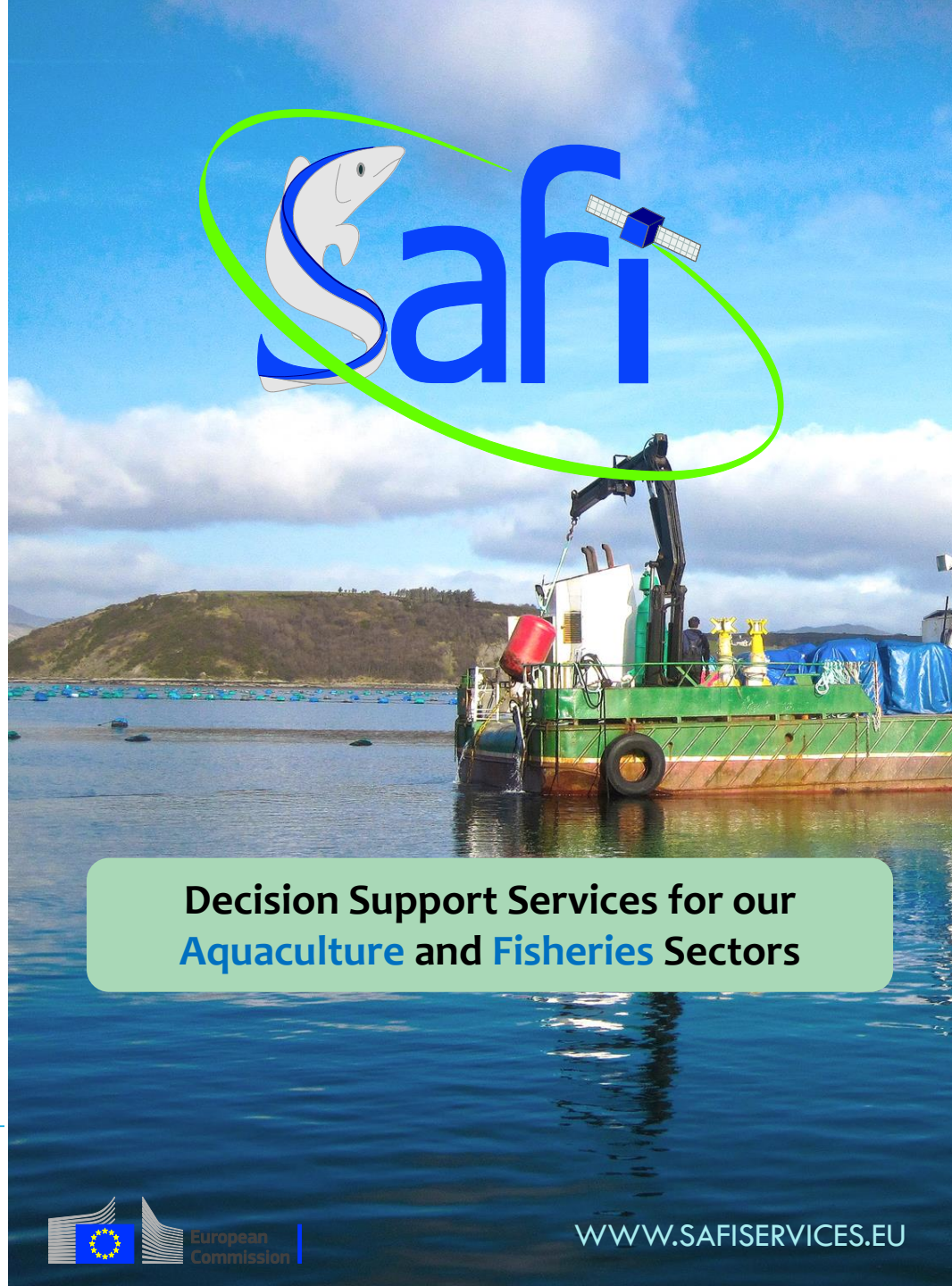
Services provided by SAFI have been shaped by the aquaculture and fisheries sector, for the aquaculture and fisheries sector.

Stakeholders have worked closely with the SAFI consortium to direct the products developed, the indicators of use, and the different levels of service offered by SAFI.

For more information see [www.safiservices.eu/Users](http://www.safiservices.eu/Users) or email [contact@safiservices.eu](mailto:contact@safiservices.eu)



THE SAFI SERVICE WAS DEFINED BY STAKEHOLDER REQUIREMENTS GAUGED THROUGH ENGAGEMENT WORKSHOPS



Decision Support Services for our Aquaculture and Fisheries Sectors



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## ABOUT SAFI

SAFI provides a powerful, client-focused, easy-to-use data processing tool; designed to assist operators and decision makers in the aquaculture and fisheries industries in making well-informed decisions for efficient and sustainable development and management of operations. Thanks to the Copernicus programme, the SAFI tool allows users access to a huge catalogue of data

Two levels of service are available through SAFI, tailored to specific client requirements:

- Service 1:
  - Industry and administration users;
  - Easy access to the SAFI product suite;
  - Customised environmental monitoring
- Service 2:
  - In-depth access to the SAFI database, with access to historic and near-real-time environmental data;
  - Remote data processing capabilities for individual research needs;
  - Time series extraction;
  - Statistical analysis;
  - Site identification according to user-specified environmental criteria



⬆ USER LED PRODUCT DESIGN

### SUPPORT TO FINFISH AND BIVALVE AQUACULTURE INDUSTRIES



SUPPORT TO FISHERIES INDUSTRIES, SUPPORTING EFFICIENCY AND SUSTAINABILITY ⬆

## DECISION SUPPORT TOOL

The SAFI decision support tool is offered via two services designed for the specific needs of the client. The services described above, will be delivered via a web-GIS service offering a range of decision-making supports.

### AQUACULTURE SUPPORTS

- Near-real-time access to environmental parameters near existing or projected sites;
- Wave forecasting for the management of operations, anticipation of feeding constraints, anticipation of risk based harvesting;
- Licencing support: access to long-term data archive;
- Optimal site identification;
- Carrying capacity estimation for Atlantic mussel farms;
- Effects of climate change on optimal sites (e.g. monitoring of species breeding limits)

### FISHERIES SUPPORTS

- Near-real-time access to environmental parameters affecting fisheries;
- Estimation and forecasting of spawning periods for small pelagic fisheries and bivalves;
- Information on fisheries migration routes;
- Estimation of yearly stock abundance and recruitment at a local scale;
- Identification of ecological niches and location of potential habitats;

To learn more about and explore a demo version of the SAFI decision support tool, visit [www.safiservices.eu/DecisionSupport](http://www.safiservices.eu/DecisionSupport)