



COASTAL OBSERVATIONS & FORECASTS

PREVIMER

A coastal operational oceanography system coupled to the Copernicus Marine Service

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THE CHALLENGE

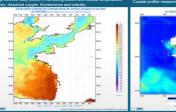
Our coastal zones are subject to increasing anthropogenic pressure. Monitoring systems are required to protect them, prevent or mitigate risks and to ensure a sustainable management of their resources.

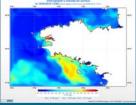


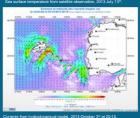


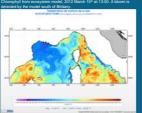












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PREVIMER is a partnership between **Ifremer** (French Research Institute for Exploitation of the Sea), **SHOM** (French Hydrographic Office) and several major French institutions.

PREVIMER provides coastal observations, analyses and 4 days forecasts for the French coasts: **currents**, **water levels**, **waves**, **temperature**, **salinity**, **turbidity**, **nutrients and plankton concentrations**. The service includes information based on **in situ**, **satellite observations and numerical simulations**.

PRODUCTS & SERVICES

PREVIMER products and services are used by French marine environment monitoring and maritime safety agencies, for **professionals** (e.g. fish and shellfish farming industry), **local authorities**, **consultants** and **scientists**.

COUPLED TO THE COPERNICUS MARINE SERVICE

PREVIMER coastal models need boundary and initial conditions. They are coupled to the Copernicus/MyOcean modelling. This allows a **seamless description of the ocean** from the **open sea** down to the **coastal zone**.

www.previmer.org

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