PREVIMER

A coastal operational oceanography system coupled to the Copernicus Marine Service

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.

COASTAL OBSERVATIONS & FORECASTS

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