



PORTUS Marine Information System



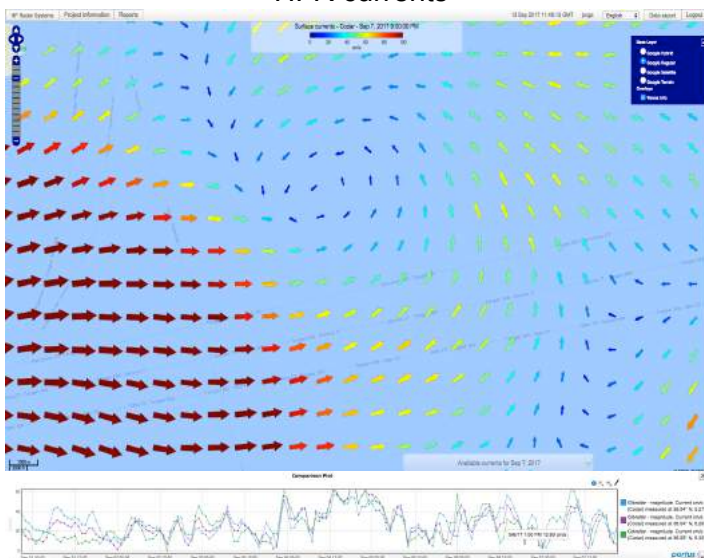
PORTUS is a state-of-the-art, multi-user, web-based Marine Information System that boosts visibility and value of your oceanographic and meteorological data.

PORTUS provides real-time and historical environmental data management, analysis, visualization and internet-based distribution. A wide variety of environmental data whether measured or modeled are made accessible through a familiar Google Maps™ interface.

Ability to integrate data from different models of HF radar systems. Special attention is paid to get the most out of CODAR SeaSonde® HF radar data.

HF radar measurements

HFR currents

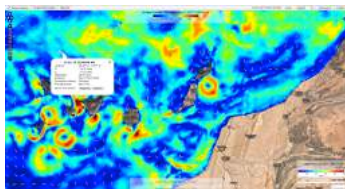


HFR waves

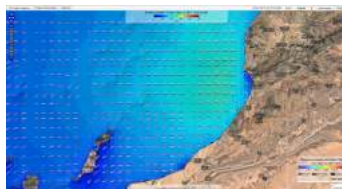


Ocean and Atmospheric Forecasting System layers

Currents



Waves



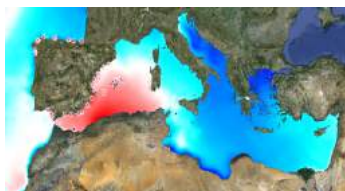
Pressure



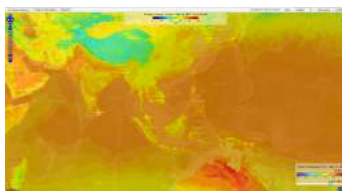
Rain



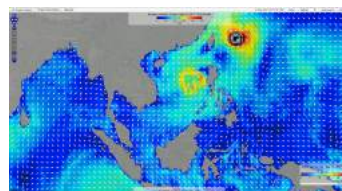
Sea Level



SST



Wind



Cloud coverage



PORTUS Marine Information System

PORTUS features include:

User-friendly, multi-user, web-based interface to easily display and manage historic and real-time HF radar currents, wind and wave data; Vessel tracks from AIS and SeaSonde HFR Vessel Detection software.

Open architecture to integrate comprehensive National Observing Systems including ADCPs, buoys, tide gauges, met stations, satellites, forecast models... and customized derived products.

Flexible data sharing and export capabilities (FTP server, OPEnDAP, KML, Web Map Services...).

Scalable client-server architecture.

Highlights

- All your met data into one system
- Access your data anytime, anywhere
- Access rights management
- Powerful export and data sharing tools
- Multilingual/ customizable web portal
- Automatic data validation tools
- Added-value HF radar products

PORTUS users include:

- Meteorological Institutes
- Universities
- Port Authorities
- Research Institutes
- Environmental Authorities
- Navies
- Industry

Data Flow and System Architecture

