



## PORTUS Marine Information System

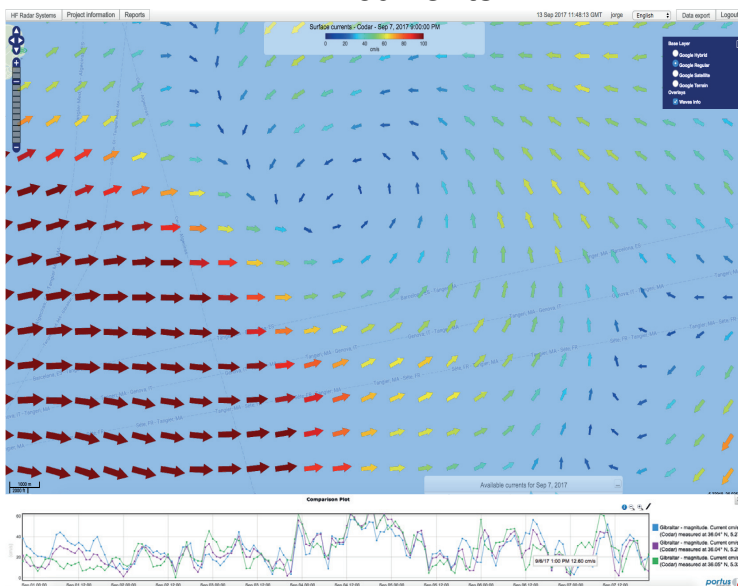
**PORTUS** is a state-of-the-art, multi-user, web-based Marine Information System that boosts visibility and value of your oceanographic and meteorological data.

**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.

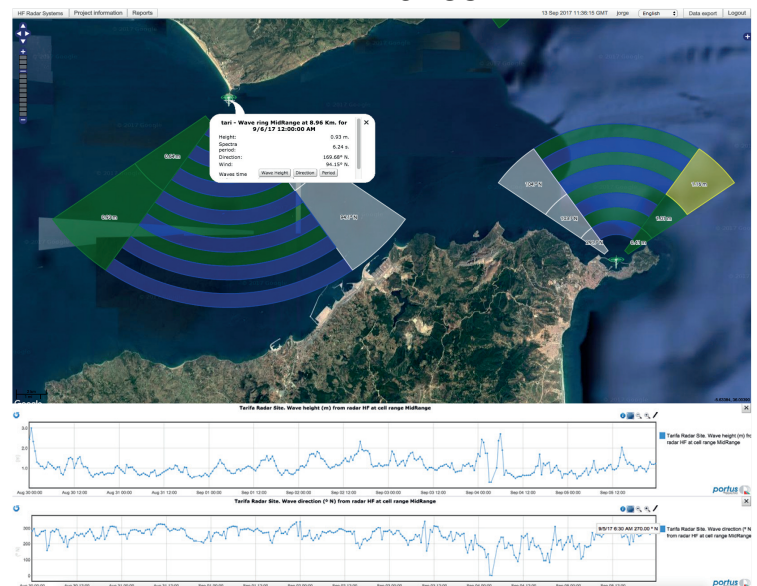
Special attention is paid to get the most out of CODAR SeaSonde® HF radar data.

### HF radar measurements

HFR currents

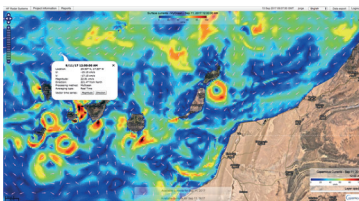


HFR waves

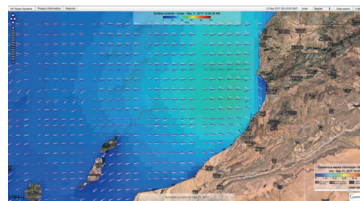


### Ocean and Atmospheric Forecasting System layers

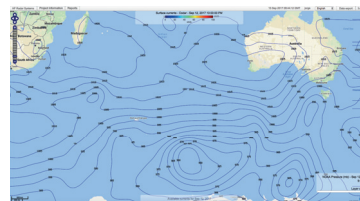
Currents



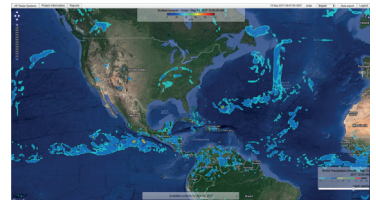
Waves



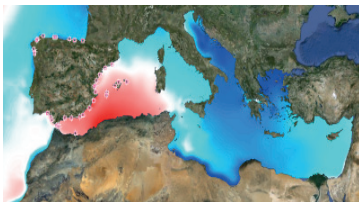
Pressure



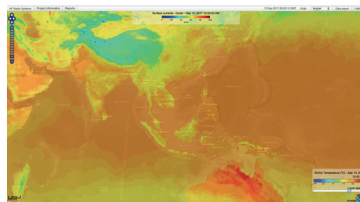
Rain



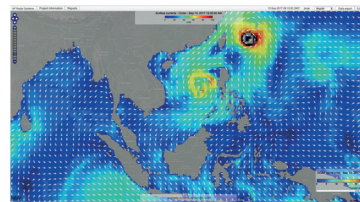
Sea Level



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

