



SIMOcean

System for Integrated Monitoring of the Ocean

Project Presentation

- **SIMOcean** aims to contribute for the improvement of the National marine management, monitoring and vigilance capabilities.
- Aggregates data from wide variety of sources:
 - Earth Observation
 - Meteorological Data
 - Maritime Environmental Monitoring Data
 - Other Applicable Open Data Sources
- Data will be available on a Cloud Environment
 - For the development and exploitation of new Services

Schedule

Start: 09/2015

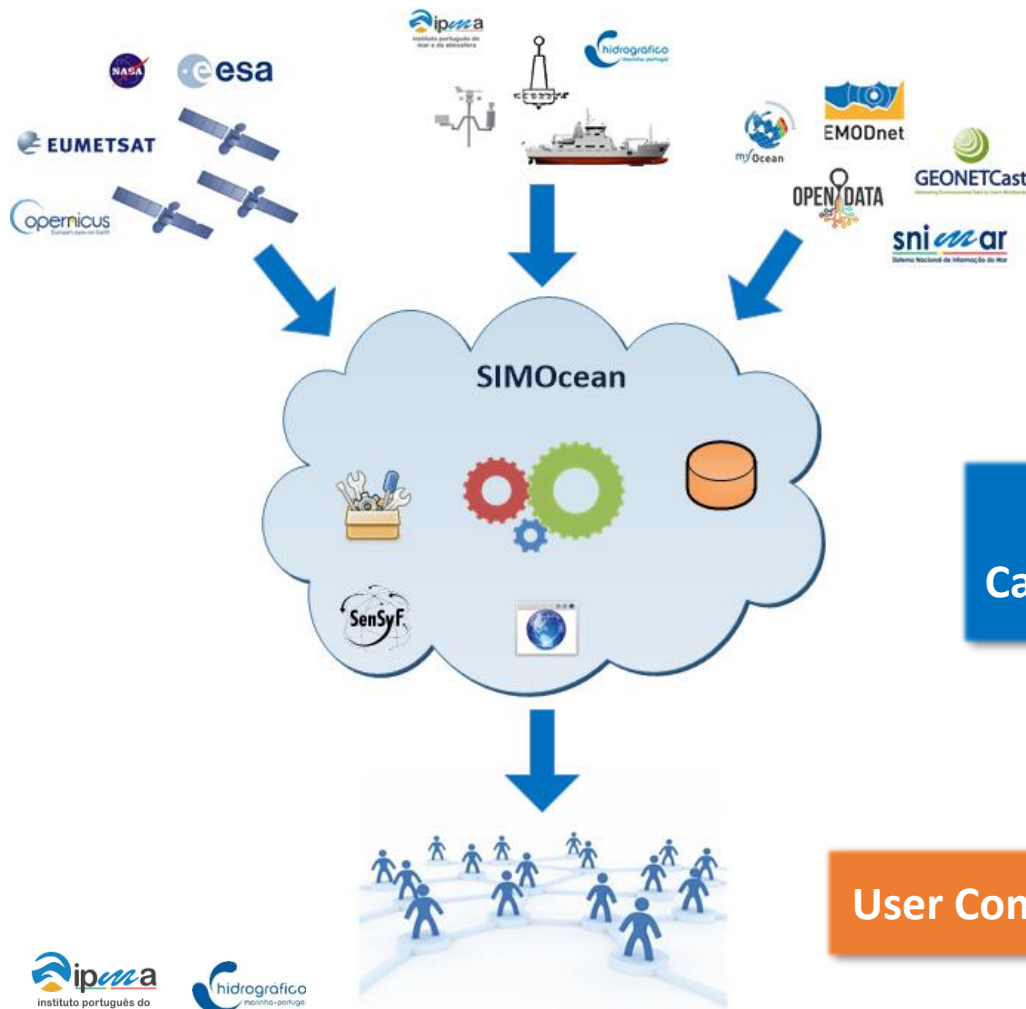
Finish: 07/2017

Budget

Total: 275k€

EEA Cont: 206 k€

System Overview



Wide Variety of
Data Sources

Cloud Computing
Capabilities for Data Fusion

User Communities

Demonstration Services



Fishing Areas Characterization

- Prediction of fish distributions and potential areas of catch for the main species along the Portuguese coast



Sea Wave Alert for Local Ports

- To provide access to real-time sea state information based on high-resolution forecast models for the port authorities.



Comparison System for Meteo-Oceanographic Parameters

- To enhance forecasts of wave height, currents and wind into specific areas helping rescue missions to reduce the coverage areas and response times

Project Team



Project Sponsor



Data & Service Providers

**Project Coordinators
Framework & Tools
Developers**

Data & Service Providers