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

Data & Service Providers

Project Coordinators
Framework & Tools
Developers

Data & Service Providers

Project Sponsor