



PT02_Aviso5_0001

SIMOcean - System for Integrated Monitoring of the Ocean

DESCRIPTION

SIMOcean will contribute to improve the National marine management, monitoring and vigilance capabilities by aggregating different observational, satellite and model ocean and other datasets related to marine environment monitoring, associated human activities and their social, environmental and economic impact, currently managed by IPMA and Hidrográfico, the main Portuguese data producers/providers of oceanic data. Those datasets will be integrated in SIMOcean to provide value added services for sea state prediction and monitoring, in particular, related to sea wave propagation, ocean circulation dynamics and atmosphere/ocean interaction processes. SIMOcean will include specific human activities datasets related to those scenarios, integrated with marine environment monitoring variables. It will also provide enhanced tools for the generation of value added products for those operational scenarios, namely to compare and validate current ocean state variable models; eliminate ambiguities in remote sensing data; and provide several sources of observed and modeled sea-state data to the end-user in a comparable and intuitive manner.

PROJECT PROMOTER

DEIMOS Engineering, SA

PROJECT PARTNERS

Hydrographic Institute, Portuguese Sea and Atmosphere Institute (IPMA)

TOTAL COST

242.275€

TOTAL ELIGIBLE COST

242.109€

EEA Grant

205.793€

OUTCOME

Outcome#3 - Increased capacity for assessing and predicting environmental status in marine waters

OUTPUT

Management, information and surveillance systems on the marine environment, human activities at sea and the atmosphere are integrated and linked to geographical data

INDICATOR (I)

Number of different systems which information has been integrated

TARGET (I)

2

INDICATOR (II)

Number of different domains (human activities, marine environment monitoring, socio-economic impacts) which information has been integrated

TARGET (II)

2

INDICATOR (III)

Number of different services developed, exposing the integrated information

TARGET (III)

3

INDICATOR (IV)

Number of different developed added value services

TARGET (IV)

2