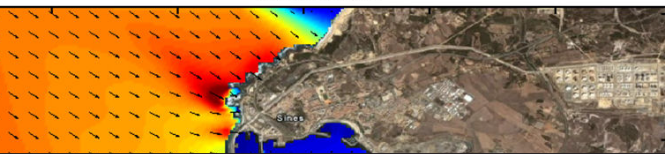
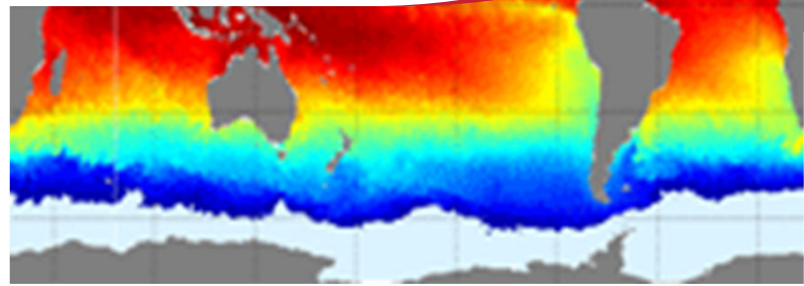


Previsão da Agitação Marítima - HIDROMOD, Modelação em Engenharia, Lda.
Oct.27.2015 09:00



Type III - PT02_Aviso3_0001

AMOS - Advanced Meteo-Oceanographic Forecasting Services for Sea



DESCRIPTION

The first goal of the present proposal is to make available a sea storm warning service covering Portugal's mainland and autonomous regions at scales compatible with the coastal uses and activities. The service will have the ability to communicate with different data sources and provide detailed daily forecast of: Meteorology (wind, precipitation, visibility, etc.), oceanography (sea temperature, currents, water levels and salinity) and waves (Hs, T, Dir, spectral parameters);

These services may be used to provide advice (and warning) to the navigation, fishing, coastal recreational activities, coastal erosion and flooding. Once the system is operational it will provide daily forecasts for the next days and may be used not only to issue alerts but also to provide high resolution forecasts for the remaining periods.

The system may also be used to support other activities such as providing proper meteo-oceanographic conditions capable to act as the basis for oil spills tracking forecasting system and for the identification of most probable places for fish stocks location.

The services that will result from the partnership with NAVTOR will make possible to include the oceanography and wave climate forecasts in the NAVSTATION platform, which is already widely used as a basis for the Electronic Nautical Charts on Board, including chart update history, vessel track and service management, etc. NNS is a Digital Chart table made specifically for integration of relevant information to the Navigator. This will help to disseminate the produced sea storm warnings directly to the vessels commandants and will also create an extra potential market for the services.

PROJECT PROMOTER

HIDROMOD, Modelling in Engineering, Lda

DONOR PROJECT PARTNER

NAVTOR AS (Norway)

TOTAL COST

236.187€

TOTAL ELIGIBLE COST

235.152€

EEA Grant

199.879€

OUTCOME

Outcome#2 - Improve monitoring of marine waters

OUTPUT

Early warning capability for sea storms with potential significant impact on Portugal's mainland and autonomous regions marine and coastal areas

INDICATOR

Number of early warning services for sea storms

TARGET

1 early warning service