



Smartphone application for sailors in the Mediterranean Sea

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Trade & Marine
Navigation

Overview

KAPTAN is a smartphone application for mariners developed by the Physical Oceanography Research Group, Dept. of Geosciences, University of Malta, as part of the CALYPSO FO project. It uses HF radar operational data, satellite data and numerical models to provide information on the present and predicted sea conditions in the Malta-Sicily Channel. KAPTAN has a user-friendly interface that provides users with marine weather maps and point data at the tip of their fingers. It centralises data from many sources (modelling, in-situ, satellite), including satellite data from the Copernicus Marine Service. KAPTAN maps those data using Google Earth mapping tools and redistributes them as ASCII files. It also provides a Google Maps application programming interface (API) for users who are also developers. It is one of the most frequently downloaded weather apps in Malta on the Apple App Store and has received 5-star reviews on Google Play.



Up until recently, sailors were planning their crossing using manual methods and books like pilot charts. New weather routing tools have now appeared on the market thanks to the mobile revolution. Sailors can improve their security onboard thanks to a better knowledge of the meteo and oceanic conditions. Crossings are safer for human beings and equipment on board.

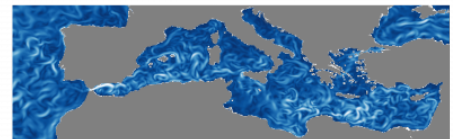
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students from 92 different countries.

Products used

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