



Will EcoBluBox's surface data provide useful information for satellite data calibration? A comparison with SeaWiFS data

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Sailing feasibility study takes origin from the VOS program and it shows that sailing pleasure craft can become a valid oceanographic measure platform if it is supported by "ad hoc" technological developments.

EcoBluBox is a prototypal stand-alone system which measures surface temperature, salinity and chlorophyll a fluorescence variables. These data can be used both in real time, if they are transferred by GSM systems, and recorded in on-board memory units.

They can be assimilated in physical and biological predictive sea models and they can also be used for the calibration of marine satellite data.

Two sets of data were taken in the West Mediterranean Sea with the EcoBluBox instrumental system (in the Tyrrhenian Sea, near the Civitavecchia coast and offshore between Sardinia and the Balearic Islands).

In order to understand if this new instrumental system will be handy for the calibration of marine satellite data we will show the comparison of the survey data with SeaWiFS data.