



Sailing VOS Feasibility Study, with EcoBluBox instrumental system

A. Petri (1), M. Marcelli (1), U. Mainardi (2), and V. Piermattei (1)

(1) University of TUSCIA, DECOS- UNITUS, Viterbo, Italy (petriale@unitus.it, +39 0766 366538), (2) Maisoft, Via Ronchi, 18 – 24020 BERGAMO - Italy

Sailing VOS (Voluntary Observing System) Project is a feasibility study regard a multiparametric improvement, to low cost, of EcoBluBox instrumental system, starting from technological developments of T-FLAP prototype (A temperature and fluorescence Launchable Probe) occurred during MFSTEP Project (2003-2006).

Sailing VOS feasibility study take origin from the program VOS and it show that sailing pleasure craft can become valid measure oceanographic platforms if they are supported by ad hoc technological development. EcoBluBox is a prototype system that measure, recorder and transfer in standalone the surface temperature, salinity and chlorophyll a fluorescence variables.

These data can be used in real time, assimilated in physics and biological predictive models of sea. They can be used, also, for the calibration of marine satellite data.

The purpose of this work is to give a new impetus in oceanographic studies, giving some practicality examples.