



## OCEANOSCIENTIFIC® SYSTEM

### ENHANCING THE SCIENTIFIC RESEARCH VESSEL FLEET

OceanoScientific® System is aimed at responding to the needs of the international scientific community in the field of climate change by providing it with free, good quality data for studying the physical and biogeochemical properties of the ocean-air interface in maritime regions where there has been little or no scientific exploration. The project is organised under the auspices of the UN JCOMM, the joint WMO/IOC Technical Commission for Oceanography and Marine Meteorology. OceanoScientific® System is a plug-and-play device for the automatic acquisition and transmission (via satellite) of a minimum of twelve scientific parameters formatted according to the norms of the United Nations bodies concerned. This technological development, which currently has no equivalent worldwide, enables scientists to access a new fleet of ships of opportunity comprising all vessels of more than 15 metres. It will also involve 16-metre yachts designed by SailingOne and specially dedicated to these scientific missions (NAVOSE® - Navires A Voile d'Observation Scientifique de l'Environnement), as well as ocean-going competitive yachts devoted to round the world solo and paired events. All data is transmitted free to the international scientific community and then integrated into the Global Ocean Observing System, including the Global Telecommunication System (GTS) of the World Meteorological Organisation (WMO). These observations thus contribute to improving weather forecasting and climatology in regions where there has been little or no scientific exploration.

#### Partners

##### Companies

SailingOne, Caen et Saint-Philibert [Project Developer]  
SubCtech, Osdorf (Kiel), Allemagne

##### Research centers

Ifremer, Laboratoire de Physique des Océans, Brest  
Météo France, Brest

#### Funders

- FEDER (Basse-Normandie)  
- Eranet-Martec II

#### Labelisation

24/02/2012

#### Overall budget

1 567 K€