



VOS line along the Eastern Atlantic ocean: CO₂ fluxes

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A new VOS (Volunteer Observing Ship) line connecting monthly Felixstowe (UK) and Cape Town (SouthAfrica) has been implemented to cover the Eastern Atlantic as a part of CARBOOCEAN Project improving the previous design of VOS lines in the Atlantic Ocean during CAVASSOO project.

This VOS line is included in the Core theme 1 of the CARBOOCEAN project: North Atlantic and Southern Ocean CO₂ air-sea exchange on a seasonal-to-interannual scale. The principal objective is monitoring the carbon dioxide system along Eastern Atlantic using a continuous underway pCO₂ system developed by Craig Neill (Bjerknes Centre for Climate Research) with thermosalinograph, fluorometer and oxygen sensors.

The Mediterranean Shipping Company has provided the platform for this study from August 2005. Preliminary CO₂ fluxes determination considering different oceanic areas covered by the ship are presented in this poster together with future work planning.