

## **PREFACE Milestone Report**

Milestone#: MS05

Milestone name: 1st year-Glider/Turbulence measurements along southeastern boundary

WP#: WP3

Lead beneficiary: GEOMAR

Delivery date from annex I: 31.10.2014

Milestone achieved: No

Comments:

Glider/Turbulence measurements along the South-eastern boundary could not be carried out because of the cancellation of a planned research cruise (see Milestone MS12).

Glider/Turbulence measurements off Angola were planned to be performed during a cruise of the German research vessel Polarstern in November 2014. However, the planned working program in the Angolan exclusive economic zone (EEZ) during the cruise was cancelled on short notice by the vessel operators. Other research vessels open to barter through OFEG agreement were not available as well. The next cruise to the Angolan and Namibian upwelling region is scheduled for October/November 2015 (chief scientist will be Marcus Dengler, GEOMAR). During this cruise, we plan to deploy 4 Gliders, three equipped with turbulence probes.

Milestone MS05 (Glider/Turbulence measurements) contributes to determining the mixed-layer heat and salt budgets in the Angolan and Namibian upwelling region and is related to deliverables D3.1 and D3.4. However, although the milestone was not achieved, the planned tasks and deliverables within WP3 will be achieved as scheduled. During an R/V Meteor cruise in June/July 2013, Glider measurements equipped with a turbulence probe were carried out in the Angolan and Namibian waters. Two Glider missions were conducted in July/August 2013 totalling 27 measurement days. Additionally, turbulence data were collected from the R/V Meteor during the cruise. These data sets can be used as a substitute for the gap data in 2014.