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## **The CARBOOCEAN Integrated Project: Europe's motor for a marine carbon sources and sinks assessment**

A. Volbers (1), C. Heinze (1), B. Pfeil (1), H. Høiland (1), H. De Baar (2) and the CARBOOCEAN Consortium

(1) CARBOOCEAN project office: University of Bergen, Bjerknes Center for Climate Research, Allégaten 70, 5007 Bergen, Norway

2) Netherlands Institute for Sea Research, Netherlands (<http://www.carboocean.org>)

CARBOOCEAN is an EU Integrated Project that aims at an accurate scientific assessment of the marine carbon sources and sinks with special focus on the Atlantic and Southern Oceans -200 to +200 years from now. It quantifies the ocean's quantitative role for uptake of atmospheric carbon dioxide (CO<sub>2</sub>), the most important manageable driving agent for climate change. Since the ocean has the most significant overall potential as a sink for anthropogenic CO<sub>2</sub>, the correct quantification of this sink is a fundamental necessary condition for all realistic prognostic climate simulations. But temporal and spatial details of this sink are not yet accurately quantified.