

ROSES-16 Amendment 54: A.3 OBB Final text

ROSES-16 Amendment 54: Release of final text for [A.3 Ocean Biology and Biogeochemistry](#) program element.

NASA's Ocean Biology and Biogeochemistry (OBB) program focuses on describing, understanding, and predicting the biological and biogeochemical regimes of the upper ocean, as determined by observation of aquatic optical properties using remote sensing data, including those from space, aircraft, and other suborbital platforms. Additionally, NASA Ocean Biology and Biogeochemistry research addresses changes in Earth's carbon cycle and ecosystems using space-based observations in order to improve understanding of the structure and function of global aquatic ecosystems, their interactions with the atmosphere and terrestrial systems, and their role in the cycling of the major biogeochemical elements.

The focus of this program element is the initial research to begin the EXport Processes in the Ocean from RemoTe Sensing (EXPORTS) field campaign – a large-scale field campaign that will provide critical information for quantifying the export and fate of upper ocean net primary production (NPP) from satellite observations. The overarching goal of EXPORTS is to develop a predictive understanding of the export and fate of global ocean primary production and its implications for the Earth's carbon cycle in present and future climates.

This program will accept proposals by a two-step process, in which the Notice of Intent is replaced by a mandatory Step-1 proposal submitted by an Authorized Organizational Representative (AOR). Required Step-1 proposals are due by February 13, 2017, and Step-2 proposals are due April 13, 2017.

Questions concerning this program element may be directed to Paula Bontempi at Paula.Bontempi@nasa.gov.