



The Changing Ocean Carbon Cycle A Midterm Synthesis of the Joint Global Ocean Flux Study International Geosphere-Biosphere Programme Book Series

By -

Cambridge University Press. Paperback. Book Condition: New. Paperback. 528 pages. Dimensions: 9.7in. x 6.9in. x 1.0in. The world's oceans act as a reservoir, with the capacity to absorb and retain carbon dioxide. The air-sea exchange of carbon is driven by physico-chemical forces, photosynthesis, and respiration, and has an important influence on atmospheric composition. Variability in the ocean carbon cycle could therefore exert significant feedback effects during conditions of climate change. The Joint Global Ocean Flux Study (JGOFS) is the first multidisciplinary program to directly address the interactions among the biology, chemistry, and physics of marine systems, with emphasis on the transport and transformations of carbon within the ocean and across its boundaries. This unique volume, written by an international panel of scientists, provides a synthesis of JGOFS science and its achievements to date. The authoritative chapters will be of great interest to readers seeking a current overview of the role of ocean processes in Earth system science and their wider implications for climate change. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



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