



An important component of the Canadian JGOFS program was a process study in the Gulf of St. Lawrence and the adjacent Scotian Shelf off Nova Scotia (Canada) and a large part of the results from this study are presented in this issue. The overall objective of this work, whose field component took place between July 1992 and June 1994, was to study the cycling of biogenic carbon from its uptake and/or deposition by phytoplankton to its respiration in the water column or burial in the underlying sediments. Specific components of the program included the planktonic processes that control the fixation of carbon and its export from the euphotic zone, the spatio-temporal variations of the major components of settling particulate material, and their contributions to the overall flux of carbon toward the seafloor, and the diagenesis of the material that settles on the bottom, in order to understand the role of continental margin sediments in the carbon cycle.

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