

INTEGRATED ANALYSES OF CIRCUMPOLAR CLIMATE INTERACTIONS AND ECOSYSTEM DYNAMICS PROGRAM

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The Integrated analyses of circumpolar Climate interactions and Ecosystem Dynamics in the Southern Ocean (ICED) program will address the need to understand how climate and anthropogenic forcings may affect the ecosystems of the Southern Ocean. The three major themes for ICED are: 1) to understand how climate processes affect the structure and dynamics of ecosystems in the Southern Ocean; 2) to understand how ecosystem structure and dynamics affect biogeochemical cycles in the Southern Ocean; and 3) to determine how ecosystem structure and dynamics should be incorporated into management approaches to sustainable exploitation of Southern Ocean species. To achieve this ICED will bring together climatologists, oceanographers, biogeochemists, ecologists and fisheries scientists in a single circumpolar research effort. The ICED program is proposed as part of the new joint International Geosphere-Biosphere Program (IGBP) and Scientific Committee on Scientific Research (SCOR) initiative entitled Integrating Marine Biogeochemistry and Ecosystem Research (IMBER) and will build on the results of the Southern Ocean Global Ocean Ecosystems Dynamics Program. The ICED program also has the support of the European Network of Excellence for Ocean Ecosystems Analysis (EUR-OCEANS) and the Scientific Committee on Antarctic Research (SCAR). This presentation will provide an overview of the current status of the ICED Program, and its involvement in the International Polar Year (IPY) activities.