

## PICES at the 2009 GLOBEC Open Science Meeting

The Climate Change and Carrying Capacity (CCCC) Program was the first major interdisciplinary scientific initiative undertaken by PICES. The basic concept for the CCCC Program was approved at the PICES Second Annual Meeting (October 1993, Seattle, U.S.A.), and the details of its Science Plan were developed during a workshop held prior to the PICES Third Annual Meeting (October 1994, Nemuro, Japan). The CCCC Implementation Plan was developed a few months later at an inter-session workshop convened in May 1995 in Honolulu (U.S.A.). At the PICES Fourth Annual Meeting (October 2005, Qingdao, People's Republic of China), the CCCC Program was endorsed as a regional component of the emerging Global Oceans Ecosystem Dynamics (GLOBEC) Program, co-sponsored by the International Geosphere-Biosphere Program (IGBP), Scientific Committee of Oceanic Research (SCOR) and Intergovernmental Oceanographic Commission (IOC) of UNESCO. This endorsement was the first step toward productive PICES-GLOBEC collaboration. We have now a long history of working together, and GLOBEC-PICES interactions and relations over these 15 years have been mutually beneficial. Affiliation with GLOBEC broadened the CCCC Program to include connections with global environmental change research networks and provided integration with the global comparisons being conducted by these networks. At the same time, the CCCC Program worked as a mechanism for integrating national GLOBEC research programs in the North Pacific.

The 3<sup>rd</sup> and the final (since GLOBEC will formally close in early 2010) GLOBEC Open Science Meeting on “*Marine Ecosystems: from Function to Prediction*” was convened June 22–26, 2009, in Victoria, British Columbia, Canada. It was natural that PICES was invited and agreed to co-sponsor the OSM by providing some monetary support for invited speakers and early career scientists from our member countries, and by assisting in local arrangements

for this event held at the location of the PICES Secretariat. PICES also had a booth with our publications and posters summarizing the outcome from the CCCC Program and introducing the new PICES integrative science program, FUTURE (see photos below).

The purpose of the OSM was to contribute to the synthesis and integration of the results of GLOBEC international activities, and it was a very memorable event demonstrating progress of GLOBEC. The meeting included three days of plenary sessions along the following themes: (1) GLOBEC achievements, (2) Ecosystem structure, function and forcing, (3) Ecosystem monitoring and prediction, (4) Ecosystem management and human dimensions, and (5) Marine ecosystem science: Into the future. The first two days were devoted to ten 1- or 2-day topical workshops proposed by the scientific community. PICES scientists were very active in submitting proposals for, convening and attending these workshops. Brief reports from the following seven workshops can be found on pages 9–25 in this newsletter:

- Modeling Ecosystems and Ocean Processes: The GLOBEC Perspective of the Past, Present and Future;
- Krill Biology and Ecology in the World's Oceans;
- Comparisons of Processes and Climate Impacts in Sub-Arctic and Antarctic Marine Ecosystems: Observations and Modeling Approaches;
- Biogeochemistry of the Oceans in a Changing Climate;
- Continuous Plankton Record Surveys of the Global Ocean;
- Plankton Phenology and Life History in a Changing Climate: Observations and Modeling;
- Climate Impact on Ecosystem Dynamics of Marginal Seas.

The Open Science Meeting was a celebration of GLOBEC and its achievements. PICES now looks forward to collaboration with IMBER, the Integrated Marine Biogeochemistry and Ecosystem Research project that will attempt to address GLOBEC's unresolved research questions.



Left: Julia Yazvenko of the PICES Secretariat putting a PICES booth in order at the 2009 GLOBEC OSM; right: Keen interest being shown in PICES publications by the participants.