

Coordination of Polar Data Management Post-IPY

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The International Polar Year was an unprecedented global scientific effort to better understand the Polar environment through collaborative multi-disciplinary research. This has produced enormous volumes of data that are both highly valuable and complex; valuable because these data represent a major output from a global investment in excess of \$400 Million (USD) in new funding in addition to ongoing annual science funding; complex, because these data span the spectrum of research from the microbe to the magnetosphere, including the human dimension (health, society, economics, traditional knowledge). This resource requires a dedicated coordination effort to maintain the momentum gained in data management during IPY and to ensure that this resource is preserved and made available for current and future science.

During IPY, CODATA supported the IPY Data Policy and Management Subcommittee as a Task Group dedicated to the coordination of data management efforts during IPY. This Task Team, co-chaired by Taco de Bruin and Mark Parsons, developed an IPY data policy, established the IPY Data and Information Service (IPYDIS) to support data providers and coordinators throughout the IPY observing years, and, laid the foundations for the emerging Polar Information Commons.

The continuation of this task team has been proposed to CODATA to carry on the work of the IPY Data Policy and Management Subcommittee and by doing so, implement the recommendations delivered in the State of Polar Data Report that was submitted at the Oslo IPY Science Conference. We will present the objectives of the task team which include:

- recommendations for the responsible and durable governance of the coordination of polar data;
- harmonizing data policies between disciplines;
- recommendations to improve data integration in the polar sciences;
- assess performance of existing polar data networks, and;
- engagement of national and international funding agencies to ensure they have data policies in place