

THE STATE OF IPY DATA: JAPANESE CONTRIBUTION AND LEGACY

KANAO, Masaki^{1*}, KADOKURA, Akira¹, OKADA, Masaki¹, YAMANOUCHI, Takashi¹

¹National Institute of Polar Research

Diverse data accumulated by many science projects make up the most significant legacy of the International Polar Year (IPY2007-2008). The Polar Data Center (PDC) of the National Institute of Polar Research (NIPR) has a responsibility to manage these data for Japan as a National Antarctic Data Center (NADC) and as the World Data Center (WDC) for Aurora. During IPY, a significant number of multidisciplinary metadata records have been compiled from IPY- endorsed projects with Japanese activity. A tight collaboration has been established between the Global Change Master Directory (GCMD), the Polar Information Commons (PIC), and the newly established World Data System (WDS).

The status of IPY data-management in Japan has been summarized in this presentation. Many dedicated data service tasks have been conducted by the staffs of PDC in NIPR as a member of NADC under SCAR. Several different aspects of scientific data collected in the polar region have great significance for global environmental research in this century. To construct an effective framework for long-term strategy of the polar data, data must be made available promptly and new Internet technologies such a repository network service like the PIC must be employed.

In addition to the activities in polar science communities of SCAR and the International Arctic Science Committee (IASC), tighter linkages must be established with other cross-cutting science bodies under ICSU, such as CODATA, and WDS. Linkages among these data-management bodies need to be strengthened in the post IPY era.

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