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Present Status on Science Meta-Database and Japanese National Antarctic Data Center (NADC)

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Polar Data Center (PDC) in the National Institute of Polar Research (NIPR) is in charge of the management of Antarctic data involving Japanese programs. In addition, World Data Center (WDC) for Aurora which was established in 1981 following a recommendation by the WDC panel of ICSU (International Council of Scientific Unions) belongs to PDC. PDC has significant task responsible for archiving and delivering the digital data obtained by Japanese scientists in the polar region. The summarized information of all archived data (metadata) is offered via Internet from the 'polar science data library system (POLARIS)' not only to collaborative researchers but also to general interests (URL; <http://polaris.nipr.ac.jp/~dbase/e/>). The compiled metadata include several kinds of observed data, such as long-term monitoring, short-term project, corrected by both Arctic and Antarctic regions particularly by Japanese Antarctic Research Expedition (JARE). More than 120 metadata have been accumulated by January 2010, and the metadata for ongoing projects including IPY and eGY (electronic Geophysical Year) will be ensured to be compiled. The Science Data Base provided by the PDC has intimate collaboration with the Arctic / Antarctic Master Directories in the Global Change Master Directory (AMD/GCMD) of NASA, as one of the chief contribution to National Antarctic Data Center (NADC) requested by Standing Committee on Antarctic Data Management (SCADM) of SCAR.

Keywords: Metadata, portal server, National Data Center, Antarctic Master Directory, SCADM, International Polar Year