

Collaboration between data repository and data Journal -Case of National Institute of Polar Research-

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The National Institute of Polar Research (NIPR) has acquired a wide variety of polar science data through Japanese Antarctic Research Expedition and Arctic research. The data published have been carried out through a "JARE data reports" and "NIPR Arctic Data Reports". Arctic Data archive System (ADS) was also developed as a data management and publishing system. Furthermore the ADS, also started giving data DOI as a system for providing a permanent link to the published data. In NIPR, data subject to quality control was targeted as a condition for giving data DOI. In order to guarantee the quality of data, NIPR discussed utilization of peer review framework in data journal and reconsidered the role of "JARE data reports" and "NIPR Arctic Data Reports", and launched a new data journal "Polar Data Journal (PDJ)" with the aim of distributing quality-controlled actual data. ADS plays a role as the main data repository of "Polar Data Journal". Collaboration between PDJ and ADS contributes to the evaluation of scientific data as scientific assets and research achievements, and it will contribute to the promotion of open science.

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