

# Data Management of Arctic Project in Japan

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Arctic Data archive System (ADS), to promote the mutual use of the data across a multi-disciplinary to collect and share data sets, such as observational data, satellite data, and numerical experiment data. Through these data sets, clarify of actual conditions and processes of climate change on the Arctic region, and further contribute to assessment of the impact of global warming in the Arctic environmental change, to improve the future prediction accuracy.

A new project of the Arctic research (ArCS II :Arctic Challenge for Sustainability II) has been started in 2020. ArCS II is a national flagship project funded by the Ministry of Education, Culture, Sports, Science and Technology(MEXT). The National Institute of Polar Research (NIPR), Japan Agency for Marine-Earth Science and Technology (JAMSTEC) and Hokkaido University are playing the key roles in this project, and will continue to carry it out for approximately four-and-a-half years from June 2020 to March 2025. Arctic Data archive System (ADS) is responsible for the data management of this project.

ADS has granted data DOIs as a system that provides a permanent link to publicly available data.

On the other hand, the Institute of Polar Research publishes a data journal, the Polar Data Journal, for the purpose of distributing quality-controlled real data.

The ADS serves as the primary data repository for the Polar Data Journal. PDJ and ADS contribute to the evaluation of scientific data as scientific assets and research achievements in the ArCS II project..



Figure 1. Top page of ADS