

For incentive improvement of data registration - In case of Arctic data Archive System in NIPR -

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In the National Institute of Polar Research, perform the integration and sharing of data across a multi-disciplinary such as atmosphere, ocean, snow and ice, land, ecosystem, model, for the purpose of cooperation and integration across disciplines, we build the Arctic Data archive System (ADS). 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. Currently, researchers have been uploaded various data. To promote the data registered by researchers, it is necessary to provide the benefits for researchers.

Now, Japan Link Center (JaLC) performs the investigation of DOI mechanisms of research data, even in Japan has enabled DOI given to research data. DOI is a digital object identifier, and is an identifier given permanent link to a document, etc. on the Internet. It makes possible for researchers to cite the data used in a scientific publication, which is called "data citation". DOI of research data for researchers to use, not only the citation data to scientific papers is simplified, and also by obtaining the metadata, search of data is become easily. On the other hand, data contributors become possible to be right evaluated and rewards for their published data in the same way as for scientific publications. However, the DOI registration to JaLC is just structure, and can be technically given about any kind of data without quality. The responsibility for the data quality and long term storage and keeping permanent link of data is in the DOI publisher side. National Institute of Polar research started discussion to giving DOI to scientific data. In this presentation, we will presentation the discussion situation.

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