

Activities of the Polar Environment Data Science Center

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Polar Environment Data Science Center (PEDSC) has been established in the Joint Support-Center for Data Science Research (DS) of the Research Organization of Information and Systems (ROIS) in 2017. Purpose of the PEDSC is to promote collaboration with and effective utilization of the data obtained by the research activities in the polar regions, and to play a role as a center of the data activities of polar science to contribute to the global environment research. Activity of the PEDSC is closely related with the research activities of the National Institute of Polar Research (NIPR) in the Antarctic and Arctic regions in various research fields of Space and Upper Atmospheric Sciences, Meteorology and Glaciology, Geoscience, and Bioscience. Various data have been obtained by such various activities in various forms as digital sequential data, material samples, image data, etc., and have been recorded, stored, and archived in various databases in various forms. One of the first targets of the PEDSC is to survey the current status of the various databases and construct a synthetic database to access to the various databases easily, and to open the various data to users obviously. In our presentation, an abstract of the activities of the PEDSC now and in future will be introduced.