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Experimental attempts of using the Wiki-based cooperation support system

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I will introduce my experiences to manage some wiki-based cooperating systems. Example-1) A web-based knowledge sharing system was experimentally developed on the LAN using the INTERSAT communication system, at Syowa Station during the wintering period of the 47th Japanese Antarctic Research Expedition. The system works on wiki, which is a collaborative technology for organizing information on web sites. Wiki allows users to catch up on information produced by various activities at the station to date, linking and tracing among a large number of pages. A number of wiki systems have been developed under the GNU General Public License. JARE47 experimentally introduced a PukiWiki system in which all data are stored in hypertext format, and binary files can be attached to any pages. PukiWiki is able to extend its functions by using plug-ins, which allow users to modify the system. The wiki at Syowa Station was started on a small scale and expanded to permit storage of data entered by individual members, and to permit sharing of information up to date among all members, becoming a portal site for wintering members. During the complicated operations in summer season when many groups pursued the individual field activities, wiki played an important role for reconfirming and modifying procedures among members, as the key station around the Syowa area. Example-2) The Hokkaido Branch of the Japanese Society of Snow and Ice has established a "snow and ice disaster research team" to investigate in an expeditious way since 2007. The activity of the team is supported and under cover of an IT-based information system in many scenes, such as collection and exchange of information on disasters and hazards, as a commanding channel between the field and the head office, editing the field reports or press release statements.

Keywords: Wiki, Antarctic Research Expedition, Snow and Ice Hazard, Web Site