

C01-O11

DEVELOPMENT OF ONLINE VISUALIZATION TOOL "VISION"

Takeshi Sugimura (*National Institute of Polar Research, Japan*)

Takeshi Terui (*National Institute of Polar Research, Japan*)

Hironori Yabuki (*National Institute of Polar Research, Japan*)

sugimura.takeshi@nipr.ac.jp

We are constructing the online archive system of the data about Arctic research which many researchers and institutes have collected, which names ADS (Arctic Data archive System). We aim at that the many researchers specializing in the various fields of the Arctic research - such as atmosphere, ocean, land, physical and chemical analysis and computer simulation, etc. - can become to mutually use their data across their own fields through our archive. For this purpose, it is necessary not only to manage data systematically, but to build the system that researchers can easily grasp the contents of the data archive. However, in the first place it is hard to exactly understand the contents of the data that others made. The researchers try to understand the contents of the data of their own fields and succeed in many cases. But it is not easy for them even to judge about the contents of the data out of their fields.

Therefore, we developed GUI-based online data visualization application named "VISION", which all the researchers engaged in Arctic research can easily operate. It can be expected that "VISION" facilitates a sharing and understanding the data of the various fields of Arctic research among researchers, and then the researchers become also use the data out of their own fields. In this lecture, we will introduce a structure and function of this "VISION" and demonstrate the operation of "VISION".

