Japan Geoscience Union Meeting 2013

(May 19-24 2013 at Makuhari, Chiba, Japan)

©2013. Japan Geoscience Union. All Rights Reserved.



U05-P06

Room:Convention Hall

Time:May 22 18:15-19:30

Frontier of polar science: study on global environmental change through development of Antarctic and Arctic observations

Kazuyuki Shiraishi^{1*}, Takuji Nakamura¹, Tetsuo Ohata², Kaoru Sato³

¹National Institute of Polar Research, ²Japan Consortium for Arctic Envitonmental Research, ³Graduate school of science, the University of Tokyo

The goal of this nation-wide project is a break-through of the earth planet science by means of investigation of the past, and precise observation of the present in the polar regions, the Antarctic and the Arctic, for understanding the future of our planet, the earth. The project consists of three major items. Coordinated observations of the Antarctic with emphasis on inland observatory, study of environmental change in the Arctic, and observations by bipolar huge atmospheric radars. Also included are high precision VLBI observations, and development of infrastructure for data archive and services.

Keywords: Polar science, global envitonment, climage change, Antarctic observation, Arctic observation