

**GRENE 事業北極気候変動分野の季節積雪に関する研究**  
Research related to seasonal snow cover in the Arctic Climate Change Project as one of GRENE programs

杉浦 幸之助<sup>1\*</sup>, 榎本 浩之<sup>2</sup>

SUGIURA, Konosuke<sup>1\*</sup>, ENOMOTO, Hiroyuki<sup>2</sup>

<sup>1</sup> 海洋研究開発機構, <sup>2</sup> 国立極地研究所

<sup>1</sup>Japan Agency for Marine-Earth Science and Technology, <sup>2</sup>National Institute of Polar Research

The Arctic Climate Change Project as one of Green Network of Excellence (GRENE) programs in collaboration with various research communities has started since 2011.

Seasonal snow cover will be significantly affected by climate change, and changes in seasonal snow cover can affect climate through various feedback mechanisms. Towards a better understanding of the role of seasonal snow cover in the Arctic, research related to seasonal snow cover is mainly dealt with in a research theme entitled "Role of snow, glacier and ice sheet in the Arctic under global warming" to contribute to GRENE goals such as 1) Elucidation of Polar Amplification mechanism on warming in the Arctic region, and 2) Elucidation of role of the Arctic region in global climate change and its prediction. This presentation will describe the outline and progress of the plan.

キーワード: 季節積雪, 北極, 気候変動

Keywords: seasonal snow cover, the Arctic, climate change