

## Introduction of the ICARP III final Report

\*Yuji Kodama<sup>1</sup>, Atsuko Sugimoto<sup>2</sup>, Teruo Aoki<sup>3</sup>

1.National Institute of Polar Research, 2.Hokkaido University, 3.Meteorological Research Institute

International Arctic Science Committee (IASC, Secretariat: Potsdam, Germany) has announced the final report of the Third International Conference on Arctic Research Planning (ICARPIII). The ICARP is an event which is hosted by IASC, and has been held every 10 years. The ICARP III symposium was held in ASSW (Arctic Science Summit Week) 2015 in Toyama, Japan, and announced Toyama Conference Statement, which became the base of this final report. The "Long-term plan for Arctic Environmental Research", which is produced by the Japan Consortium for Arctic Environmental Research (JCARE), is referred in the final report.

The final report presented three key messages as Arctic research priorities for next decades: 1) The role of the arctic in the global system, 2) Observing and predicting future climate Dynamics and ecosystem responses, 3) Understanding the vulnerability and resilience of Arctic environments and societies and supporting sustainable development. In addition, communication, traditional and local knowledge, and capacity building are shown as the overarching messages. In the concluding remarks emphases are made on the follows. New approaches, integrating scientific disciplines and bringing in local and regional right holders and stakeholders in a knowledge-based dialogue through trans-disciplinarity, co-designed, solutions-oriented science, and comprehensive, high-quality observations of the rapidly changing Arctic. ICARP III final report clearly emphasizes the importance of knowledge transfer between research community and end-users.

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