Japan Geoscience Union Meeting 2015

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Room:Convention Hall

Time:May 27 18:15-19:30

Integrated modelling of the Antarctic ice sheet, ocean and climate

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Understanding the response of climate, ocean and ice sheet of Antarctic region to forcings in the past, present and future mainly through modelling is the task of this team. As a highest priority, the team develops newly the ice sheet model which deals with the interaction between ice sheet-ice shelf and ocean in order to understand the behaviour of grounding line of ice sheet which and the threshold of condition of substantial retreat. Ocean and ice sheet behaviors in decadal to centennial time scale at present and in the near future as well as the paleoclimate time scale of glacial-interglacial cycle and Plio-Pleistocene change are of interest. We would like to discuss the topics that are needed to be modeled for the Japanese community in this field.

Keywords: Antarctica, climate model

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