

極域の氷床－気候システムの過去と将来：モデリングと観測の共同研究を目指して

Exploring the Past and Future of the ice sheet- climate system

*阿部 彩子^{1,2,3}

*Ayako Abe-Ouchi^{1,2,3}

1. 東京大学大気海洋研究所、2. JAMSTEC、3. 国立極地研究所

1. Atmosphere and Ocean Research Institute, The University of Tokyo, 2. JAMSTEC, 3. NIPR

In this talk, we show the importance of the polar region, which shows the largest sensitivity in climate change in the world. We focus on ice sheet changes since it is an indicator of large climate change and sea level change in the past earth history. I will show topics on Polar amplification in the earth history, bipolar seesaw mechanism for millennial-scale abrupt climate changes, and Tipping elements of ice sheet-climate system, which all require strategic research.

キーワード：気候、氷床、極域

Keywords: climate, ice sheet, polar region