Research Projects	Atmospheric studies on Arctic change and its global impacts
Principal Investigator	Jinro Ukita （Niigata University Professor）
Application ID	Position Description
3-E	The National Institute of Polar Research in Tokyo, Japan with a joint appointment at the University of Tokyo has an opening for a postdoctoral research position in atmospheric sciences with a starting date of April 1, 2013. The appointment is for the Atmospheric Science Group of the GRENE Arctic Climate Change Project (http://www.nipr.ac.jp/grene/) and initially for one year renewable for two additional years based on performance and contingent upon availability of funding. Responsibilities include investigating (i) transport processes of aerosols, aerosol impacts on radiation and cloud for the northern hemisphere, (ii) the roles of clouds in the radiation field in the northern high latitudes using WRF, WRF-chem, or other numerical models (regional or global) and data from in situ and satellite observations. The preferred candidate should have a PhD in atmospheric sciences with experiences related to aerosols, clouds, and radiation in addition to numerical modeling. We seek a candidate who works well in a collaborative environment and who will interact closely with other scientists working on this project. Excellent verbal and written communication skills are essential. The work is conducted at the Hongo Campus of the University of Tokyo, (Tokyo, Japan) and the salary includes full benefits. Candidates should submit an application form to National Institute of Polar Research. For more information on the research specifications, please contact Dr. Makoto Koike (koike@eps.s.u-tokyo.ac.jp), Associated Professor, University of Tokyo.

Research Projects	Improvement of coupled general circulation models based on validations of Arctic climate reproducibility and on mechanism analyses of Arctic climate change and variability		
Principal Investigator	Toru Nozawa (National Institute for Environmental Studies , Section head)		
Application ID	Position Description	Number of positions	Recruitment coordinator
1-D	The objective of this work is to investigate the arctic warming and arctic amplification and to quantify the role of atmosphere, ocean, land and cryosphere through the feedback analysis of arctic climate system of the model experiments from the past to the future using mainly MIROC GCM and some multi-model analysis. The work mainly involves: - factorial analysis of the sea ice and ice sheet loss which is recently observed and their relation to the arctic amplification, - analyzing sensitivity experiments with MIROC GCM to understand the involved mechanism of the arctic amplification, and - the analysis and understanding of the model bias such as warm bias and its relation to polar amplification. The experience in analysis of climate model outputs/experiments are needed for the job.	1	THE UNIVERSITY OF TOKYO Atmosphere and Ocean Research Institute Ayako Abe , Associate Professor TEL：+81-4-7136-4405 E-mail：abeouchi@aori.u-tokyo.ac.jp