

Research topic	Studies on greenhouse gas cycles in the Arctic and their responses to climate change		
Principal Investigator	Dr. Shuji Aoki (Graduate School of Science Tohoku University)		
application ID	details	number of positions	recruitment coordinator
5-G	<p>1. Research content Our research activity will involve use of a chemistry transport model for estimating surface fluxes by inverse modeling of atmospheric CH₄. Efforts will be made, using CH₄ mixing ratio as well as isotope data, for linking the surface fluxes variability and trends with climate variables, such as the air temperature, rain/snow fall, and water inundated area in the boreal ecosystems. The inversion results will be analyzed in comparison with those from terrestrial ecosystem model results.</p> <p>2. Application requirements Candidates must have a Ph D in atmospheric science related fields with proven records of excellent oral and written communications skills. Advanced knowledge in FORTRAN programing, large dataset handling, visualization software, and UNIX OS environment are required.</p>	1	<p>Japan Agency for Marine-Earth Science and Technology (JAMSTEC) Department of Environmental Geochemical Cycle Research</p> <p>Prabir K. Patra</p> <p>Tel : 045-778-5727 Fax : 045-778-5496 E-mail: prabir@jamstec.go.jp</p>