

Principal Researcher	Yoshiyuki Fujii			Number of Researchers	11	
Research Institution • Department • Title	Professor, Arctic Environment Research Center, National Institute of Polar Research			Location of Institution	Tokyo	
Title of Project	Study on abrupt climate and environment changes during glacial cycles by high time resolution analyses of polar ice cores					
Abstract of Research Project	<p>Studies of a 2503 m deep ice core from Dome Fuji, Antarctica showed the occurrences of a number of abrupt climate and environment changes during three glacial cycles. Objectives of the research project are 1. to establish high time resolution analysis of the deep ice core from Dome Fuji, 2. to reconstruct detailed climatic and environment changes with yearly time scale, and 3. to study scenarios caused the abrupt changes in climate and environment. Particularly, we will search the role of huge volcanic events, iceberg discharges, biomass burning, dust storms and other environment events in the abrupt climate changes.</p>					
References	<p>Fujii, Y. and 11 others (1999): Tephra layers in the Dome Fuji (Antarctica) deep ice core. <i>Annals of Glaciology</i>, 29, 126-130.</p> <p>Fujii, Y. And 4 others (2003): A 320 k-year record of microparticles in the Dome Fuji, Antarctica ice core measured by laser-light scattering. <i>Mem. Natl Inst. Polar Res., Special Issue</i>, 57, in press.</p>					
Term of Project	Fiscal years 2003-2007 . (5years)					
Budget Allocation (in thousand of yen)	FY2003	FY2004	FY2005	FY2006	FY2007	TOTAL
	23,500	31,200	9,900	9,900	12,200	86,700
Homepage Address	None					