

CENTER FOR GLOBAL ENVIRONMENTAL RESEARCH

The Center for Global Environmental Research (CGER) was established on 1st October 1990 in the National Institute for Environmental Studies, with the aim of contributing broadly to the elucidation of, and solution for, our pressing environmental problems. The Center will achieve this goal through the following three main functions.

1. Integration of studies on the global environment			
a. Research integration		M 003-'93	based on the Input-Output Analysis
-Conference/seminar for information exchange on global change research.		M 004-'94	MONITORING REPORT ON GLOBAL ENVIRONMENT-1993-
-Integrated Research to seek comprehensive measures to propose policy options to the global environmental problems.		I 001-'92	MONITORING REPORT ON GLOBAL ENVIRONMENT-1994-
b. Guest Principal Researcher & Guest Researcher		I 009-'93	GLOBAL WARMING AND ECONOMIC GROWTH
-Guest Principal Researcher system to get the advice and guide for various research programs.		I 010-'94	The Potential Effects of Climate Change in Japan
-Guest Researcher system for cooperative research programs.		I 011-'94	CGER'S SUPERCOMPUTER ACTIVITY REPORT 1992 Vol. 1
2. Support for global environmental research		I 014-'94	Global Carbon Dioxide Emission Scenarios and Their Basic Assumptions
a. Database		I 015-'94	PROCEEDINGS OF THE TSUKUBA OZONE WORKKSHOP
-CGER database system designed for the global environmental research and decision making.		I 016-'94	IPCC Technical Guidelines for Assessing Climate Change Impact and Adaptations
-GRID-Tsukuba Center for distributing UNEP global environmental data		I 018-'95	CGER'S SUPERCOMPUTER ACTIVITY REPORT Vol. 2-1993
b. Supercomputer		I 019-'96	PROCEEDINGS OF THE TSUKUBA GLOBAL CARBON CYCLE WORKSHOP - GLOBAL ENVIRONMENT TSUKUBA '95
-Supercomputer System (NEC SX-3 model 14) for the numerical simulation of global changes.		I 020-'95	Global Warming, Carbon Limitation and Economic Development
c. Other Center facilities		I 021-'96	CGER's Supercomputer Activity Report Vol. 3-1994
-laboratories, conference and large scale experimental facilities for studies of global change research.		I 022-'96	CGER's Supercomputer Monograph Report Vol. 1 (Turbulence) Structure and CO ₂ Transfer at the Air-Sea Interface and Turbulent Diffusion in Thermal-Stratified Flows)
3. Global Environmental Monitoring		I 025-'97	CGER's Supercomputer Monograph Report Vol. 1 (A Transient CO ₂ Experiment with the MRCGCM - Annual Mean Response-)
a. Stratospheric ozone		I 024-'96	CGER's Supercomputer Activity Report Vol. 4-1995
-Monitoring of stratospheric ozone trend by Ozone Laser Radar and satellite.		I 028-'97	CGER's Supercomputer Monograph Report Vol. 3 (Study on the Climate System and Mass Transport by a Climate Model)
b. Atmospheric trace gases			CGER's Supercomputer Monograph Report Vol. 4 (Development of a global 1-D chemically radiatively coupled model and an introduction to the development of a chemically coupled general circulation)
-Monitoring of distributions and trends of atmospheric trace gases on airplane and at land-based station (Monitoring Station-HATERUMA).			
c. Marine pollution			
-Monitoring by vessels			
d. Global vegetation			
-Monitoring of the variation of vegetation on global and regional scale by satellite and airplane.			
Publications (in English)			
CGER No.	Title		
D 006-'94	GRID DATA BOOK		
D 007(CD)-'95	Collected Data of High Temporal-Spatial Resolution Marine Biogeochemical Monitoring by Japan-Korea Ferry (June 1991-February 1993)		
D 008-'95	GRID-TSUKUBA		
D 009-'96	Data Book of Sea-Level Rise		
D 0012(CD)-'97	Collected Data of High Temporal-Spatial Resolution Marine Biogeochemical Monitoring from Ferries in the east Asian Marginal Seas		
D 0013-'97	Data Book of DESERTIFICATION/LAND DEGRADATION		
D 0015(CD)-'97	Time series of Phytoplankton Biomass Distribution over the Northwestern Pacific Area by Monthly Composite Images from Nimbus 7-DZCS Data		
D 0016-'97	Carbon dioxide emission intensity		

Copies of CGER's publications can be obtained from:

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