

# CGER'S SUPERCOMPUTER ACTIVITY REPORT

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Center for Global Environmental Research



National Institute for Environmental Studies  
Environment Agency of Japan



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NIES : National Institute for Environmental Studies  
CGER : Center for Environmental Research  
EIC : Environmental Information Center

## Foreword

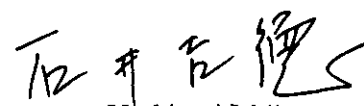
The Center for Global Environmental Research (CGER), an organ of the National Institute for Environmental Studies of the Environment Agency of Japan, was established in October 1990 to contribute broadly to the scientific understanding of global change and the elucidation of and solutions for our pressing environmental problems. CGER conducts environmental research from interdisciplinary, multi-agency and international perspectives, provides research support facilities such as databases and a supercomputer, and offers its own data from long-term monitoring of the global environment.

In March 1992, CGER installed a supercomputer system (NEC SX-3, model 14) to facilitate research on global change. The system is open to environmental researchers worldwide. Proposed research programs are evaluated by the Supercomputer Steering Committee which consists of leading scientists in climate modeling, atmospheric chemistry, oceanic circulation and computer science. After project approval, authorization for system usage is provided. In 1993, one research proposal was designated as priority research and allocated larger shares of computer resources.

Volume 3 of this annual report compiles results of selected research activities of users of CGER's supercomputer during fiscal 1994. The papers are classified into four categories: Climate Modeling, Atmospheric and Oceanic Environment Modeling, Geophysical Fluid Dynamics and Others. The report also includes an overview of the supercomputer facilities. However this annual report does not include results from the priority research or frequent user's activities of the CGER's supercomputer. The results of priority research or frequent user's report will be published in the CGER supercomputer monograph series.

We hope this report provides you with useful information on the global environmental research being conducted on our supercomputer. Please do not hesitate to comment freely, directly to the Research Integration Section of CGER, so that subsequent reports both truly reflect and effectively foster cooperation throughout the community of scientists using this supercomputer.

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Yoshinori Ishii

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