

## Preface

The Center for Global Environmental Research (CGER) of the Environment Agency of Japan's National Institute for Environmental Studies (NIES) provides research support facilities such as a supercomputer and databases for global environmental research activities.

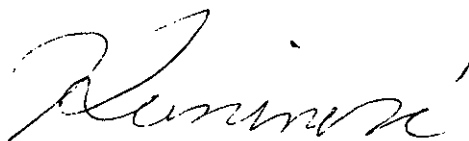
CGER's supercomputer is open to researchers internationally for any global environmental research applications. Users need to be authorized for such usage every fiscal year. CGER is responsible for efficient allocation of supercomputer resources for each research subject, such as CPU time and memory, sufficient for the research plans recommended by the Supercomputer Steering Committee, consisting of scientists.

NIES's Environmental Information Center (EIC) manages routine operations of the supercomputer system. This system is operated with close and cordial communications between users and the managing staff, including daily consultation by the system engineers.

This CGER supercomputer monograph is the second publication to disseminate research progress achieved by user of the supercomputer facilities set up by CGER. The system's CPU time and memory were fully occupied in fiscal year 1993 (from April 1993 to March 1994), demonstrating that the needs of researchers for this facility have been very high and that users from national research institutes and universities have fully utilized the system. We provided high-priority resource allocation to a group at the Meteorological Research Institute, in consideration of their prospective contribution to international frontier research activities on climate change modeling, after assessing their research plan.

The results of this research have contributed to the IPCC Second Assessment Report and we hope they will contribute to further progress in global change research and efforts for global environmental conservation.

February 1996



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