

Contributors

Editors

- T. Matsuno, Frontier Research System for Global Change, Institute for Global Change Research, 3173-25 Showa-machi, Kanazawa-ku, Yokohama 236-0001, Japan, iharah@jamstec.go.jp
- H. Kida, Department of Geophysics, Graduate School of Science, Kyoto University, Kitashirakawa-oiwake-cho, Sakyo-ku, Kyoto 606-8502, Japan, kida@kugi.kyoto-u.ac.jp

Contributors

- A. Abe-Ouchi, Center for Climate System Research (CCSR), University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8904, Japan, abeouchi@ccsr.u-tokyo.ac.jp
- H. Akimoto, Atmospheric Composition Research Program, Frontier Research System for Global Change, Institute for Global Change Research, 3173-25 Showa-machi, Kanazawa-ku, Yokohama 236-0001, Japan, akimoto@jamstec.go.jp
- H. Akiyoshi, Global Environment Research Group, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-0053, Japan, hakiyosi@nies.go.jp
- G. A. Alexandrov, National Institute for Environmental Studies, Onogawa 16-2, Tsukuba, Ibaraki 305-0053, Japan, g.alexandrov@nies.go.jp
- G. P. Brasseur, Max-Planck-Institute for Meteorology, Bundesstr. 55, D-20146 Hamburg, Germany, brasseur@dkrz.de
- J. P. Caspersen, Department of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ 08540, USA, jpc@eno.princeton.edu
- R. E. Dickinson, Department of Earth and Atmospheric Sciences, Georgia Institute of Technology, 221 Bobby Dodd Way, Atlanta, GA 30332-0340, USA, robtred@eas.gatech.edu
- S. Emori, Atmospheric Environment Division, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-0053, Japan, emori@nies.go.jp
- G. Fischer, Land Use Change Project, International Institute for Applied Systems Analysis, School Platz 1, Laxenburg A-2361, Austria, fisher@iiasa.ac.at
- I. Fung, Center for Atmospheric Sciences, University of California, Berkeley, Berkeley, CA 94720-4767, USA, ifung@uclink4.berkeley.edu
- T. Hara, Institute of Low Temperature Science, Hokkaido University, N19W8, Kita-ku, Sapporo 060-0819, Japan, t-hara@orange.lowtem.hokudai.ac.jp

- T. Hayasaka, Center for Atmospheric and Oceanic Studies, Graduate School of Science, Aoba, Tohoku University, Aramaki, Aoba-ku, Sendai, Miyagi 980-8578, Japan, hayasaka@monbu.go.jp
- A. Higurashi, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-8506, Japan, hakiko@nies.go.jp
- L. Horowitz, Princeton University and NOAA Geophysical Fluid Dynamics Laboratory, P.O. Box 308, Princeton, NJ 08542-0308, USA, lwl@gfdl.noaa.gov
- S. Huang, Center for Environmental Remote Sensing, Chiba University, 1-33 Yayoi-cho, Inage-ku, Chiba 263-8522, Japan, shaobo@rsirc.cr.chiba-u.ac.jp
- G. C. Hurtt, Complex Systems Research Center, Durham, Institute for the Study of Earth, Oceans and Space, University of New Hampshire, NH 03824, USA, george.hurtt@unh.edu
- T. Ichinose, Center for Global Environmental Research, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-0053, Japan, toshiaki@nies.go.jp
- A. Ito, Frontier Research System for Global Change, Institute for Global Change Research, 3173-25 Showa-machi, Kanazawa-ku, Yokohama 236-0001, Japan, itoh@jamstec.go.jp
- H. Iwabuchi, Center for Atmospheric and Oceanic Studies, Tohoku University, Aza-aoba, Aramaki, Aoba-ku, Sendai, Miyagi 980-8578, Japan, buchi@caos-a.geophys.tohoku.ac.jp
- M. Kageyama, Laboratoire des Sciences du Climat et de l'Environnement, Laboratoire des Sciences du Climat et de l'Environnement, Batiment 709 l'Orme des Merisiers, 91191 Gif-sur-Yvette Cedex, France, masa@lsce.saclay.cea.fr
- M. Kainuma, Head of Global Warming Response Team, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-0053, Japan, mikiko@nies.go.jp
- K. Kawamoto, Virginia Polytechnic Institute and State University and also NASA Langley Research Center, Virginia, USA, k.kawamoto@larc.nasa.gov
- M. Kimoto, Center for Climate System Research, University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8904, Japan, kimoto@ccsr.u-tokyo.ac.jp
- F. Kimura, Institute of Geoscience, University of Tsukuba, 1-1 Tennoudai, Tsukuba, Ibaraki 305-8571, Japan, fkimura@baro.geo.tsukuba.ac.jp
- A. Kitoh, 1st Research Laboratory, Climate Research Department, Meteorological Research Institute, Nagamine 1-1, Tsukuba, Ibaraki 305-0052, Japan, kitoh@mri-jma.go.jp
- T. Koike, Department of Civil Engineering, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656, Japan, tkoike@hydra.t.u-tokyo.ac.jp

- N. Kuba, Hydrological Cycle Research Program, Frontier Research System for Global Change, Institute for Global Change Research, 3173-25 Showa-machi, Kanazawa-ku, Yokohama 236-0001, Japan, kuba@jamstec.go.jp
- J. Kurokawa, Fujitsu FIP, 2-45 Aomi, Koutou-ku, Tokyo 135-8686, Japan, kurokawa@fip.co.jp
- E. Lambin, Department of Geography, Universite catholique de Louvain, 3 pl. Pasteur, Louvain-la-Neuve, B-1348, Belgium, lambin@geog.ucl.ac.be
- D. P. Lettenmaier, Department of Civil & Environmental Engineering, University of Washington, Box 352700, Seattle, WA 98195, USA, dennisl@u.washington.edu
- X. Li, Department of Civil Engineering, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-8656, Japan, li@hydra.t.u-tokyo.ac.jp
- K. Mabuchi, Environmental and Applied Meteorological Research Department, Meteorological Research Institute, 1-1 Nagamine, Tsukuba, Ibaraki 305-0052, Japan, kmabuchi@mri-jma.go.jp
- S. Manabe, Global Warming Research Program, Frontier Research System for Global Change, Institute for Global Change Research, 3173-25 Showa-machi, Kanazawa-ku, Yokohama 236-0001, Japan, sm@jamstec.go.jp
- K. Maruyama, Frontier Research System for Global Change, Institute for Global Change Research, 3173-25 Showa-machi, Kanazawa-ku, Yokohama 236-0001, Japan, maruyama@jamstec.go.jp
- T. Masui, Global Environmental Research Division, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-0053, Japan, masui@nies.go.jp
- Y. Matsuoka, Department of Environmental Engineering, Kyoto University, Yoshidahonmachi, Sakyo-ku, kyoto 606-8501, Japan, matsuoka@envhost.env.kyoto-u.ac.jp
- P. R. Moorcroft, Department of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ 08544-1003, USA, paul@eno.princeton.edu
- T. Morita, Socio-environmental System Division, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-0053, Japan, t-morita@nies.go.jp
- J.-F. Müller, 3, Avenue Circulaire, Belgian Institute for Space Aeronomy, 1180 Brussels, Belgium, jfm@oma.be
- T. Nagashima, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-0053, Japan, nagashima.tatsuya@nies.go.jp
- T. Nakajima, Center for Climate System Research, University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8904, Japan, teruyuki@ccsr.u-tokyo.ac.jp
- H. Nakane, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-0053, Japan, nakane@nies.go.jp
- A. Noda, Climate Research Department, Meteorological Research Institute, Nagamine 1-1, Tsukuba, Ibaraki 305-0052, Japan, noda@mri-jma.go.jp

- T. Nozawa, Atmospheric Environment Division, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-0053, Japan, nozawa@nies.go.jp
- A. Numaguti, Graduate School of Environmental Earth Science, Hokkaido University, Kita 10 Nishi 5, Kita-ku, Sapporo 060-0810, Japan, numa@ees.hokudai.ac.jp
- T. Oikawa, Institute of Biological Sciences, University of Tsukuba, 1-1-1 Tennoudai, Tsukuba, Ibaraki 305-8572, Japan, oikawa@oak.biol.tsukuba.ac.jp
- T. Oki, Institute of Industrial Science, University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8505, Japan, taikan@iis.u-tokyo.ac.jp
- S. W. Pacala, Department of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ 08544-1003, USA, steve@eno.princeton.edu
- W. R. Peltier, Department of Physics, University of Toronto, 60 St. George St., Toronto, Ontario, M5S-1A7, Canada, peltier@atmosph.physics.utoronto.ca
- R. A. Pielke, Sr., Department of Atmospheric Science, Colorado State University, Fort Collins, CO 80523, USA, pielke@hercubs.atmos.colostate.edu
- Y. Sato, Environmental and Applied Meteorological Research Department, Meteorological Research Institute, JMA, 1-1 Nagamine, Tsukuba, Ibaraki 305-0052, Japan, ysato@mri-jma.go.jp
- R. Shibasaki, Center for Spatial Information Science, University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8508, Japan, shiba@skl.iis.u-tokyo.ac.jp
- L. P. Solheim, Department of Physics, 60 St. George St., Toronto, Ontario, M5S-1A7, University of Toronto, larry@atmosph.physics.utoronto.ca
- N. Stephenne, Department of Geography, University of Louvain, 3, place Pasteur, B-1348 Louvain-la-Neuve, Belgium, stephenne@geog.ucl.ac.be
- S. Sugata, Atmospheric Environment Division, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-0052, Japan, sugatas@nies.go.jp
- A. Sumi, Center for Climate System Research, University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8904, Japan, sumi@ccsr.u-tokyo.ac.jp
- A. Sumida, Institute of Low Temperature Science, Hokkaido University, N19W8, Kita-ku, Sapporo 060-0819, Japan, asumida@orange.lowtem.hokudai.ac.jp
- K. Takahashi, Social and Environmental System Division, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-0053, Japan, ktakaha@nies.go.jp
- M. Takahashi, Center for Climate System Research, University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8904, Japan, masaaki@ccsr.u-tokyo.ac.jp

- K. Takata, Frontier Research System for Global Change, Institute for Global Change Research, 3173-25 Showa-machi, Kanazawa-ku, Yokohama 236-0001, Japan, takata@jamstec.go.jp
- T. Takeda, Tottori University of Environmental Studies, 1-1-1 Wakabadai-Kita, Tottori 689-1111, Japan, tatkd@kankyo-u.ac.jp
- T. Takemura, Center for Climate System Research, University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8904, Japan, toshi@ccsr.u-tokyo.ac.jp
- A. Takenaka, Environmental Plant Science Section, Environmental Biology Division, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-0053, Japan, takenaka@nies.go.jp
- M. Takigawa, Center for Climate System Research, University of Tokyo, 4-6-1 Komaba, Meguro-Ku, Tokyo 153-8904, Japan, takigawa@ccsr.u-tokyo.ac.jp
- X. Tie, National Center for Atmospheric Research, P.O. Box 3000, Boulder, CO 80307, USA, xxtie@ucar.edu
- T. Tokioka, Sendai District Meteorological Observatory, 1-3-15 Gorin, Miyagino-ku, Sendai 983-0842, Japan, tokioka@met.kishou.go.jp
- Y. Tsushima, Frontier Research System for Global Change, Institute for Global Change Research, 3173-25 Showa-machi, Kanazawa-ku, Yokohama 236-0001, Japan, tsussi@jamstec.go.jp
- I. Uno, Research Institute for Applied Mechanics, Kyushu University, 6-1 Kasuga Park, Kasuga 816-8580, Japan, iuno@riam.kyushu-u.ac.jp
- B. Wang, Department of Meteorology, University of Hawaii, 2525 Correa Rd. Honolulu, HI 91822, USA, bwang@soest.hawaii.edu
- Y. Wang, Department of Meteorology, University of Hawaii, 2525 Correa Rd. Honolulu, HI 91822, USA, yqwang@soest.hawaii.edu
- T. Watanabe, Forestry and Forest Products Research Institute, P.O. Box 16, Tsukuba-Norin, Tsukuba 305-8687, Japan, twata@ffpri.affrc.go.jp
- O. Wild, Atmospheric Composition Research Program, Frontier Research System for Global Change, Institute for Global Change Research, 3173-25 Showa-machi, Kanazawa-ku, Yokohama 236-0001, Japan, oliver@jamstec.go.jp
- Y. Yamagata, Center for Global Environmental Research, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-0053, Japan, yamagata@nies.go.jp
- Y. Yamanaka, Graduate School of Environmental Earth Science, Hokkaido University, Kita 10, Nishi 5, Kita-ku, Sapporo 060-0810, Japan, galapen@ees.hokudai.ac.jp
- M. Yokozawa, National Institute of Agro-Environmental Sciences, 3-1-1 Kannondai, Tsukuba 305-8604, Japan, myokoz@ss.niaes.affrc.go.jp
- T. Yoshikane, Frontier Research System for Global Change, Institute for Global Change Research, 3173-25 Showa-machi, Kanazawa-ku, Yokohama 236-0001, Japan, yoshikat@jamstec.go.jp