



CMIP6 simulation data produced byMRI-ESM2.0: AerChemMIP

1. IDENTIFICATION INFORMATION

Name	CMIP6 simulation data produced byMRI-ESM2.0: AerChemMIP
Abbreviation	CMIP6.AerChemMIP.MRI.MRI-ESM2-0
DOI	doi:10.22033/ESGF/CMIP6.633 [https://doi.org/10.22033/ESGF/CMIP6.633]
Metadata Identifier	CMIP6_MRI_ESM2_0_AerChemMIP20230727100841-en

2. CONTACT

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5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

7. DATASET OVERVIEW

7.1 Abstract

This dataset contains the results of the AerChemMIP experiments produced by the Meteorological Research Institute Earth System Model version 2.0 (MRI-ESM2.0) for the Coupled Model Intercomparison Project Phase 6 (CMIP6).

This work has been carried out in the ordinary research activity of the Meteorological Research Institute: "Research on Climate and Environmental Change with Advanced Climate Modeling" (FY2014-2018), "Research on Atmosphere, Ocean, and Earth System Modeling" and "Research on Attribution and Projection of Climatic/Global Environmental Change" (FY2019-2023). A part of the CMIP6 experiments (HighResMIP) was supported by the Integrated Research Program for Advancing Climate Models (TOUGOU) Grant Number JPMXD0717935561 from the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan.

The release of this dataset was supported by the Data Integration and Analysis System (DIAS) of MEXT.

All CMIP6 data are collected, managed and published by the Earth System Grid Federation (ESGF), and DIAS serves as one node of the ESGF. All public datasets, including this dataset, are available from ESGF. Please refer to the CMIP6 Guidance for Data Users (see online info below) for information on the use of these datasets, including this dataset.

7.2 Topic Category(IS019139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	1850-01-01
End Date	2101-01-01

7.4 Geographic Bounding Box

North latitude bound	90
West longitude bound	-180
Eastbound longitude	180
South latitude bound	-90

7.5 Grid

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Climate	GEOSS

7.7.2 Keywords on Project

7.8 Online Resource

DOI landing page, Citation information : <https://doi.org/10.22033/ESGF/CMIP6.633>

Meteorological Research Institute Web site : <https://www.mri-jma.go.jp/>

CMIP6 Project Web site : <https://pcmdi.llnl.gov/CMIP6>

CMIP6 Terms of Use : <https://pcmdi.llnl.gov/CMIP6/TermsOfUse>

CMIP6 Guidance for Data Users : <https://pcmdi.llnl.gov/CMIP6/Guide/dataUsers.html>

MIP Description : <https://search.es-doc.org/>

Model Information : <https://explore.es-doc.org/cmip6/models/mri/mri-esm2-0>

ESGF, Search Variables (in LLNL) : <http://esgf-node.llnl.gov/search/cmip6>

ESGF, Search Variables (in DKRZ) : <http://esgf-data.dkrz.de/search/cmip6-dkrz>

Errata Information : <https://errata.es-doc.org/>

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
netCDF	classic	CF Convention

8. DATA PROCESSING

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

This dataset is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License (CC BY-SA 4.0).

See "CMIP6 Guidance for Data Users" for the detailed information.

<https://pcmdi.llnl.gov/CMIP6/Guide/dataUsers.html>

10.2 Data Policy by the Project

11. LICENSE

12. DATA SOURCE ACKNOWLEDGEMENT

12.1 Acknowledge the Data Provider

Cite this dataset as:

Yukimoto, Seiji; Koshiro, Tsuyoshi; Kawai, Hideaki; Oshima, Naga; Yoshida, Kohei; Urakawa, Shogo; Tsujino, Hiroyuki; Deushi, Makoto; Tanaka, Taichu; Hosaka, Masahiro; Yoshimura, Hiromasa; Shindo, Eiki; Mizuta, Ryo; Ishii, Masayoshi; Obata, Atsushi; Adachi, Yukimasa (2019). MRI MRI-ESM2.0 model output prepared for CMIP6 AerChemMIP. Version YYYYMMDD[1].Earth System Grid Federation. <https://doi.org/10.22033/ESGF/CMIP6.633>

[1] Please use the latest dataset version or if not available the latest data download date as version in your data citation.

For acknowledgement, see CMIP6 Terms of Use.

12.2 Acknowledge the Project

13. REFERENCES

Yukimoto, S., H. Kawai, T. Koshiro, N. Oshima, K. Yoshida, S. Urakawa, H. Tsujino, M. Deushi, T. Tanaka, M. Hosaka, S. Yabu, H. Yoshimura, E. Shindo, R. Mizuta, A. Obata, Y. Adachi, and M. Ishii, 2019: The Meteorological Research Institute Earth System Model version 2.0, MRI-ESM2.0: Description and basic evaluation of the physical component. *J. Meteor. Soc. Japan*, 97, 931-965, doi:10.2151/jmsj.2019-051.