


---



# CMIP6 simulation data produced by MRI-ESM2.0: OMIP

## 1. IDENTIFICATION INFORMATION

Name	CMIP6 simulation data produced by MRI-ESM2.0: OMIP
Abbreviation	CMIP6.OMIP.MRI.MRI-ESM2-0
DOI	doi:10.22033/ESGF/CMIP6.637 [ <a href="https://doi.org/10.22033/ESGF/CMIP6.637">https://doi.org/10.22033/ESGF/CMIP6.637</a> ]
Metadata Identifier	CMIP6_MRI_ESM2_0_OMIP20201008152243-en

## 2. CONTACT

### 2.1 CONTACT on DATASET

Name	Shogo URAKAWA
Organization	Meteorological Research Institute
Address	1-1 Nagamine, Tsukuba, Ibaraki, 305-0052, Japan
E-mail	surakawa@mri-jma.go.jp

Name	Hiroyuki TSUJINO
Organization	Meteorological Research Institute
E-mail	htsujino@mri-jma.go.jp

### 2.2 CONTACT on PROJECT

## 3. DOCUMENT AUTHOR

Name	Tsuyoshi KOSHIRO
Organization	Meteorological Research Institute
E-mail	tkoshiro@mri-jma.go.jp

## 4. DATASET CREATOR

Name	Seiji YUKIMOTO
Organization	Meteorological Research Institute

Name	Tsuyoshi KOSHIRO
Organization	Meteorological Research Institute

Name	Hideaki KAWAI
------	---------------

Organization	Meteorological Research Institute
Name	Naga OSHIMA
Organization	Meteorological Research Institute
Name	Kohei YOSHIDA
Organization	Meteorological Research Institute
Name	Shogo URAKAWA
Organization	Meteorological Research Institute
Name	Hiroyuki TSUJINO
Organization	Meteorological Research Institute
Name	Makoto DEUSHI
Organization	Meteorological Research Institute
Name	Taichu TANAKA
Organization	Meteorological Research Institute
Name	Masahiro HOSAKA
Organization	Meteorological Research Institute
Name	Hiromasa YOSHIMURA
Organization	Meteorological Research Institute
Name	Eiki SHINDO
Organization	Meteorological Research Institute
Name	Ryo MIZUTA
Organization	Meteorological Research Institute
Name	Masayoshi ISHII
Organization	Meteorological Research Institute
Name	Atsushi OBATA
Organization	Meteorological Research Institute
Name	Yukimasa ADACHI
Organization	Meteorological Research Institute

## 5. DATE OF THIS DOCUMENT

2020-10-08

## 6. DATE OF DATASET

publication : 2020-04-06

---

## 7. DATASET OVERVIEW

### 7.1 Abstract

This dataset contains the results of the OMIP 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(ISO19139)

climatologyMeteorologyAtmosphere

### 7.3 Temporal Extent

Begin Date	1638-01-01
End Date	2010-01-01

### 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/CMIP6.637>

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. LICENSE

### 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. DATA SOURCE ACKNOWLEDGEMENT

## 11.1 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 (2020). MRI MRI-ESM2.0 model output prepared for CMIP6 OMIP. Version YYYYMMDD[1].Earth System Grid Federation. <https://doi.org/10.22033/ESGF/CMIP6.637>

[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.

## 11.2 Acknowledge the Project

# 12. DISCLAIMER

## 12.1 Disclaimer of 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.

Copyright(c) 2006-2020 Data Integration & Analysis System (DIAS) All Rights Reserved. This project is supported by " Data Integration & Analysis System " funded by MEXT, Japan
--