DIAS CMIP5 simulation data produced by MRI-ESM1

1. IDENTIFICATION INFORMATION

Name	CMIP5 simulation data produced by MRI-ESM1
Abbreviation	CMIP5.CMIP.MRI.MRI-ESM1
Metadata Identifier	CMIP5_MRI_ESM120230727102202-en

2. CONTACT

2.1 CONTACT on DATASET

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5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

publication : 2012-01-23

7. DATASET OVERVIEW

7.1 Abstract

This dataset contains the results of the Coupled Model Intercomparison Project Phase 5 (CMIP5) experiments produced by the Meteorological Research Institute Earth System Model version 1 (MRI-ESM1).

This work has been carried out in the research activity of the Meteorological Research Institute: "Research on detailed projection of climate change over Japan due to the global warming" (FY2005-2009) and "Research on projections for climate and environmental change to contribute to the adaptation planning to the climate change" (FY2010-2013). A part of the CMIP5 experiments with MRI-AGCM3.2H/S was supported by the Innovative Program of Climate Change Projection for the 21st Century (KAKUSHIN Program) from the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan (FY2007-2011).

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

All CMIP5 data are collected, managed, and published by the Earth System Grid Federation (ESGF), and DIAS serves as an ESGF node. All public datasets, including this dataset, are available from ESGF. For information on how to use these datasets, including this dataset, see "CMIP5 Data - Getting Started" (URL is available in the online information below). Please note that an ESGF account is required to download the CMIP5 data.

Because the terms of use for CMIP5 data are different from CMIP6 in many respects, please check the following Terms of Use carefully:

https://pcmdi.llnl.gov/mips/cmip5/terms-of-use.html

Currently, all CMIP5 data, including this dataset, is classified as "unrestricted" within it.

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	1850-01-01
End Date	2300-12-31

7.4 Geographic Bounding Box

North bound latitude	90
West bound longitude	-180
Eastbound longitude	180
South bound latitude	-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
theme	GLOBAL CHANGE > Global climate models	AGU

7.7.2 Keywords on Project

7.8 Online Resource

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

CMIP5 Project Web : https://pcmdi.llnl.gov/mips/cmip5/

CMIP5 Data Terms of Use : https://pcmdi.llnl.gov/mips/cmip5/terms-of-use.html

CMIP5 Data Access Getting Started : https://pcmdi.llnl.gov/mips/cmip5/data-access-getting-started.html

ESGF, Search Variables (in LLNL) : https://esgf-node.llnl.gov/search/cmip5/?data_node=esgf-data1.diasjp.net&project=CMIP5&model=MRI-ESM1

ESGF, Search Variables (in DKRZ) : https://esgf-data.dkrz.de/search/cmip5-dkrz/?data_node=esgf-data1.diasjp.net&project=CMIP5&model=MRI-ESM1

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
netCDF	3	

8. DATA PROCESSING

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

This dataset is delivered under the condition of "CMIP5 Data Access Terms of Use" as "unrestricted" data.

https://pcmdi.llnl.gov/mips/cmip5/terms-of-use.html

10.2 Data Policy by the Project

11. LICENSE

12. DATA SOURCE ACKNOWLEDGEMENT

12.1 Acknowledge the Data Provider

"We acknowledge the World Climate Research Programme's Working Group on Coupled Modelling, which is responsible for CMIP, and we thank the climate modeling groups (listed in Table XX of this paper) for producing and making available their model output. For CMIP the U.S. Department of Energy's Program for Climate Model Diagnosis and Intercomparison provides coordinating support and led development of software infrastructure in partnership with the Global Organization for Earth System Science Portals."

Where "Table XX" in your paper should list the models and modeling groups that provided the data you used.

(See https://pcmdi.llnl.gov/mips/cmip5/citation.html for details)

12.2 Acknowledge the Project

13. REFERENCES

Adachi, Y., S. Yukimoto, M. Deushi, A. Obata, H. Nakano, T. Y. Tanaka, M. Hosaka, T. Sakami, H. Yoshimura, M. Hirabara, E. Shindo, H. Tsujino, R. Mizuta, S. Yabu, T. Koshiro, T. Ose, and A. Kitoh, 2013: Basic performance of a new earth system model of the Meteorological Research Institute (MRI-ESM1). Pap. Meteor. Geophys., 64, 1-19, doi:10.2467/mripapers.64.1.