DIAS WRF PGW data over Kanto area (4GCMs ensemble)[6km]

1. IDENTIFICATION INFORMATION

Name	WRF PGW data over Kanto area (4GCMs ensemble)[6km]
Edition	ベータ版
Abbreviation	KANTO-WRF-ERAint-PGW4en [6km]
Metadata Identifier	WRF_pgw4en_data_over_Kanto_area20230727082054-en

2. CONTACT

2.1 CONTACT on DATASET

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5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

creation : 2012-12-25

7. DATASET OVERVIEW

7.1 Abstract

PGW data simulated by WRF over Kanto area. Horizontal resolution is 6km, while ERA-interim was used for input and boundary data adding the climate change component estimated from 4GCMs ensemble mean (miroc3_2_hires,gfdl_cm2_1,mri_cgcm2_3_2a,csiro_mk3_0) as difference between 1981-2000 and 2081-2100.

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

7.3 Temporal Extent

Begin Date	1980-10-01
End Date	2010-09-30
Temporal Characteristics	Hourly

7.4 Geographic Bounding Box

North bound latitude	38.5
West bound longitude	135
Eastbound longitude	143
South bound latitude	33.5

7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit
row	124	0.0001 (deg)
column	96	0.0001 (deg)
time	9505	hourly (minute)

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Atmosphere > Precipitation > Precipitation Amount	GCMD_science
theme	Models > GCM	GCMD_platform
theme	Climate	GEOSS
place	Asia > Eastern Asia > Japan	Country

7.7.2 Keywords on Project

7.8 Online Resource

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
binary		

8. DATA PROCESSING

8.1 Data Processing (1)

8.1.1 General Explanation of the data producer's knowledge about the lineage of a dataset

This data is future forecast data simulated over Kanto area by using the Problems of Pseudo-global-warming (PGW) method. Weather Research and Forecast (WRF) developed by the National Center for Atmospheric Research (NCAR) was used as the Regional Climate Model, while ERA interim produced by European Centre for Medium-Range Weather Forecasting (ECMWF) was used as initial and boundary value.

8.1.2 Data Source

Data Source Citation Name	Description of derived parameters and processing techniques used

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

The content of this dataset should not be redistributed without permission, and should not be used for commercial purposes. The source should be properly acknowledged in any work obtained with this dataset. The creators of this dataset are not responsible for any loss or damage caused by using this dataset.

10.2 Data Policy by the Project

11. LICENSE

12. DATA SOURCE ACKNOWLEDGEMENT

12.1 Acknowledge the Data Provider

Whenever DIAS data sets are used for any academic presentations, and any publication of scientific results, the author(s) shall specify the following acknowledgement and if the data provider has their own acknowledgement quotation, the author(s) shall use both acknowledgements. "The DIAS data set is archived and provided under the framework of the Research Program on Climate Change Adaptation (RECCA), through the Ministry of Education, Culture, Sports, Science and Technology (MEXT)."

12.2 Acknowledge the Project

13. REFERENCES