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# NAR02017 Regional Climate Projection Dataset

## 1. IDENTIFICATION INFORMATION

Name	NAR02017 Regional Climate Projection Dataset
Edition	Version 2.7r
Abbreviation	NAR02017-V2.7r
DOI	doi:10.20783/DIAS.568 [ <a href="http://dx.doi.org/10.20783/DIAS.568">http://dx.doi.org/10.20783/DIAS.568</a> ]
Metadata Identifier	SICAT_SDS_1kmJP_NAR02017_V2_7r20200901184255-DIAS20200901154929-en

## 2. CONTACT

### 2.1 CONTACT on DATASET

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### 2.2 CONTACT on PROJECT

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## 4. DATASET CREATOR

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Organization	NIAES/NARO

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## 5. DATE OF THIS DOCUMENT

2020-09-01

## 6. DATE OF DATASET

creation : 2019-09-30

## 7. DATASET OVERVIEW

### 7.1 Abstract

The NAR02017 regional climate change scenario has agro-meteorological elements such as solar radiation, relative humidity, and surface wind speed, which are few examples in common climate scenarios across fields so far.

The variance of climate model output with small daily and annual fluctuations is matched by observational statistics. It is a climate scenario that can certainly apply with climate extremes.

\*Attention!: Please understand that after you have applied for use on DIAS, you may receive an additional application from the National Agriculture and Food Research Organization (NARO).

### 7.2 Topic Category(IS019139)

climatologyMeteorologyAtmosphere

### 7.3 Temporal Extent

Begin Date	1970-01-01
End Date	2100-12-31
Temporal Characteristics	Daily

### 7.4 Geographic Bounding Box

North latitude bound	46
West longitude bound	122
Eastbound longitude	146
South latitude bound	22

### 7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	Resolution Unit

row	1920	0.0125 (deg)
column	2640	0.0083333333 (deg)
time		1-day (day)

## 7.6 Geographic Description

## 7.7 Keywords

### 7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	GLOBAL CHANGE > Regional climate change	AGU

### 7.7.2 Keywords on Project

#### 7.7.2.1 Data Integration and Analysis System

Keyword Type	Keyword	Keyword thesaurus Name
theme	DIAS > Data Integration and Analysis System	No_Dictionary

## 7.8 Online Resource

File download : <https://data.diasjp.net/dl/storages/filelist/dataset:568>

## 7.9 Data Environmental Information

Please use this version2\_7r dataset for climate impact assessment hereafter. The Version2\_2 with the same name is an older version developed in 2017 and it tends to further overestimate higher temperatures.

## 7.10 Distribution Information

name	version	specification
NetCDF	Version 4	CF1.6

# 8. DATA PROCESSING

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

The variance of climate model output, which fluctuates daily and year by year, is in line with the observation statistics.

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## 8.2 Data Processing

Data Source Citation Name	Description of derived parameters and processing techniques used
CMIP5	IPCC_WGI-AR5

## 9. DATA REMARKS

## 10. LICENSE

### 10.1 Data Policy by the Data Provider

This data set is available only for non-commercial use.

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### 10.2 Data Policy by the Project

#### 10.2.1 Data Integration and Analysis System

If data provider does not have data policy, DIAS Terms of Service (<https://diasjp.net/en/policy/>) and DIAS Privacy Policy (<https://diasjp.net/en/privacypolicy/>) apply.

If there is a conflict between DIAS Terms of Service and data provider's policy, the data provider's policy shall prevail.

## 11. DATA SOURCE ACKNOWLEDGEMENT

### 11.1 Acknowledge the Data Provider

### 11.2 Acknowledge the Project

#### 11.2.1 Data Integration and Analysis System

If you plan to use this dataset for a conference presentation, paper, journal article, or report etc., please include acknowledgments referred to following examples. If the data provider describes examples of acknowledgments, include them as well.

"We used the [name of dataset] provided by [name of data provider] in this study. This dataset was collected and provided under the Data Integration and Analysis System (DIAS, Project No. JPMXD0716808999), which has been developed and operated by the Ministry of Education, Culture, Sports, Science and Technology (MEXT)."

## 12. DISCLAIMER

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## 12.1 Disclaimer of Project

### 12.1.1 Data Integration and Analysis System

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## 13. REFERENCES

Nishimori, M., Y. Ishigooka, T. Kuwagata, T. Takimoto and N. Endo (2019): SI-CAT 1km-grid square Regional Climate Projection Scenario Dataset for Agricultural Use (NAR02017). Journal of The Japan Society for Simulation Technology, 38, 150-154 (in Japanese with English title).

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