

1. IDENTIFICATION INFORMATION

Name	RECCA Nagoya 2050
Edition	v0.1
Abbreviation	RECCA_MAP_DIF
Metadata Identifier	RECCA_MAPS_Nagoya20221122144741-DIAS20221121113753-en

2. CONTACT

2.1 CONTACT on DATASET

Name	Hiroaki Kondo
Organization	AIST
Address	AIST-west, 16-1 Onogawa, Tsukuba, Ibaraki, 305-8569, JAPAN
E-mail	kondo-hrk@aist.go.jp

2.2 CONTACT on PROJECT

2.2.1 Data Integration and Analysis System

Name	DIAS Office
Organization	Japan Agency for Marine-Earth Science and Technology
Address	3173-25, Showa-Cho, Kanazawa-ku, Yokohama-shi, Kanagawa, 236-0001, Japan
E-mail	dias-office@diasjp.net

3. DOCUMENT AUTHOR

Name	Hiroaki Kondo
Organization	AIST
E-mail	kondo-hrk@aist.go.jp

4. DATASET CREATOR

Name	Hiroaki Kondo
Organization	AIST
E-mail	kondo-hrk@aist.go.jp

5. DATE OF THIS DOCUMENT

2022-11-22

6. DATE OF DATASET

creation : 2015-03-30

7. DATASET OVERVIEW

7.1 Abstract

Nagoya city area, concentrated population near the railroad stations, difference between 2050s and 2000s, sub-scenario of tsunami, strong earthquake and liquefaction, version 1.

7.2 Topic Category(ISO19139)

climatologyMeteorologyAtmosphere

environment

health

society

7.3 Temporal Extent

Begin Date	2000-01-01
End Date	2050-12-31

7.4 Geographic Bounding Box

North latitude	bound	35.42
West longitude	bound	136.77
Eastbound longitude		137.22
South latitude	bound	34.97

7.5 Grid

Dimension Name	Dimension (slice number of the dimension)	Size	Resolution Unit
row	126		13 (second)
column	159		10 (second)

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Climate	GEOSS
place	Asia, Eastern Asia, Japan	No_Dictionary
theme	Human Dimensions > Habitat Conversion/Fragmentation > Urbanization/Urban Sprawl, Human Dimensions > Environmental Impacts, Human Dimensions > Public Health > Environmental Health Factors	GCMD_science

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:235>

7.9 Data Environmental Information

The datasets are graphic files with Joint Photographic Experts Group (JPEG). One file is approximately 4MB. The dataset name is Day-time_Items_Scenario (in Japanese). These figures are difference between 2050s and 2000s. There are five items: difference of monthly average for WBGT at 2 p.m. in August (unit: C), difference of monthly average for temperature at 2 p.m. in August, difference of monthly average for total number of the people who has difficulty going to sleep per a mesh in August, difference of monthly average for loss of life expectancy in year (summation in a mesh) due to heat stroke and difficulty going to sleep in August, and difference of monthly average for number of ambulance transportation due to heat stroke in August. The basic scenario for urban area is concentrated population within 800 m area from the railroad stations with high-rise buildings. There are three sub-scenarios against the Tonankai Earthquake: countermeasure for tsunami, countermeasure for severe shock, and countermeasure for liquefaction. There are 15 figures in total.

7.10 Distribution Information

name	version	specification
JPEG	β	

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

The data "RECCA_AHO_Nagoya" was used as basic anthropogenic heat to calculate that in 2050s. The rate for increase of population was multiplied to the basic anthropogenic heat on the grid points near the railroad stations. Saving energy rate was multiplied to all the grid points in entire area. The land use is different each other in the sub-scenarios against Tonankai Earthquake.

8.1.2 Data Source

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

9. DATA REMARKS

The error was not evaluated in the present version.

10. DATA POLICY

10.1 Data Policy by the Data Provider

The data can be freely used; however, the present data is beta-version. Please acknowledge "RECCA_MAPS_Nagoya β ".

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/terms/>) and DIAS Privacy Policy (<https://diasjp.net/en/privacy/>) apply.

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

11. LICENSE

12. DATA SOURCE ACKNOWLEDGEMENT

12.1 Acknowledge the Data Provider

The RECCA_AHO_Nagoya on the Data Integration and Analysis System was used for ...

12.2 Acknowledge the Project

12.2.1 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.

” In this study, [Name of Dataset] provided by [Name of Data Provider] was utilized. This dataset was also collected and provided under the Data Integration and Analysis System (DIAS), which was developed and operated by a project supported by the Ministry of Education, Culture, Sports, Science and Technology. ”

13. REFERENCES

The progress report of Research Program on Climate Change Adaptation in 2014

Copyright(c) 2006-2021 Data Integration & Analysis System (DIAS) All Rights Reserved. This project is supported by ” Data Integration & Analysis System ” funded by MEXT, Japan
--