RECCA Nagoya 2050

1. IDENTIFICATION INFORMATION

Name	RECCA Nagoya 2050
Edition	v0.1
Abbreviation	RECCA_MAP_DIF
Metadata Identifier	RECCA_MAPS_Nagoya20200901175744-DIAS20200901154929-en

2. CONTACT

2.1 CONTACT on DATASET

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2.2 CONTACT on PROJECT

2.2.1 Data Integration and Analysis System

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4. DATASET CREATOR

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5. DATE OF THIS DOCUMENT

2020-09-01

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

7.5 Grid

Dimension Name	Dimension Size (slice number of the dimension)	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 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.

8.2 Data Processing

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. LICENSE

10.1 Data Policy by the Data Provider

The data can be freely used; however, the present data is bete-version. Please acknowledge "RECCA_MAPS_Nagoyaβ".

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

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

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

12.1 Disclaimer of Project

12.1.1 Data Integration and Analysis System

If data provider does not have data policy, disclaimer of DIAS Terms of Service (https://diasjp.net/en/policy/) apply.

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

13. REFERENCES

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

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