



# Damage cost of ski resorts in Nagano prefecture due to climate change

## 1. IDENTIFICATION INFORMATION

Name	Damage cost of ski resorts in Nagano prefecture due to climate change
DOI	doi:10.20783/DIAS.630 [ <a href="https://doi.org/10.20783/DIAS.630">https://doi.org/10.20783/DIAS.630</a> ]
Metadata Identifier	SKI_1GCM_2RCP_2P20230727102835-DIAS20221121113753-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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## 5. DATE OF THIS DOCUMENT

2023-07-27

## 6. DATE OF DATASET

creation : 2020-11-16

## 7. DATASET OVERVIEW

### 7.1 Abstract

The dataset contains the damage cost of ski resorts in ten regions of Nagano prefecture and the benefit of artificial snowfall machines as adaptation measure in one GCM (MIROC5) and two RCPs (RCP2.6 and RCP8.5) in two periods (2031-2050 and 2081-2100).

### 7.2 Topic Category(ISO19139)

economy

### 7.3 Temporal Extent

Begin Date	2031-01-01
End Date	2100-12-31

### 7.4 Geographic Bounding Box

North latitude bound	46
West longitude bound	122
Eastbound longitude	154
South latitude bound	20

### 7.5 Grid

### 7.6 Geographic Description

### 7.7 Keywords

#### 7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
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theme	POLICY SCIENCES > Benefit-cost analysis, POLICY SCIENCES > Regional planning	AGU
theme	Atmosphere > Precipitation > Snow, Human Dimensions > Social Behavior > Hazard Mitigation/Planning	GCMD_science
place	Asia > Eastern Asia > Japan	Country

## 7.7.2 Keywords on Project

### 7.7.2.1 Data Integration and Analysis System

Keyword Type	Keyword	Keyword thesaurus Name
theme	DIAS &gt; Data Integration and Analysis System	No_Dictionary

## 7.8 Online Resource

Guidebook (in Japanese) : [https://www.restec.or.jp/si-cat/\\_public/202003/SI-CAT\\_Social-Implementation\\_GuideBook.pdf](https://www.restec.or.jp/si-cat/_public/202003/SI-CAT_Social-Implementation_GuideBook.pdf)

Guidebook (in Japanese) : [https://www.restec.or.jp/si-cat/\\_public/202003/SI-CAT成果集原稿集\\_フル\\_20200302.pdf](https://www.restec.or.jp/si-cat/_public/202003/SI-CAT成果集原稿集_フル_20200302.pdf)

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:630>

## 7.9 Data Environmental Information

The sheet name "Damage" is the damage cost of ski resorts in 10 regions of Nagano prefecture (Unit: 100 million JPY per year), the sheet name "Benefit\_of\_Adaptation" is the benefit of adaptation measure (Unit: 100 million JPY per year), and the sheet name "Regional\_Code" is the regional code name, respectively.

## 7.10 Distribution Information

name	version	specification
Excel	ver.1	

## 8. DATA PROCESSING

## 9. DATA REMARKS

## 10. DATA POLICY

### 10.1 Data Policy by the Data Provider

1. The use of this dataset is non-commercial only.
2. Articles and reports using this dataset should cite the following articles.

Tomoda, G., Morisugi, M. and Ohno, E. (2019), Economic Value of Skiing and Damage Forecasting due to Global Warming, Journal of Japan Society of Civil Engineers, Ser.G (Environmental Research), Vol.75, No.5, I\_57-I\_64. DOI: [https://doi.org/10.2208/jscej.75.I\\_57](https://doi.org/10.2208/jscej.75.I_57)

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3. The Dataset Provider is not responsible for any loss or damage caused by the use of this dataset.

## 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

### 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

Tomoda, G., Morisugi, M. and Ohno, E. (2019), Economic Value of Skiing and Damage Forecasting due to Global Warming, Journal of Japan Society of Civil Engineers, Ser.G (Environmental Research), Vol.75, No.5, I\_57-I\_64. DOI: [https://doi.org/10.2208/jscejer.75.I\\_57](https://doi.org/10.2208/jscejer.75.I_57)