


Prefectural damage cost due to beach loss

1. IDENTIFICATION INFORMATION

Name	Prefectural damage cost due to beach loss
DOI	doi:10.20783/DIAS.628 [https://doi.org/10.20783/DIAS.628]
Metadata Identifier	BEACH_3GCM_4RCP_2P20230727102719-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 prefectural damage cost and the prefectural damage cost per unit area due to beach loss in three GCMs (MIROC5, MRI-CGCM3, and HadGEM2-ES) and four RCPs (RCP2.6, RCP4.5, RCP6.0, and RCP8.5) in two periods (2031-2050 and 2081-2100).

7.2 Topic Category(IS019139)

economy

7.3 Temporal Extent

Begin Date	2031-01-01
End Date	2100-12-31
Temporal Characteristics	Annual

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
theme	Oceans > Coastal Processes > Beaches, Oceans > Coastal Processes > Erosion, Oceans > Coastal Processes > Sea Level Rise, Human Dimensions > Human Settlements > Coastal Areas	GCMD_science
theme	POLICY SCIENCES > Benefit-cost analysis, POLICY SCIENCES > Regional planning	AGU
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 > 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

Guidebook (in Japanese) : 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:628>

7.9 Data Environmental Information

The dataset contains the prefectural damage cost and the prefectural damage cost per unit area due to beach loss in three GCMs (MIROC5, MRI-CGCM3, and HadGEM2-ES) and four RCPs (RCP2.6, RCP4.5, RCP6.0, and RCP8.5) in two periods (2031-2050 and 2081-2100).

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.

Nakajima, K., Sakamoto, N., Ohno, E., Morisugi, M. and Mori, R. (2018), Cost Benefit Analysis of Adaptation against Beach Erosion due to Climate Change, Journal of Japan Society of Civil Engineers, Ser.G (Environmental Research), Vol.74, No.5, I_425-I_436. (in Japanese)

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

Nakajima, K., Sakamoto, N., Ohno, E., Morisugi, M. and Mori, R. (2018), Cost Benefit Analysis of Adaptation against Beach Erosion due to Climate Change, Journal of Japan Society of Civil Engineers, Ser.G (Environmental Research), Vol.74, No.5, I_425-I_436. (in Japanese) DOI: https://doi.org/10.2208/jscej.74.I_425