



SICAT_Projected_Beach_Loss_Japan

1. IDENTIFICATION INFORMATION

Name	SICAT_Projected_Beach_Loss_Japan
Metadata Identifier	SICAT_Projected_Beach_Loss_Japan20230727102914-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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4. DATASET CREATOR

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5. DATE OF THIS DOCUMENT

2023-07-27

6. DATE OF DATASET

publication : 2017-05-29

publication : 2020-05-26

7. DATASET OVERVIEW

7.1 Abstract

The data include future (2081-2100) national beach loss area and beach loss rates projected based on the present (1986-2005) beach area by Bruun's rule for sea level rises of RCP 2.6, 4.5, 6.0, and 8.5 scenarios (IPCC, 2013). There are predictions for two resolutions: 77 zones divided based on the Coast Act and 886 zones divided into about 10 km of shoreline extension.

7.2 Topic Category(ISO19139)

environment

oceans

7.3 Temporal Extent

Begin Date	2081-01-01
End Date	2100-12-31
Temporal Characteristics	Average of whole period

7.4 Geographic Bounding Box

North latitude	bound	46
West longitude	bound	122
Eastbound longitude		146
South latitude	bound	23

7.5 Grid

7.6 Geographic Description

7.7 Keywords

7.7.1 Keywords on Dataset

Keyword Type	Keyword	Keyword thesaurus Name
theme	Climate Indicators > Atmospheric/Ocean Indicators > Sea Level Rise > Erosion	GCMD_science
theme	Climate	GEOSS
theme	Erosion (reefs, sandbars), Sea Level =sea surface height	GEO_COP
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

file download : <https://data.diasjp.net/dl/storages/filelist/dataset:631>

7.9 Data Environmental Information

7.10 Distribution Information

name	version	specification
CSV	N/A	
シエープフィアル	N/A	

8. DATA PROCESSING

9. DATA REMARKS

10. DATA POLICY

10.1 Data Policy by the Data Provider

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

[For 77 zones data] Projections of future beach loss in Japan due to sea-level rise and uncertainties in projected beach loss, Coastal Engineering Journal (2017), 59(2), 1740006, Udo, K. and Y. Takeda.

[For 886 zones data] Effect of Spatial Resolution on Nationwide Projection of Future Beach Loss Rate in Japan, Journal of Coastal Research (2020), 95(sp1), 1310–1314, Takeda, Y. and K. Udo.