

Data set on heat wave loss in CPEC**Data Documentation****I. Dataset/atlas content features****i. Abstract**

Based on multi-source data such as heat wave, population, GDP, NDVI, hospital distribution and "risk-exposure-vulnerability" framework, the degree of heat wave loss and risk data set of CPEC were evaluated.

This data set shows the degree and risk of heat wave loss in CPEC, helps users understand the temporal and spatial distribution of heat wave loss degree and risk in this region, and provides reference and basis for users and further research.

ii. Elements (content fields)

Table 1 Description of data element content

Data name	Item (field)	Field name in Chinese	Field measure unit	Field code description	Remarks
Risk	Value	Heat wave risk		Combined risk, exposure and vulnerability	

iii. Temporal cover

2000-2015

iv. Spatial cover

CPEC

II. Subject/industry scope of dataset/atlas**i. Subject scope**

Earth science

ii. Industry scope

Heat wave service

iii. Other classifications (optional)**III. Accuracy of dataset/atlas****i. Time frequency**

5 years

ii. Spatial reference, accuracy, and granularity

Spatial reference: GCS_WGS_1984

Accuracy: 1 time

Spatial resolution: 1 km

Granularity: station

IV. Dataset/atlas storage management**i. Data quantity**

69.1 MB

ii. Type format

The data set is stored on hard disk, and the data structure type is raster data.

iii. Update management

Updated from time to time.

V. Quality control of the dataset/atlas

i. Production mode

Based on multi-source data such as heat wave, population, GDP, NDVI, hospital distribution and "risk-expo-vulnerability" framework, the degree of heat wave loss and risk data set of CPEC were evaluated.

ii. Data sources (condition selection)

Heat wave, population, GDP, NDVI, hospital distribution data

iii. Methods of the data acquisition and processing (condition selection)

The degree of heat wave loss and risk data set of CPEC were evaluated based on the risk assessment framework of "risk-expo-vulnerability".

VI. Sharing and usage method of the dataset/atlas

i. Sharing methods and restrictions

Fully shared

ii. Contact information of the sharing service (condition selection)

The service is as follows:

Name: Yang fei

Mailing address: A11 Datun Road, Chaoyang District, Beijing

Zip code: 100101

E-mail: yangfei@lreis.ac.cn

iii. Conditions and methods of usage

Use ArcGIS, ENVI and other software to open.

VII. Intellectual property rights of the dataset/atlas

i. Property rights (optional)

"Data set on heat wave loss in CPEC" owned by institute of geographic sciences and natural resources research, CAS.

ii. Reference method of the dataset/atlas

Data set on heat wave loss in CPEC. Disaster Risk Reduction Knowledge Service of International Knowledge Centre for Engineering Sciences and Technology (IKCEST) under the Auspices of UNESCO,2020.9.18.

iii. Usage contacts of the datasets/atlas

Contact person

Name: Yang fei

Mailing address: A11 Datun Road, Chaoyang District, Beijing

Zip code: 100101

E-mail: yangfei@lreis.ac.cn

VIII. Others (optional)

In addition to the above, other information must also be explained.

Data documentation author information

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