

Heat wave disaster in China Pakistan Economic Corridor

Data Documentation

I. Report content features

i. Abstract

The basic data involved in this dataset is obtained from the NOAA website. According to 2000-2020 weather station data, night light data, GDP and other data, we obtain high-temperature heat wave vulnerability data, high-temperature heat wave exposure data, and high-temperature heat wave risk data, thereby obtaining high-temperature heat wave risk assessment data at ten-year intervals. The data can help scientific researchers and government agencies understand the overall situation of heat wave disasters in the China-Pakistan Economic Corridor and some measures to prevent heat wave disasters.

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
Heat wave disaster in China Pakistan Economic Corridor	High temperature heat wave vulnerability data/high temperature heat wave exposure data / high temperature heat wave risk	高温热浪脆弱性/ 高温热浪暴露性/ 高温热浪危险性			

iii. Temporal cover

The temperature data involved in this report are from 2001 to 2017

iv. Spatial cover

The report covers China Pakistan Economic Corridor.

II. Subject/industry scope of dataset/atlas

i. Subject scope

Earth science

ii. Industry scope

Heat wave service

iii. Other classifications (optional)

(Other categories can be applied, but should reflect the dataset/atlas characteristics.)

III. Accuracy of dataset/atlas

i. Time frequency

The temperature data involved in this report are from 2001 to 2017.

ii. Spatial reference, accuracy, and granularity

IV. Dataset/atlas storage management

i. Data quantity

The data quantity is 29.7G

ii. Type format

TIF

iii. Update management

V. Quality control of the dataset/atlas

i. Production mode

ii. Data sources (condition selection)

Obtained from NOAA, wikipedia, references.

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

Collect, sort out relevant information and excel statistical drawing. from NOAA, wikipedia and references.

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: Chaoyang District, Beijing Datun Road on the 11th

Zip code: 100101

E-mail: yangfei@lreis.ac.cn

iii. Conditions and methods of usage

ArcGIS

VII. Intellectual property rights of the dataset/atlas

i. Property rights (optional)

“Heat wave disaster in China Pakistan Economic Corridor” owned by institute of geographic sciences and natural resources research, CAS.

ii. Reference method of the dataset/atlas

Heat wave disaster in China Pakistan Economic Corridor. Disaster Risk Reduction Knowledge Service of International Knowledge Centre for Engineering Sciences and Technology (IKCEST) under the Auspices of UNESCO,2021.9.28

iii. Usage contacts of the datasets/atlas

Contact person

Name: Yang fei

Mailing address: Chaoyang District, Beijing Datun Road on the 11th

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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