

**Bangladesh, China, India and Myanmar's historical heat wave datasets of 1981 - 2018****Data Documentation****I. Dataset/atlas content features****i. Abstract**

This dataset is acquired from Google news, Wikipedia, the Emergency Events Database and reference documentation by data crawl, collecting and arranging, which describes some heat wave information about time, disaster type, country, location, extreme temperature, et al. And the dataset counts the heat wave event occurred in Bangladesh, China, India and Myanmar from 1981AD to 2018AD, which includes 76 data in total. This dataset can help user to know the temporal and spatial distribution of heat wave occurrence, and provide strong support for some heat wave prevention and mitigation and related scientific 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 |
|--|---|---|--|------------------------|---------|
| Bangladesh, China, India and Myanmar's historical heat wave datasets | Start date/ End date / Disaster type / Country / Location / Extreme temperature/ Total deaths /Total affected / Total damage / Insured losses | 开始日期/结束日期/灾害类型/发生国家/发生地点/极端温度值/死亡总人数/受影响总人数/总体破坏/保险损失 | Extreme temperature: °C;<br>Total damage: \$<br>Insured losses: \$ |                        |         |

**iii. Temporal cover**

The temporal cover is from 1981 AD to 2018 AD

**iv. Spatial cover**

The spatial cover is Bangladesh, China, India and Myanmar.

**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 heat wave events of AD 1981-2018 are yearly recorded, which cover Bangladesh, China, India and Myanmar.

**ii. Spatial reference, accuracy, and granularity**

#### **IV. Dataset/atlas storage management**

##### **i. Data quantity**

The data quantity is 16 KB.

##### **ii. Type format**

The dataset is stored as a hard disk, and the data structure type is a table excel file.

##### **iii. Update management**

Updated from time to time.

#### **V. Quality control of the dataset/atlas**

##### **i. Production mode**

The dataset is obtained from Google news, Wikipedia, the Emergency Events Database and reference documentation.

##### **ii. Data sources (condition selection)**

The data sources form Google news, Wikipedia, the Emergency Events Database and reference documentation.

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

The heat wave disaster information of Bangladesh, China, India and Myanmar of 1981 - 2018 are obtained from Google news, Wikipedia, the Emergency Events Database and reference documentation based on the data crawling method, collecting and arranging, which covers Bangladesh, China, India and Myanmar.

#### **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**

Microsoft office

#### **VII. Intellectual property rights of the dataset/atlas**

##### **i. Property rights (optional)**

##### **ii. Reference method of the dataset/atlas**

Bangladesh, China, India and Myanmar's historical heat wave datasets of 1981AD - 2018AD. Disaster Risk Reduction Knowledge Service of International Knowledge Centre for Engineering Sciences and Technology (IKCEST) under the Auspices of UNESCO,2018.12.1.

##### **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.

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|---------------------------------------|---|-------------|-------------------|
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