

**Meteorological resource database of " Belt and Road" China-Mongolia-Russia
economic corridor**

Data Documentation

I. Dataset/atlas content features

i. Abstract

This dataset described the distribution of meteorological resource in China-Mongolia-Russia economic corridor, which mainly record the travel climate comfortable degree in the cross-border region between China and Russia. They were collected and organized by the Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences. This dataset was composed of 56 raster files. It can be used to study meteorological disasters and provide important basis for disaster prevention and reduction and reducing the negative effects of meteorological disasters.

ii. Elements (content fields)

This dataset was named as “Meteorological resource database of " Belt and Road" China-Mongolia-Russia economic corridor”, which included 4 data files. There are mainly 1 data name for different years and they are described as table 1.

Table 1 Description of data element content

Data name	Item (field)	Field name in Chinese	Field measure unit	Field code description	Remarks
Climate Resource	Travel climate comfortable degree	等级			

iii. Temporal cover

1984-2013

iv. Spatial cover

This dataset covered two countries in the belt and road. Countries involved include Russia and China.

II. Subject/industry scope of dataset/atlas

i. Subject scope

Basic Disaster information

ii. Industry scope

Environmental and Textile

iii. Other classifications (optional)

III. Accuracy of dataset/atlas

i. Time frequency

Monthly

ii. Spatial reference, accuracy, and granularity

This dataset used the WGS-1984 coordinate system with a minimum time interval of one month.

IV. Dataset/atlas storage management

i. Data quantity

The volume of the dataset is 24 MB.

ii. Type format

This dataset was stored in hard disk with formats of .shp.

iii. Update management

Unscheduled update.

V. Quality control of the dataset/atlas**i. Production mode**

First, we downloaded earthquake disaster data through the China Meteorological Science Data Sharing Service website. Then, we used ArcGIS software to load the obtained data and made corresponding thematic maps according to the year. Finally exported the map.

ii. Data sources (condition selection)

The original data was from the China Meteorological Science Data Sharing Service website.

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

Acquisition method: Down on the net.

Processing method: Data registration and classification method.

VI. Sharing and usage method of the dataset/atlas**i. Sharing methods and restrictions**

Full and open sharing.

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

Online link address: <http://drr.ikcest.org/info/98d74>

Contact Information for Service:

Name: Service group of Disaster Risk Reduction Knowledge Service System of IKCEST

Address: 11A, Datun Road, Chaoyang District, Beijing, 100101, China, Institute of Geographic Sciences and Natural Resources Research, CAS.

Zip Code: 100101

E-mail: ikcest-drr@lreis.ac.cn

iii. Conditions and methods of usage

This dataset can be opened using ArcGIS.

VII. Intellectual property rights of the dataset/atlas**i. Property rights (optional)**

Intellectual property of the dataset belonged to Institute of Geographic Sciences and Natural Resources Research, CAS.

ii. Reference method of the dataset/atlas

Meteorological resource database of " Belt and Road" China-Mongolia-Russia economic corridor. Disaster Risk Reduction Knowledge Service of International Knowledge Centre for Engineering Sciences and Technology (IKCEST) under the Auspices of UNESCO, 2019.5.21. <http://drr.ikcest.org/info/98d74>.

iii. Usage contacts of the datasets/atlas

Name: Service group of Disaster Risk Reduction Knowledge Service System of IKCEST

Address: 11A, Datun Road, Chaoyang District, Beijing, 100101, China, Institute of Geographic Sciences and Natural Resources Research, CAS.

Zip Code: 100101

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VIII. Others (optional)

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

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