Spatio-temporal Distribution of Earthquake Disaster in the Belt and Road Area 泛肥 2002

Data Documentation

I. Dataset/atlas content features

i. Abstract

This dataset described the distribution of earthquake disasters in countries along the Belt and Road in 2002, which mainly record the seismic location, earthquake grade, seismic wave coverage and range information. They were collected and organized by the Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences. This dataset was composed of 27 vector files. They could be used to study the occurrence and distribution of earthquake disasters, and provided an important basis for preventing earthquake disasters and reducing the negative impact of earthquake disasters.

ii. Elements (content fields)

This dataset was named as "Spatio-temporal Distribution of Earthquake Disaster in the Belt and Road Area during 2002", which included 1 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
Earthquake intensity	Level	等级			

iii. Temporal cover

2002

iv. Spatial cover

This dataset covered all countries in the belt and road. Countries involved include Mongolia, Russia, China, Singapore, Indonesia, Malaysia, Thailand, Vietnam, Philippines, Cambodia, Myanmar, Laos, Brunei, East Timor, India, Pakistan, Sri Lanka, Bangladesh, Nepal, Maldives, Bhutan, United Arab Emirates, Kuwait, Turkey, Qatar, Oman, Lebanon, Saudi Arabia, Bahrain, Israel, Yemen, Egypt, Iran, Jordan, Syria, Iraq, Afghanistan, Palestine, Azerbaijan, Georgia, Armenia, Poland, Albania, Slovenia, Bulgaria, Czech Republic, Hungary , Macedonia, Serbia, Romania, Slovakia, Croatia, Bosnia and Herzegovina, Montenegro, Ukraine, Moldova, Kazakhstan, Kyrgyzstan, Turkmenistan, Tajikistan, Uzbekistan.

II. Subject/industry scope of dataset/atlas

i. Subject scope

Cartography, Geography (Physical geography, Human geography, Regional geography, Urban geography, Tourism Geography), Earth Science, Environmental sciences et al.

ii. Industry scope

Environmental and Textile，Natural science research and experimental development, Environmental monitoring, Natural conservation et al.

iii. Other classifications (optional)

III. Accuracy of dataset/atlas

i. Time frequency

Monthly

ii. Spatial reference, accuracy, and granularity

This dataset used the WGS1984 coordinate system with a minimum time interval of one month.

IV. Dataset/atlas storage management

i. Data quantity

The volume of the dataset is 33 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 USGS 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 USGS official website.

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/9bc94

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

Spatio-temporal Distribution of Earthquake Disaster in the Belt and Road Area during 2002. Disaster Risk Reduction Knowledge Service of International Knowledge Centre for Engineering Sciences and Technology (IKCEST) under the Auspices of UNESCO, 2018. 5.21.http://drr.ikcest.org/info/9bc94

iii. Usage contacts of the datasets/atlas

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

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Zip Code：100101

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

VIII. Others (optional)

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

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