A Big Earth Data Platform for Three Poles

**Distribution map of debris flow in Sichuan Tibet traffic corridor (2020)**

1、Description

The distribution data of debris flow in Sichuan Tibet transportation corridor includes two layers, one is the point layer, which mainly marks the location of debris flow gully, the other is the area layer, which is the drainage area of debris flow gully. The source of the data is the combination of remote sensing identification and ground investigation. Firstly, the remote sensing image is used to interpret the location of the debris flow gully in the region, and then the ground investigation of the debris flow gully is carried out along the Sichuan Tibet railway and Sichuan Tibet highway. The remote sensing interpretation data is verified, and finally the more reliable debris flow distribution data is obtained. The data can be used to analyze the distribution of debris flow in Sichuan Tibet transportation corridor, multi-scale debris flow risk assessment and risk assessment.

2、Keywords

Theme：Debris flow,Natural Disaster  
Discipline：Human-nature Relationship  
Places：Sichuan-Tibet Traffic Corridor (including Sichuan-Tibet Railway and Sichuan-Tibet Highway)  
Time：2020

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：25.6MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：32.088936 | - |
| west：90.343059 | - | east：104.816941 |
| - | south：28.826666 | - |

5、Time frame:2019-12-31 16:00:00+00:00--2020-12-30 16:00:00+00:00

6、Reference method

References to data:

LIU Jifeng, CHEN Huayong, YANG Dongxu, CHEN Xingzhang. Distribution map of debris flow in Sichuan Tibet traffic corridor (2020). A Big Earth Data Platform for Three Poles, doi:10.11888/Disas.tpdc.2716212021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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