A Big Earth Data Platform for Three Poles

**Debris flow field investigation data in Sichuan Tibet traffic corridor (2020)**

1、Description

According to Ya'an Qamdo, Qamdo Nyingchi, Nyingchi Lhasa and other sections, carry out field investigation on debris flow within 10km along the new Sichuan Tibet railway line and Sichuan Tibet highway, fill in debris flow questionnaire and take photos. Based on the investigated debris flow data, the basic data are provided for the pregnant disaster background characteristics and distribution law of Sichuan Tibet traffic corridor. At the same time, the hazard modes of debris flow and the hazard modes to highway, railway and other traffic lines are investigated in detail; Furthermore, debris flow risk, vulnerability and risk assessment shall be carried out along the new Sichuan Tibet railway line at different scales such as regional scale, key sections and typical disasters, so as to provide support for the route selection of Sichuan Tibet railway.

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：

3.Filesize：53043.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：32.088936 | - |
| west：89.343059 | - | 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. Debris flow field investigation data in Sichuan Tibet traffic corridor (2020). A Big Earth Data Platform for Three Poles, doi:10.11888/Disas.tpdc.2716512021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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