A Big Earth Data Platform for Three Poles

**Basic parameter data of dam breach process under different slope conditions (2019-2021)**

1、Description

Data content: Basic parameter data of dam breach process under different slope conditions  
Data source: through literature search, classification, consolidation and compilation.  
Description of data quality: Based on Jiang Xiangang's physical model test on dam breach with different bed slopes, the traceability erosion process of the dam body was analyzed in order to propose a traceability erosion model and explore the influencing factors of the traceability erosion process. In addition, this job attempts to quantify the undercut rate of the breach and the change rate of the downstream slope toe at each time. In order to find the relationship between them and obtain the calculation formula of the downstream slope angle, the calculation of traceability erosion was carried out. This can provide the basis for the calculation and analysis in the later stage of the project.

2、Keywords

Theme：landslide,Natural Disaster,Disaster  
Discipline：Human-nature Relationship  
Places：Qinghai Tibet Plateau  
Time：2019-2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：3.73MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：0.0 | - |
| west：0.0 | - | east：0.0 |
| - | south：0.0 | - |

5、Time frame:2019-10-31 16:00:00+00:00--2021-10-30 16:00:00+00:00

6、Reference method

References to data:

ZHANG Xinhua . Basic parameter data of dam breach process under different slope conditions (2019-2021). A Big Earth Data Platform for Three Poles, doi:10.11888/HumanNat.tpdc.2720642022

References to articles:

蒋先刚, 吴雷. (2019). 不同底床坡度下的堰塞坝溃决过程研究. 岩石力学与工程学报, 38(supp.1), 3008-3014

7、Supporting project information

Catastrophic mechanisms and risk control of disastrous landslides in the Tibetan Plateau

8、Data resource provider

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