A Big Earth Data Platform for Three Poles

**1:1,000,000 geomorphological map of Western China**

1、Description

The landform information integration in western China was completed by a team led by Dr. Xie chuanjie, from the institute of geography, resources and environment, Chinese academy of sciences.It includes 1:400,000 national geomorphologic database and 1:100,000 western geomorphologic database. 1:400,000 geomorphologic data are "China geomorphologic map (1:400,000)" edited by LI Bingyuan and "China and its adjacent areas geomorphologic map (1:400,000)" edited by CHEN Zhiming. Scan and register the data, vectorize all the registered maps by using ArcMap software, and establish their own classification and code system. According to map spots (common staining) and symbols, geomorphic types are divided into basic geomorphic types and morphological structure types (points, lines and planes).

1:1000000 western geomorphic data is integrated and updated by digital geomorphology based on multi-source data such as remote sensing image and adopts hierarchical interpretation method.Plains and mountains;Primary geomorphic types (25 types),10 genetic types: secondary genetic types: subdivision of morphological differences. The type of geomorphic material whose composition or lithology is determined.

Conducted among 16 landscape points of interpretation work, their Numbers are: 45 (Kathmandu), G - G - 46 (the) wrong, H - 44 (pli), 45 (xigaze), H - H - 46 (Lhasa), H - 47 (qamdo), 43 (Islamabad), I - I - 44 (lion spring river), 45 (change), I - I - (amdo) 46, 47 (yushu), J - I - 43 (kashi) (wada), J, J - 44-45 (JuMo), 46 (golmud), J J - - 47 (xining)

2、Keywords

Theme：Geomorphological,Tectonics
Discipline：Solid earth
Places：Western China
Time：2007

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：375.75MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：43.36 | - |
| west：73.45 | - | east：111.2 |
| - | south：20.9 | - |

5、Time frame:None--None

6、Reference method

References to data:

ZHOU Chenghu, CHENG Weiming. 1:1,000,000 geomorphological map of Western China. A Big Earth Data Platform for Three Poles, doi:10.11888/Geogra.tpdc.2701042019

References to articles:

7、Supporting project information

8、Data resource provider

name: ZHOU Chenghu
unit:
email: zhouch@igsnrr.ac.cn

name: CHENG Weiming
unit:
email: chengwm@lreis.ac.cn