A Big Earth Data Platform for Three Poles

**Vegetation map of Qinghai Tibet Plateau in 1980s**

1、Description

Vegetation map of Qinghai Tibet Plateau in 1980s:  
Region: Zhang Yili, etc. 2021 edition of Qinghai Tibet Plateau.  
Data sources: Landsat 4-5 TM images from 1980 to 1988 (spatial resolution of about 30m), field survey data, 1:1 million vegetation map, Google Earth image, climate, terrain, landform, soil, land cover data, etc.  
Mapping methods: (1) preliminary patch segmentation, using object-oriented method to preliminarily segment remote sensing images to form preliminary cartographic patches; (2) Visual interpretation: integrate the field survey data, 1:1 million vegetation map, Google Earth image, climate, terrain, landform, soil and land cover data to visually interpret and map the preliminary mapping patches; (3) Cross validation, using topographic map, 1:1 million vegetation map and land use map for logical verification; (4) The legend system adopts the classification standard, legend unit and system of vegetation map of the people's Republic of China (1:1, 000, 000), 2007, including vegetation type group and vegetation type 2 units. There are 11 vegetation type groups, 46 vegetation types and 10 non vegetation sections in the mapping area; (5) Vegetation map decoration adopts the method of combining map spots and numbers to represent different vegetation types and mapping units; (6) Based on the accuracy of the data used in the mapping, the maximum drawing scale of this drawing is 1:500000.

2、Keywords

Theme：Vegetation  
Discipline：Terrestrial Surface  
Places：Tibetan Plateau  
Time：1980

3、Data details

1.Scale：500000

2.Projection：WGS84

3.Filesize：164.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.01 | - |
| west：67.67 | - | east：104.68 |
| - | south：25.99 | - |

5、Time frame:None--None

6、Reference method

References to data:

GAO Peichao , YE Sijing, SHEN Shi, CHENG Changxiu , SONG Changqing , ZHENG Yuanrun, ZHOU Jihua. Vegetation map of Qinghai Tibet Plateau in 1980s. A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2723852022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

name: ZHENG Yuanrun  
unit: Institute of Botany, Chinese Academy of Sciences  
email: zhengyr@ibcas.ac.cn  
  
name: ZHOU Jihua  
unit: Institute of Botany, Chinese Academy of Sciences  
email: zhoujihua@ibcas.ac.cn  
  
name: SHEN Shi  
unit:   
email: shens@bnu.edu.cn  
  
name: SONG Changqing   
unit: Beijing Normal University  
email: songcq@bnu.edu.cn  
  
name: CHENG Changxiu   
unit: Beijing Normal University  
email: chengcx@bnu.edu.cn  
  
name: GAO Peichao   
unit: Beijing Normal University  
email: gaopc@bnu.edu.cn  
  
name: YE Sijing  
unit:   
email: yesj@bnu.edu.cn