A Big Earth Data Platform for Three Poles

**Vegetation type map in the source area of Tuotuo River**

1、Description

The vegetation type map was created by the random forest (RF) classification approach, based on 319 ground-truth samples, combined with a set of input variables derived from the visible, infrared, and thermal Landsat-8 images. According to vegetation characteristics, four types include alpine swamp meadow (ASM), alpine meadow (AM), alpine steppe (AS), and alpine desert (AD) were classified in this map. Based on a spatial resolution of 30 m, the map can provide more detailed vegetation information.

2、Keywords

Theme：Vegetation,Remote Sensing Technology,Frozen Ground,Grassland
Discipline：Terrestrial Surface,Remote Sensing Technology,Cryosphere
Places：Tuotuo River, source region of the Yangtze River
Time：2013-2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：26.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：34.92 | - |
| west：90.54 | - | east：92.49 |
| - | south：33.3 | - |

5、Time frame:None--None

6、Reference method

References to data:

ZHOU Defu, ZOU Defu, Wu Tonghua, WU Xiaodong, Du Erji, DU Erji, Zhao Lin, ZHAO Lin, CHEN Jie , CHEN Jie, LI Zhibin , LI Zhibin, Liu Guangyue, LIU Guangyue. Vegetation type map in the source area of Tuotuo River. A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2719322022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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