A Big Earth Data Platform for Three Poles

**Dataset of vegetation coverage and biological measure factor B with 300 m resoluton in 20 countries in key regions（2014-2016）**

1、Description

1)The dataset includes the grid data of vegetation coverage and biological measure factor B of 20 countries in key regions, with a spatial resolution of 300 meters. 2）The basic data source is the MODIS MOD13Q1 product from 2014 to 2016 with a spatial resolution of 250 m. Based on this, a 24-half month average vegetation coverage raster data during a 3 year period was calculated, and then the soil loss ratio was calculated according to the land type. The, the 24- half months rainfall erosivity was further weighted and averaged to obtain a grid map of vegetation coverage and biological measures B factor. 3）MOD13Q1 remote sensing vegetation data was processed by cloud removal. The calculated B factor was statistically analyzed by landuse types and rationality analyzed. The final data quality is good. 4）The factor B of vegetation coverage and biological measures reflects the impact of surface land use/vegetation coverage on soil erosion, and is of great significance for soil erosion simulation and spatial pattern analysis in 20 key regions.

2、Keywords

Theme：Soil,Soil erosion,Natural Disaster
Discipline：Terrestrial Surface,Human-nature Relationship
Places：Pan-Third Pole Region
Time：2014-2016

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：527.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：52.0 | - |
| west：135.0 | - | east：48.0 |
| - | south：0.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

ZHANG Wenbo. Dataset of vegetation coverage and biological measure factor B with 300 m resoluton in 20 countries in key regions（2014-2016）. A Big Earth Data Platform for Three Poles, doi:10.11888/Soil.tpdc.2717382021

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

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