A Big Earth Data Platform for Three Poles

**FVC dataset of remote sensing for ecological assets assessment in Qinghai-Tibet Plateau**

1、Description

The basic data set of remote sensing for ecological assets assessment of the Qinghai-Tibet Plateau includes the annual Fraction Vegetation Coverage (FVC), Net Primary Productivity (NPP) and Leaf Area Index (LAI) of the Qinghai-Tibet Plateau since 2000, and other ecological parameters based on remote sensing inversion. The FVC data are mainly developed from MODIS NDVI data. Based on pixel dichotomy model, the vegetation coverage model is developed by using multi-scale remote sensing images, combining with high precision remote sensing parameters such as vegetation community type and distribution characteristics, and the mixed pixel decomposition method is used to construct the vegetation coverage model. All data could be used only after the permission of the data distributor.

2、Keywords

Theme：Vegetation coverage data,Ecological remote sensing products,Terrestrial Surface Remote Sensing
Discipline：Terrestrial Surface
Places：Tibetan Plateau
Time：2000-2017

3、Data details

1.Scale：None

2.Projection：

3.Filesize：546.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.02 | - |
| west：73.44 | - | east：104.38 |
| - | south：25.99 | - |

5、Time frame:2000-01-08 00:00:00+00:00--2018-01-07 11:59:59+00:00

6、Reference method

References to data:

LIU Wenjun. FVC dataset of remote sensing for ecological assets assessment in Qinghai-Tibet Plateau. A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2705302018

References to articles:

吴炳方, 苑全治, 颜长珍, 王宗明, 于信芳, 李爱农, 马荣华, 黄进良, 陈劲松, 常存, 刘成林, 张磊, 李晓松, 曾源, 包安明. (2014). 21世纪前十年的中国土地覆盖变化. 第四纪研究, 34(4), 723-731.

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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