A Big Earth Data Platform for Three Poles

**Thematic data on desertification of Western Asia (1990-2008)**

1、Description

Thematic data on desertification in Western Asia, includes two parts: Distribution Map of Sandy Land in Western Asia, Distribution Map of Grassland Degradation in Western Asia. The spatial resolution of the data is 30m. The data produced by the key laboratory of remote sensing and GIS, Xinjiang institute of ecology and geography, Chinese Academy of Sciences, the spatial resolution of data is 30 m. Data production Supported by the Strategic Priority Research Program of Chinese Academy of Sciences, Grant No. XDA20030101. The map of artificial oasis pattern in Amu river basin is based on Landsat TM and ETM image data in 2015. Firstly, with the help of eCognition software, the object-oriented classification is carried out. Secondly, the classification results are checked and corrected manually.

2、Keywords

Theme：Vegetation,Grassland,Ecological remote sensing products,Terrestrial Surface Remote Sensing
Discipline：Terrestrial Surface
Places：Central-Western Asia region
Time：1990-2018

3、Data details

1.Scale：None

2.Projection：Lambert\_Conformal\_Conic

3.Filesize：1440.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：44.3 | - |
| west：25.3 | - | east：75.2 |
| - | south：12.5 | - |

5、Time frame:1990-01-09 00:00:00+00:00--2019-01-08 11:59:59+00:00

6、Reference method

References to data:

Thematic data on desertification of Western Asia (1990-2008). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2704162020

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