A Big Earth Data Platform for Three Poles

**Half degree global MODIS IGBP land cover types (2001-2012)**

1、Description

The MODIS land cover type product is a data classification product (MOD12Q1) with different classification schemes for land cover features extracted from Terra data each year. These data are generated by reprojecting the standard MODIS land cover product MOD12Q1 to geographic coordinates with a spatial resolution of one-half degree. The basic land cover classification comprises the 17 types defined by the International Geosphere Biosphere Programme (IGBP): 11 types of natural vegetation classification, 3 types of land use and land inlays, and 3 types of nonvegetation land classification. It covers a longitude range of -180-180 degrees and a latitude range of -64-84 degrees. The data are in GeoTIFF format.  
This data are free to use, and the copyright belongs to the University of Maryland Department of Geography and NASA.

2、Keywords

Theme：Vegetation,Land cover  
Discipline：Terrestrial Surface  
Places：globe  
Time：2001-2012

3、Data details

1.Scale：None

2.Projection：

3.Filesize：300.0MB

4.Data format：GeoTIFF

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：90.0 | - |
| west：180.0 | - | east：-180.0 |
| - | south：-90.0 | - |

5、Time frame:2001-02-02 08:00:00+00:00--2013-02-01 08:00:00+00:00

6、Reference method

References to data:

Channan, Channan, S. Half degree global MODIS IGBP land cover types (2001-2012). A Big Earth Data Platform for Three Poles, 2018

References to articles:

7、Supporting project information

CASEarth:Big Earth Data for Three Poles（grant No. XDA19070000）

8、Data resource provider

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