A Big Earth Data Platform for Three Poles

**Landuse dataset in China (1980-2015)**

1、Description

The remote sensing monitoring database of China's land use status is a multi temporal land use status database covering the land area of China after years of accumulation under the support of national science and technology support plan, important direction project of knowledge innovation project of Chinese Academy of Sciences.  
The data set includes seven periods: the end of 1980s, 1990, 1995, 2000, 2005, 2010 and 2015. The data production is based on the Landsat TM / ETM Remote Sensing Images of each period as the main data source, which is generated by manual visual interpretation. Data are missing from some islands in the South China Sea.  
Spatial resolution: 30m, projection parameters: Albers\_ Conic\_ Equal\_ Area central meridian 105, standard weft 1: 25, standard weft 2: 47.  
The remote sensing monitoring database of China's land use status is a relatively high precision land use monitoring data product in China, which has played an important role in the national land resources survey, hydrology and ecological research.  
The land use types include six first-class types of cultivated land, woodland, grassland, water area, residential land and unused land, and 25 second-class types.

2、Keywords

Theme：Land use,Land Resources,Land-use and land-cover change(LUCC),Terrestrial Surface Remote Sensing  
Discipline：Terrestrial Surface,Human-nature Relationship  
Places：China  
Time：1980, 1995, 2005, 1990, 2000, 2010

3、Data details

1.Scale：None

2.Projection：Albers

3.Filesize：55.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：53.5 | - |
| west：73.5 | - | east：135.2 |
| - | south：18.0 | - |

5、Time frame:1980-02-01 16:00:00+00:00--2015-03-31 16:00:00+00:00

6、Reference method

References to data:

Chinese Academy of Sciences Resource and Environmental Science Data Center(http://www.resdc.cn/). Landuse dataset in China (1980-2015). A Big Earth Data Platform for Three Poles, 2019

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

name: Chinese Academy of Sciences Resource and Environmental Science Data Center(http://www.resdc.cn/)  
unit: Institute of Geographical Sciences and Natural Resource Research, CAS  
email: weboffice(at)igsnrr.ac.cn  
  
name: 111  
unit: 阿里巴巴  
email: weboffice(at)igsnrr.ac.cn