A Big Earth Data Platform for Three Poles

**Land cover of core countries of the Belt and Road in 2015 (Version 1.0)**

1、Description

Based on 2015 ESA global land cover data (ESA GlobCover, 300 m grid), combined with the tsinghua university global land cover data (FROM GLC, 30 m grid)、NASA MODIS global land cover data (MCD12Q1, 300 m grid)、the United States Geological Survey (USGS global land data (GFSAD30, 30 m)、Japanese global forest data (PALSAR/PALSAR - 2, 25 m),we build the LUC classification system in the Belt and Road’s region and the rest of the data transformation rules of the classification system.We also build the land cover classification confidence function and the rules of fusing land classification to finish the Integration and modification of land cover products and finally complet the land use data in the Belt and Road’s region V1.0(64 + 1 countries, 2015, 1 km x 1 km grid, the first level classification).

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：core countries of the Belt and Road
Time：2015

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：50.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：70.0 | - |
| west：44.0 | - | east：120.0 |
| - | south：0.0 | - |

5、Time frame:2016-01-16 08:00:00+00:00--2016-01-16 08:00:00+00:00

6、Reference method

References to data:

XU Erqi. Land cover of core countries of the Belt and Road in 2015 (Version 1.0). A Big Earth Data Platform for Three Poles, doi:10.11888/Geogra.tpdc.2701972019

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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