

**Land cover data of Mongolian Plateau (2009)****Data Documentation****I. Dataset/atlas content features****i. Abstract**

The Mongolian Plateau, as the largest arid and semiarid Plateau in Northern hemisphere, plays an important role in the climate changes and sustainable development of the ecological environment. The original dataset is the MODIS Collection 5 dataset produced by Boston University. A serial of tools or methods are used in the data processing, such as the MODIS reprojection tool MRT, projection system and data format conversion of MCD12Q1 products, land\_cover\_type\_1 data extraction, data classification system transformation, resampling techniques, etc. The overall accuracy of the data is about 75%, and different land cover type has different accuracy. The resolution of raster data is 500 meters, which obtained from Mongolian plateau land in 2009.

**ii. Elements (content fields)****iii. Temporal cover**

2009

**iv. Spatial cover**

Country (Mongolian Plateau)

**II. Subject/industry scope of dataset/atlas****i. Subject scope**

Geography .

**ii. Industry scope****iii. Other classifications (optional)****III. Accuracy of dataset/atlas****i. Time frequency****ii. Spatial reference, accuracy, and granularity**

500m

**IV. Dataset/atlas storage management****i. Data quantity**

350MB

**ii. Type format**

Imagery

**iii. Update management**

Irregular updates.

**V. Quality control of the dataset/atlas****i. Production mode**

The original dataset is the MODIS Collection 5 dataset produced by Boston University. The data set uses some methods, such as the MODIS reprojection tool MRT, projection system and data format conversion of MCD12Q1 products , land\_cover\_type\_1 data extraction layer, data classification system transformation, resampling techniques, etc.

**ii. Data sources (condition selection)****iii. Methods of the data acquisition and processing (condition selection)**

The original dataset is the MODIS Collection 5 dataset produced by Boston University. The data set uses some methods, such as the MODIS reprojection tool MRT, projection system and data format conversion

of MCD12Q1 products, land\_cover\_type\_1 data extraction layer, data classification system transformation, resampling techniques, etc.

## **VI. Sharing and usage method of the dataset/atlas**

### **i. Sharing methods and restrictions**

Open

### **ii. Contact information of the sharing service (condition selection)**

Contact Information for Service:

Name: Service group of Disaster Risk Reduction Knowledge Service System of IKCEST

Address: A11 Datun Road, Chaoyang District, Beijing

Zip Code: 100101

E-mail: ikcest-drr@lreis.ac.cn

### **iii. Conditions and methods of usage**

## **VII. Intellectual property rights of the dataset/atlas**

### **i. Property rights (optional)**

The property of the dataset belongs to the Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences.

### **ii. Reference method of the dataset/atlas**

Land cover data of Mongolian plateau (2009). Disaster Risk Reduction Knowledge Service of International Knowledge Centre for Engineering Sciences and Technology (IKCEST) under the Auspices of UNESCO, 2014.12.30. <http://drr.ikcest.org/info/fea6>.

### **iii. Usage contacts of the datasets/atlas**

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Address: A11 Datun Road, Chaoyang District, Beijing .

Postcode: 100101

Telephone: 010-64889048-8006

Email: ikcest-drr@lreis.ac.cn

## **VIII. Others (optional)**

In addition to the above, other information must also be explained.

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