

MODIS enhanced vegetation index from 2000 to 2012 in Mongolian Plateau**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. To extract EVIT via sinusoidal projection and 16 days' synthetic data. We should also take the atmospheric correction problems into account. The calculation of the date is based on BRDF correction and a variety of mask processing. Compared to the NDVI EVI time series, seasonal time series is more obvious, which can better reflect the seasonal variation characteristics of high vegetation covered area.

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

2000-2012

iv. Spatial cover

Mongolia Plateau

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

Basic Geography information

ii. Industry scope

Environmental and Textile

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

The spatial resolution of this date set is 250m.

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

The volume of the dataset is 10956.8MB.

ii. Type format

This dataset was stored in hard disk with formats of Grid.

iii. Update management

Unscheduled update.

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

This date set provides spatio-temporal consecutively vegetation monitoring data, which uses the sinusoidal projection method and 16 days' synthetic data.

ii. Data sources (condition selection)

This date set provides spatio-temporal consecutively vegetation monitoring data, which uses the sinusoidal projection method and 16 days' synthetic data.

VI. Sharing and usage method of the dataset/atlas**i. Sharing methods and restrictions**

Open sharing.

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

Online link address: <http://drr.ikcest.org/info/e42f>

Contact Information for Service:

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

Address: 11A, Datun Road, Chaoyang District, Beijing, 100101, China, Institute of Geographic Sciences and Natural Resources Research, CAS.

Zip Code: 100101

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

iii. Conditions and methods of usage

This dataset can be opened using ArcGIS.

VII. Intellectual property rights of the dataset/atlas**i. Property rights (optional)**

Intellectual property of the dataset belonged to Institute of Geographic Sciences and Natural Resources Research, CAS.

ii. Reference method of the dataset/atlas

MODIS enhanced vegetation index (2000-2012) in Mongolia Plateau. 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/e42f>.

iii. Usage contacts of the datasets/atlas

Name: Service group of Disaster Risk Reduction Knowledge Service sub-platform of IKCEST

Address: 11A, Datun Road, Chaoyang District, Beijing, 100101, China, Institute of Geographic Sciences and Natural Resources Research, CAS.

Zip Code: 100101

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

VIII. Others (optional)

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

| Data documentation author information | | | |
|---------------------------------------|--|-------------|-------------------|
| Data documentation author | Cao Xiaoming, Wang Juanle | Update time | 2014-12-30 |
| Organization | Institute of Geographic Sciences and Natural Resources Research, CAS | | |
| Contact information | Email | | |
| Address | 11A, Datun Road, Chaoyang District, Beijing, 100101, China | Postcode | 100101 |
| Telephone | 010-64889048-8006 | E-mail | 010-64889048-8006 |