

MODIS vegetation index data of Mongolian plateau (2000-2012)

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. This date set provides spatio-temporal consecutively vegetation monitoring data, which uses the sinusoidal projection method and 16 days' synthetic data. The spatial resolution of this date set is 250m. This data set improves the low saturation point of NDVI observation, which is calculated on the basis of BRDF data. It is also carried out a variety of mask processing (water, cloud, aerosol, cloud and shadow). The date set contributes to long-term dynamic assimilation and vegetation data analysis, and also can be used to detecte vegetation status, biological chemistry, water cycle, global and regional climate research.

ii. Elements (content fields)

iii. Temporal cover

Modern times (2000-2012)

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

250m

IV. Dataset/atlas storage management

i. Data quantity

41369.6 MB

ii. Type format

Imagery

iii. Update management

Irregular updates.

V. Quality control of the dataset/atlas

i. Production mode

ii. Data sources (condition selection)

iii. Methods of the data acquisition and processing (condition selection)

This data set improves the low saturation point of NDVI observation, which is calculated on the basis of BRDF data. It is also carried out a variety of mask processing (water, cloud, aerosol, cloud and shadow).

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

MODIS vegetation index data of Mongolian plateau (2000-2012). Disaster Risk Reduction Knowledge Service of International Knowledge Centre for Engineering Sciences and Technology (IKCEST) under the Auspices of UNESCO, 2015.1.1. <http://drr.ikcest.org/info/f762>.

iii. Usage contacts of the datasets/atlas

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Address: A11 Datun Road, Chaoyang District, Beijing .

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VIII. Others (optional)

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

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