

Forest, meadow, grassland, and distribution of farmland in the Qinghai-Tibet Plateau

Data Documentation

I. Dataset content features

i. Abstract

The datasets are Forest, meadow, grassland, and distribution of farmland in the Qinghai-Tibet Plateau, and mainly record the distribution of forests, meadows, grasslands and farmland in the Qinghai-Tibet Plateau. They are collected and organized by Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences. There are totally 24 data files in .adf format. They can be used to study the changes in resources and the environment in the Qinghai-Tibet Plateau, and government decision-making.

ii. Elements (content fields)

The datasets are named as “Forest, meadow, grassland, and distribution of farmland in the Qinghai-Tibet Plateau”, which include 24 data files. There are 4 data name: Forest, meadow, grassland, and farmland.

iii. Temporal cover

iv. Spatial cover

The datasets cover all of Qinghai-Tibet Plateau.

II. Subject/industry scope of dataset/atlas

i. Subject scope

Earth Science, environmental sciences, regional sustainable development, geography.

ii. Industry scope

Resource and environmental monitoring.

iii. Other classifications (optional)

III. Accuracy of dataset/atlas

i. Time frequency

ii. Spatial reference, accuracy, and granularity

The dataset is test data without spatial reference.

IV. Dataset/atlas storage management

i. Data quantity

The volume of the dataset is 7.06 MB.

ii. Type format

The dataset is stored in hard disk with a format of ArcGIS surface.

iii. Update management

Unscheduled update.

V. Quality control of the dataset/atlas

i. Data sources (condition selection)

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

Through correction, shear and exponential calculations, data are obtained to obtain remote sensing data of resources and environment in the Qinghai-Tibet Plateau. Data processing software includes ArcGIS and ENVI. First, the acquired remote sensing data is corrected and processed. Then, use ArcGIS for index calculation and classification. Finally, add the above result to get the resource environment data.

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

Full and open sharing.

ii. Contact information of the sharing service (condition selection)**Online link address:**

Contact Information for Service:

Name: Yuan Yuelei

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

Zip Code: 100101

E-mail: wdc-rre@lreis.ac.cn

iii. Conditions and methods of usage

The dataset can be read by ArcGIS software.

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

Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences. Forest, meadow, grassland, and distribution of farmland in the Qinghai-Tibet Plateau. Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences [Establishment organization], 2008. World Data Center for Renewable Resources and Environment [Communication agency], 2017-5-24.

iii. Usage contacts of the datasets/atlas

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VIII. Others (optional)

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

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