

Land use in China**Data Documentation****I. Dataset content features****i. Abstract**

The datasets are Land use in China, which mainly Including types of land use、 area、 perimeter、 name.They are collected and organized by Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, There are 20 land use types for this data, such as bush、 cold—desert、 desert、 economic—forest、 gobi and so on,The data can be used in the fields of geography science, environmental science, ecology, socio-economics, and population. Scientific research and education departments and central and local government decision-making departments provide data support.

ii. Elements (content fields)

The datasets are named as “Land use in China”, which include 20 data types. There are mainly 4 data name and they are described as table 1.

Table 1 Description of data element content

| Data name | Item (field) | Field name in Chinese | Field measure unit | Field code description | Remarks |
|-------------------|---------------------|-----------------------|--------------------|------------------------|---------|
| Land use in China | Paddy | 水田 | | | |
| Land use in China | Irrigated field | 水浇地 | | | |
| Land use in China | Non-irrigated field | 旱地 | | | |
| Land use in China | Timber forest | 用材林 | | | |

iii. Temporal cover**iv. Spatial cover**

The covered area of the dataset includes total The china region.

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

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

ii. Industry scope

Urban and rural development services, rural construction and planning.

iii. Other classifications (optional)**III. Accuracy of dataset/atlas****i. Time frequency**

Yearly

ii. Spatial reference, accuracy, and granularity

The data does not define a spatial coordinate reference system,

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

The volume of the dataset is 5.92MB.

ii. Type format

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

iii. Update management

Unscheduled update.

V. Quality control of the dataset/atlas

i. Data sources (condition selection)

Remote sensing imagery.

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

Through the remote sensing image data obtained, the data are cropped and stitched to obtain the remote sensing image maps in China. Firstly, data preprocessing, geometric correction, and atmospheric correction are first performed. Then, the data are interpreted by remote sensing, and finally the land use status in the country is finally obtained illustration.

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 Yuele

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

Land use data in China, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences [Establishment organization], 2005. World Data Center for Renewable Resources and Environment [Communication agency], 2017-3-4.

iii. Usage contacts of the datasets/atlas

Name: Yuan Yuele

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

VIII. Others (optional)

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

| Data documentation author information | | | |
|---------------------------------------|---------------|-------------|----------|
| Data documentation author | Bian Lingling | Update time | 2017-3-4 |

| | | | |
|---------------------|--|----------|-------------------|
| 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 | +8615689311687 | E-mail | bianll@reis.ac.cn |