

## **Agricultural climate resource data of Loess plateau in china**

### **Data Documentation**

#### **I. Dataset content features**

##### **i. Abstract**

The datasets are Agricultural climate resource data of Loess plateau, which mainly record precipitation, temperature difference, Forest climate productivity, farm evaporation and dissipation et al of the area in 1961, 1964, 1965, 1967, 1968, 1970, 1972, 1974 and 1976. They are collected and organized by Institute of Geographic Sciences and Natural Resources Research of the Chinese Academy of Sciences, and can be used for scientific research, teaching, and government decision-making.

##### **ii. Elements (content fields)**

The datasets were named as “Agricultural climate resource atlas of Loess Plateau”, which include 120 data files. There are mainly 12 data name for different years (1961, 1964, 1965, 1967, 1968, 1970, 1972, 1974, 1976).

##### **iii. Temporal cover**

Time of the dataset include 1961, 1964, 1965, 1967, 1968, 1970, 1972, 1974 and 1976.

##### **iv. Spatial cover**

The covered area of the dataset includes Loess Plateau in China.

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

##### **i. Subject scope**

Earth Science, Resources & Environmental, Meteorology, agronomy, geography.

##### **ii. Industry scope**

Meteorological services and environmental monitoring, Agricultural development.

##### **iii. Other classifications (optional)**

#### **III. Accuracy of dataset/atlas**

##### **i. Time frequency**

yearly & Monthly & daily

##### **ii. Spatial reference, accuracy, and granularity**

The projected coordinate system of the datasets is Krasovsky\_1940\_Albers;

The geographic coordinate system of the datasets is GCS\_Krasovsky\_1940;

#### **IV. Dataset/atlas storage management**

##### **i. Data quantity**

The volume of the dataset was 2.63MB.

##### **ii. Type format**

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

##### **iii. Update management**

Unscheduled update.

#### **V. Quality control of the dataset/atlas**

##### **i. Data sources (condition selection)**

Agricultural climate resource atlas of Loess Plateau

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

The data was digitized according to the atlas of agricultural climate resources in the loess plateau region. Atlas of the loess plateau region agricultural climate resources including 116 agricultural climate

resources figure in loess area. After the process of figure scanning, each map was registered by 1:500000 loess plateau boundary data, resulting from the digital vector data, and matched by Albers projection system.

## **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 Microsoft Office 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**

Agricultural climate resource data of China, Institute of Geographic Sciences and Natural Resources Research, CAS.

### **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.

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

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

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