

## **Spatio-temporal Dynamic Evolution of Vegetation in Northwest China from 1982 to 2002**

### **Data Documentation**

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

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

The datasets are Spatio-temporal Dynamic Evolution of Vegetation in Northwest China from 1982 to 2002, and mainly record the evolution of vegetation in the northwest from 1982 to 2002. They are collected and organized by Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, and include Average NDVI 21 Years (1982-2002) Trend Change in Growing Season in Northwest China, The Average NDVI Distribution of Years in Northwest China from 1982 to 2002 et.al. There are totally 25 data files in .emf, 1 data files in .jpg and 1 data files in .excel format. They can be used to study the the dynamic evolution of vegetation in the Northwest China, and government decision-making.

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

The datasets are named as “Spatio-temporal Dynamic Evolution of Vegetation in Northwest China from 1982 to 2002”, which include 26 data files. The main field names are NDVI REOF analysis, average NDVI distribution, and average NDVI anomaly percentage et.al.

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

Time of the dataset ranged from 1982 to 2002.

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

The datasets cover all of Northwest China

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

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

Earth Science, Meteorology, Remote Sensing, Resources & Environmental.

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

Vegetation growth monitoring and environmental monitoring.

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

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

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

Yearly

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

No spatial reference and no granularity.

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

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

The volume of the dataset is 9.26MB.

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

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

##### **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)**

#### **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 Image display tool.

**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. Spatio-temporal Dynamic Evolution of Vegetation in Northwest China data of China. Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences [Establishment organization], 2007. World Data Center for Renewable Resources and Environment [Communication agency], 2017-4-21.

**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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