

**Northern Shanxi Resource Status Dataset****Data Documentation****I. Dataset content features****i. Abstract**

The datasets are resource status of Northern ShanXi province, which mainly Including types of land use, temporal and spatial dynamic evolution of vegetation, evaluation of ecological environment, and dynamic changes of groundwater level in fengsha beach area Data. They are collected and organized by Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Types of land use in northern Shanxi (1997-2004); Temporal and spatial dynamic evolution of vegetation during the period of returning farmland to forest in northern Shanxi (1999-2005); Evaluation on ecological environment of counties in northern Shanxi (1997-2000); Dynamic change of groundwater level in fengsha beach area in northern Shanxi Province(1992-2005). There are totally 29 data files in .xlsx format in northern Shanxi level. 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 “Northern Shanxi Resource Status Dataset”, which include 29 data files. 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
Types of land use in northern Shanxi	Change in the proportion of land use types	陕北地区土地利用类型	%		
Temporal and spatial dynamic evolution of vegetation during the period of returning farmland to forest in northern Shanxi	The correlation coefficient between the total area of returning farmland to forest and the NDVI of regional average vegetation in counties in Northern Shanxi from 1999 to 2005	1999 ~ 2005 年陕北地区各县退耕还林合计面积与区域平均植被NDVI的相关系数			
Evaluation on ecological environment of counties in northern	The classification of ecological environment quality in northern Shanxi	陕北地区生态环境质量分级			

Shanxi					
Dynamic Change of Groundwater Level in fengsha beach Area in Northern Shanxi Province	Statistics on Groundwater Changes and Natural Conditions in Various Areas of fengsha beach in Northern Shanxi in 2003	陕北风沙滩地区各区2003年地下水变化及自然状况统计			

### iii. Temporal cover

Time of the dataset include 1992-2005, 1997, 1999-2005,2004,

### iv. Spatial cover

The covered area of the dataset includes total The Northern Shanxi 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 dataset is test data without spatial reference, the minimal granularity of the dataset is a county.

## IV. Dataset/atlas storage management

### i. Data quantity

The volume of the dataset is 343KB.

### ii. Type format

The dataset is stored in hard disk with a format of Microsoft Excel (.xlsx).

### iii. Update management

Unscheduled update.

## V. Quality control of the dataset/atlas

### i. Data sources (condition selection)

Remote sensing imagery,Statistical data

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

Through ArcGIS, the national data are cropped to obtain the vector map of northern Shanxi. Through the combination of social statistics and yearbook data, the spatio-temporal dynamic evolution data of vegetation in the period of returning farmland to forest in Northern Shaanxi is finally obtained

## 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 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**

Vegetation data during the period of returning farmland to forest in northern Shanxi, 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], 2017-3-4.

**iii. Usage contacts of the datasets/atlas**

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

**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@lreis.ac.cn