A Big Earth Data Platform for Three Poles

**1:100,000 desert (sand) distribution dataset in China**

1、Description

This dataset is the first 1: 100,000 desert spatial database in China based on the graphic data of desert thematic maps. It mainly reflects the geographical distribution, area size, and mobility of sand dunes in China. According to the system design requirements and relevant standards, the input data is standardized and uniformly converted into a standard format for various types of data input. Build a library to run the delivery system.
This project uses the TM image in 2000 as the information source, and interprets, extracts, and edits the coverage of the national land use map and TM digital image information in 2000. It uses remote sensing and geographic information system technology to 1: 100,000 Thematic mapping requirements for scale bar maps were made on the desert, sandy land and gravel Gobi in China. The 1: 100,000 desert map across the country can save users a lot of data entry and editing work when they are engaged in research on resources and the environment. Digital maps can be easily converted into layout maps
The dataset properties are as follows:
Divided into two folders e00 and shp:
Desert map name and province comparison table in each folder
01 Ahsm Anhui
02 Bjsm Beijing
03 Fjsm Fujian
04 Gdsm Guangdong
05 Gssm Gansu
06 Gxsm Guangxi Zhuang Autonomous Region
07 Gzsm Guizhou
08 Hebsm Hebei
09 Hensm Henan
10 Hljsm Heilongjiang
11 Hndsm Hainan
12 Hubsm Hubei
13 Jlsm Jilin Province
14 Jssm Jiangsu
15 Jxsm Jiangxi
16 Lnsm Liaoning
17 Nmsm Inner Mongolia Gu Autonomous Region
18 Nxsm Ningxia Hui Autonomous Region
19 Qhsm Qinghai
20 Scsm Sichuan
21 Sdsm Shandong
22 Sxsm Shaanxi Province
23 Tjsm Tianjin
24 Twsm Taiwan Province
25 Xjsm Xinjiang Uygur Autonomous Region
26 Xzsm Tibet Autonomous Region
27 Zjsm Zhejiang
28 Shxsm Shanxi
1. Data projection:
               Projection: Albers
               False\_Easting: 0.000000
               False\_Northing: 0.000000
               Central\_Meridian: 105.000000
               Standard\_Parallel\_1: 25.000000
               Standard\_Parallel\_2: 47.000000
               Latitude\_Of\_Origin: 0.000000
               Linear Unit: Meter (1.000000)
2. Data attribute table: area (area)
                  perimeter
                  ashm\_ (sequence code)
                  class (desert encoding)
                  ashm\_id (desert encoding)
3. Desert coding: mobile sandy land 2341010
                  Semi-mobile sandy land
                  Semi-fixed sandy land 2341030
                  Gobi 2342000
                  Saline land 2343000
4: File format: National, sub-provincial and county-level desert map data types are vector shapefiles and E00
5: File naming: Data organization based on the National Basic Resources and Environmental Remote Sensing Dynamic Information Service System is performed on the file management layer of Windows NT. The file and directory names are compound names of English characters and numbers. Pinyin + SM composition, such as the desert map of Gansu Province is GSSM. The flag and county desert map is the pinyin + xxxx of the province name, and xxxx is the last four digits of the flag and county code. The division of provinces, districts, flags and counties is based on the administrative division data files in the national basic resources and environmental remote sensing dynamic information service operation system.

2、Keywords

Theme：Desert,Desert, sand
Discipline：Terrestrial Surface
Places：China
Time：2000

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：1468.49MB

4.Data format：矢量

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：53.9 | - |
| west：73.2 | - | east：135.5 |
| - | south：17.8 | - |

5、Time frame:None--None

6、Reference method

References to data:

YAN Changzhen, WANG Yimou, QI Yuan, WANG Jianhua. 1:100,000 desert (sand) distribution dataset in China. A Big Earth Data Platform for Three Poles, doi:10.3972/westdc.006.2013.db2013

References to articles:

7、Supporting project information

8、Data resource provider

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