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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