A Big Earth Data Platform for Three Poles

**Basic dataset of Shiyanghe River Basin**

1、Description

The Shiyang River Basin Information System thematic data set is one of the results of the technical assistance project “Optimization of Desertification Control in Gansu Province” assisted by the Asian Development Bank, including 5 folders including document, investigation\_point, maps, photo, and spatial. Each file The folder contains several files. The document folder includes the target design, data processing, thematic summary report, and projection information.The gpspoint folder includes files recorded in shapefile point format sampled by gps according to different purposes.The maps folder contains Chinese, english, and fonts files. Folder, the first two folders represent 14 Chinese and English maps stored in A4 format and pdf format, and fonts contain some special fonts: the photo folder contains field survey digital photos stored in bmp format: spatial The folder contains the dem folder of the digital elevation model, the gansu folder of the outline map of Gansu Province and the Hexi Corridor, the generate folder of the site data file shapefile, the grid folder of the raster data of various geographic features, and the remote sensing image. image folder, meteoHydro folder for original site text data, and vector folder for vector data for various geographic features.  
The data includes:  
1. DEM folder: 100m dem, hillshade, divided into GRID and geotif formats  
2. Gansu folder: Gansu border, Hexi border  
3. Grid folder: NDVI (vegetation index), lndchange (land transfer matrix), landscape86 (land landscape map in 86 years), landscape2k (land landscape map in 2000), Desertiftype (desert type landscape map), Desersevrt (desert type map ), Annprecip  
4. Meteohydro folder: Minqin, Wuwei, Yongchang meteorological data (1) daily daily observation items: Airpress (humidity), Precipitation (radiation), Sunlight (sunlight), Temperature (temperature) ), Wind (wind speed) (2) Months (monthly): Airpress (air pressure), Humidity (humidity), Rain (precipitation), Sunlight (sunlight), Temperature (temperature), Wind (wind speed)  
(3) tendays: Airpress, Humidity, Rain, Sunlight, Temperature, Wind  
(4) years (year by year): Precipitation, Temperature  
5. Vectro folder: (1) Admwhole (county boundary map), (2) Lake (lake), (3) Hydrasta (hydrological site), (4) Basin (watershed boundary), (5) Landscape2000 (land use 200 (Year), (6) landscape86 (land use 1986), (7) Meteosta (meteorological station), (8) Lakep (reservoir point), (9) Place (residential point), (10) Rainfallcontour (railway), ( 11) Rainfallcontour (rainfall contour map), (12) Road (highway), (13) Stream (water system map), (14) Town (county name), (15) Township (county township boundary), (16) Vegetation (vegetation map)  
Data projection information:  
PROJCS ["Albers",  
    GEOGCS ["GCS\_Krasovsky\_1940", DATUM ["Not\_specified\_based\_on\_Krassowsky\_1940\_ellipsoid", SPHEROID ["Krasovsky\_1940", 6378245.0,298.3]],  
    PRIMEM ["Greenwich", 0.0],  
    UNIT ["Degree", 0.0174532925199433]],  
    PROJECTION ["Albers\_Conic\_Equal\_Area"],  
    PARAMETER ["False\_Easting", 0.0],  
    PARAMETER ["False\_Northing", 0.0],  
    PARAMETER ["longitude\_of\_center", 105.0],  
    PARAMETER ["Standard\_Parallel\_1", 25.0],  
    PARAMETER ["Standard\_Parallel\_2", 47.0],  
    PARAMETER ["latitude\_of\_center", 0.0],  
    UNIT ["Meter", 1.0]]  
For detailed data description, please refer to the data file

2、Keywords

Theme：Digital elevation model,Topography,Land use,Land Resources,Visibility  
Discipline：Atmosphere,Terrestrial Surface,Human-nature Relationship  
Places：Shiyang River  
Time：

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：804.6MB

4.Data format：栅格

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.3 | - |
| west：101.4 | - | east：104.2 |
| - | south：36.3 | - |

5、Time frame:None--None

6、Reference method

References to data:

LI Xin. Basic dataset of Shiyanghe River Basin. A Big Earth Data Platform for Three Poles, doi:10.11888/Geogra.tpdc.2703422010

References to articles:

7、Supporting project information

8、Data resource provider

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