A Big Earth Data Platform for Three Poles

**WATER: Dataset of land use and land cover investigation in the arid region hydrology and forest hydrology experiment areas**

1、Description

The dataset of land use and land cover investigation was obtained in the arid region hydrology and forest hydrology experiment areas. It included:  
 (1) Land cover investigations in Linze grassland, Yingke oasis, Huazhaizi desert, Dayekou watershed and Zhangye city from May 27 to 31, 2008. GPS data, photos and detailed descriptions were recorded.  
 (2) Land use and land cover investigations in Yingke oasis, Huazhaizi desert and Biandukou foci experimental areas on Jul. 7, 8, 10, 11, 12, 13, 14 and 15, 2008.  
 Data were archived in shapefile, spreadsheet or JPGE formats.

2、Keywords

Theme：land cover,Land use,Land Resources  
Discipline：Human-nature Relationship  
Places：Heihe River Basin, Dayekou watershed foci experimental areas, Arid Region Hydrology in the Middle Reaches, closed observation area of Biandoukou,   
Time：2008,

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：750.0MB

4.Data format：

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.311 | - |
| west：100.11 | - | east：101.036 |
| - | south：38.192 | - |

5、Time frame:2008-07-18 00:00:00+00:00--2008-07-26 00:00:00+00:00

6、Reference method

References to data:

SUN Zhichao, ZHU Man. WATER: Dataset of land use and land cover investigation in the arid region hydrology and forest hydrology experiment areas. A Big Earth Data Platform for Three Poles, doi:10.3972/water973.0135.db2013

References to articles:

He, Y. , Bo, Y. , Chai, L. , Liu, X. , & Li, A. . (2016). Linking in situ lai and fine resolution remote sensing data to map reference lai over cropland and grassland using geostatistical regression method. International Journal of Applied Earth Observation and Geoinformation, 50, 26-38.

7、Supporting project information

The CAS (Chinese Academy of Sciences) Action Plan for West Development Project  
National Program on Key Basic Research Project (973 Program

8、Data resource provider

name: SUN Zhichao  
unit:   
email:   
  
name: ZHU Man  
unit:   
email: