A Big Earth Data Platform for Three Poles

**The annual ecological investigation data of desert vegetation with different desert types in Heihe River basin (2011)**

1、Description

At the end of September and the beginning of October, 2011, a year-end ecological survey was carried out in heihe river basin for plants of different desert types to stop growing.  
There are altogether 8 survey and observation fields, which are: piedmont desert, piedmont gobi, middle reaches desert, middle reaches gobi, middle reaches desert, lower reaches desert, lower reaches gobi and lower reaches desert, with a size of 40m×40m.  
Three 20m×20m large quadrats were fixed in each observation field, named S1, S2 and S3, and regular shrub surveys were conducted.Each large quadrat was fixed with 4 5m x 5m small quadrats, named A, B, C, D, for the herbal survey.

2、Keywords

Theme：Photosynthesis,Vegetation,Vegetation investigation  
Discipline：Terrestrial Surface  
Places：Heihe River Basin, Middle and Lower Reaches  
Time：2011

3、Data details

1.Scale：1

2.Projection：4326

3.Filesize：5.0MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.1147222222222 | - |
| west：99.752777777 | - | east：101.28305555 |
| - | south：38.70694444 | - |

5、Time frame:2011-10-09 02:50:09+00:00--2013-11-09 02:50:09+00:00

6、Reference method

References to data:

The annual ecological investigation data of desert vegetation with different desert types in Heihe River basin (2011). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.061.2013.db2013

References to articles:

Su, P. X. , Xie, T. T. , & Zhou, Z. J. . (2011). C4 plant species and geographical distribution in relation to climate in the desert vegetation of china. Sciences in Cold and Arid Regions, 003(5), 381-391.

7、Supporting project information

Water use efficiency and related regulation mechanisms of desert vegetation in different scales

8、Data resource provider