A Big Earth Data Platform for Three Poles

**HiWATER: 250m/1km month compositing Fraction Vegetation Cover (FVC) product of the Heihe River Basin**

1、Description

250m/1km month compositing Fraction Vegetation Cover (FVC) data set of Heihe River Basin provides the results of monthly FVC synthesis in 2011-2014. The data is produced by using MODIS vegetation index products MOD13A2 and MOD13Q1 based on dimidiate pixel model.

2、Keywords

Theme：Vegetation coverage data,Ecological remote sensing products,Terrestrial Surface Remote Sensing  
Discipline：Terrestrial Surface  
Places：Heihe River Basin, the artificial oasis experimental area in the middle reaches, the cold region hydrology experimental area in the upper reaches, the natural oasis eco-hydrology experimental area in the lower reaches  
Time：2014, 2011, 2012, 2013

3、Data details

1.Scale：None

2.Projection：Albers WSG-84

3.Filesize：63.58MB

4.Data format：ENVI标准格式

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.1 | - |
| west：97.8 | - | east：101.8 |
| - | south：37.3 | - |

5、Time frame:2011-01-13 16:00:00+00:00--2015-01-12 16:00:00+00:00

6、Reference method

References to data:

WU Junjun. HiWATER: 250m/1km month compositing Fraction Vegetation Cover (FVC) product of the Heihe River Basin. A Big Earth Data Platform for Three Poles, doi:10.3972/hiwater.285.2016.db2017

References to articles:

Li, X., Liu, S.M., Xiao, Q., Ma, M.G., Jin, R., Che, T., Wang, W.Z., Hu, X.L., Xu, Z.W., Wen, J.G., Wang, L.X. (2017). A multiscale dataset for understanding complex eco-hydrological processes in a heterogeneous oasis system. Scientific Data, 4, 170083. doi:10.1038/sdata.2017.83.

7、Supporting project information

The CAS (Chinese Academy of Sciences) Action Plan for West Development Project  
National High-tech R&D Program of China (863 Program)  
National High-tech R&D Program of China (863 Program)

8、Data resource provider

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