A Big Earth Data Platform for Three Poles

**Modeling ecohydrological processes and spatial patterns in the upper of Heihe river basin V1.0 (2015-2070)**

1、Description

The output data of the distributed eco hydrological model (gbehm) in the upper reaches of Heihe River includes the spatial distribution data series of 1-km grid. Region: upper reaches of Heihe River (Yingluo gorge), temporal resolution: Monthly Scale, spatial resolution: 1km, period: 2015-2070 (future scenario).   
The data include precipitation, evapotranspiration, runoff depth and average temperature.   
All data are in ASCII format. Please refer to the basin.asc file in the reference directory for the spatial range of the basin.   
Projection parameters of model results: sphere\_Arc\_Info\_Lambert\_Azimuthal\_Equal\_Area

2、Keywords

Theme：Runoff,Evapotranspiration,Hydrology  
Discipline：Terrestrial Surface  
Places：Heihe River Basin, Upper Reaches of Heihe Basin  
Time：2015-2070

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：87.0MB

4.Data format：ASCII

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.0 | - |
| west：98.0 | - | east：102.0 |
| - | south：37.0 | - |

5、Time frame:2015-12-08 00:00:00+00:00--2071-01-07 00:00:00+00:00

6、Reference method

References to data:

YANG Dawen. Modeling ecohydrological processes and spatial patterns in the upper of Heihe river basin V1.0 (2015-2070). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.189.2016.db2017

References to articles:

Gao, B., Qin, Y., Wang, Y.H., Yang, D.W., &Zheng, Y.R. (2016). Modeling Ecohydrological Processes and Spatial Patterns in the Upper Heihe Basin in China. Forests, 7(1), 10.

7、Supporting project information

8、Data resource provider

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