A Big Earth Data Platform for Three Poles

**Agricultural Water Resources Supply, Demand and Development Data Set in the Five Central Asia Countries from 1980 to 2015 (Gridded precipitation, evapotranspiration, runoff)**

1、Description

Agricultural Water Resources Supply, Demand and Development Data Set in the Five Central Asia Countries from 1980 to 2015 are derived from the Global Land Surface Data Assimilation System, including precipitation, evapotranspiration and runoff data output based on Noah, Mosaic and VIC models, respectively. The data set has high temporal and spatial resolution and good longitude. It is widely used in global and regional scale research. The results of precipitation, evapotranspiration and runoff simulation of Noah, Mosaic and VIC models are consistent in spatial distribution. It can be used to analyze the spatial and temporal variation of water resources in Central Asia, to analyze the supply and demand relationship of agricultural water resources and to evaluate the potential of water resources development.

2、Keywords

Theme：Precipitation,Surface Water,Watershed characteristics,Precipitation amount
Discipline：Atmosphere,Terrestrial Surface
Places：Central Asia
Time：

3、Data details

1.Scale：None

2.Projection：

3.Filesize：1.69MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：55.0 | - |
| west：50.0 | - | east：80.0 |
| - | south：35.0 | - |

5、Time frame:1980-01-07 00:00:00+00:00--2016-01-06 00:00:00+00:00

6、Reference method

References to data:

ZHANG Yongyong. Agricultural Water Resources Supply, Demand and Development Data Set in the Five Central Asia Countries from 1980 to 2015 (Gridded precipitation, evapotranspiration, runoff). A Big Earth Data Platform for Three Poles, 2018

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

name: ZHANG Yongyong
unit: Institute of Geographic Science and Natural Resources Research, Chinese Academy of Sciences
email: zhangyy003@igsnrr.ac.cn