A Big Earth Data Platform for Three Poles

**Dataset ofRelative Humidity Index of key nodes in the Countries along the 'Belt and Road' (2014-2015) (Version 1.0)**

1、Description

Water scarcity，food crises and ecological deterioration caused by drought disasters are a direct threat to food security and socio-economic development. Improvement of drought disaster risk assessment and emergency management is now urgently required. This article describes major scientific and technological progress in the field of drought disaster risk assessment. Drought is a worldwide natural disaster that has long affected agricultural production as well as social and economic activities. Frequent droughts have been observed in the Belt and Road area, in which much of the agricultural land is concentrated in fragile ecological environment. The relative humidity index is the difference between the amount of precipitation in a certain period of time and the potential evapotranspiration over the same period divided by the potential evapotranspiration.

2、Keywords

Theme：Extreme drought,Natural Disaster
Discipline：Human-nature Relationship
Places：Countries along the 'Belt and Road'
Time：2014-2015

3、Data details

1.Scale：20000

2.Projection：None

3.Filesize：26400.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：82.0 | - |
| west：12.0 | - | east：180.0 |
| - | south：-11.0 | - |

5、Time frame:2014-01-10 16:00:00+00:00--2016-01-09 16:00:00+00:00

6、Reference method

References to data:

GE Yong, WU Hua. Dataset ofRelative Humidity Index of key nodes in the Countries along the 'Belt and Road' (2014-2015) (Version 1.0). A Big Earth Data Platform for Three Poles, 2020

References to articles:

Zhang, Q., Zou, X., & Xiao, F. (2006). Classification of meteorological droughts. Standards Press of China Tech. Rep. GB/T20481-2006, 17.

7、Supporting project information

8、Data resource provider

name: WU Hua
unit: Institute of Geographic Sciences and Natural Resources Research, CAS
email: wuhua@igsnrr.ac.cn

name: GE Yong
unit: Institute of Geographic Sciences and Natural Resources Research, CAS
email: gey@lreis.ac.cn