A Big Earth Data Platform for Three Poles

**Climate suitability dataset of the Green Silk Road Countries (1981-2017)**

1、Description

Referring to the temperature-humidity index formula proposed by J.E. Oliver in 1973, the temperature-humidity index of thethe Green Silk Road Countries(GSRCs) is calculated based on the annual average temperature and relative humidity. The climate suitability assessment of human settlements of the GSRCs is carried out on the basis of the temperature-humidity index. the climate suitability of human settlements in different areas of GSRCs can be divided into five categories: Non-suitable area,Critically suitable area, Low suitable area, Moderately suitable area and High suitable area, based on the distribution characteristics of temperature-humidity index and its correlation with population distribution, according to the regional characteristics and differences of temperature and relative humidity, and referring to the physiological climate evaluation standard of temperature-humidity index.

2、Keywords

Theme：Climatic Resources,Environment Pollution and Control  
Discipline：Human-nature Relationship  
Places：The Green Silk Road, Pan-Third pole  
Time：multi-year average, 1981-2017

3、Data details

1.Scale：None

2.Projection：

3.Filesize：117.0MB

4.Data format：None

4、Space scope

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

5、Time frame:1981-01-08 16:00:00+00:00--2018-01-07 16:00:00+00:00

6、Reference method

References to data:

LIN Yumei. Climate suitability dataset of the Green Silk Road Countries (1981-2017). A Big Earth Data Platform for Three Poles, doi:10.11888/Socioeco.tpdc.2704432020

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

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