A Big Earth Data Platform for Three Poles

**The regional poverty rate of the countries along the Silk Roads (2012-2018)**

1、Description

This dataset, based on night light data and macro statistical data, uses remote sensing inversion method（1km\*1km）to obtain the poverty rate in different regions within each country. It has three advantages. a) The calculation unit can be adjusted according to the boundaries of administrative regions to reflect the poverty rate of sub-regions within the large country and scale, which is rare in statistically data. b) The survey and summary cycle limits the updating of national and sub-regional poverty rate, while the method based on night light data is more convenient. c) Due to the continuous annual data of night light, the difficulty of obtaining regional poverty rate in a long period was overcome. In view of the three outstanding advantages mentioned above, this data set can support to achieve the research subjects and provide scientific data for understanding the basic situation of poverty along the Silk Roads.

2、Keywords

Theme：Night light,Human-nature Remote Sensing,Population,Poverty rate,Total population,Social and Economic  
Discipline：Human-nature Relationship  
Places：the “Belt and Road”  
Time：2012-2018

3、Data details

1.Scale：None

2.Projection：

3.Filesize：20.1MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：45.0 | - |
| west：20.0 | - | east：130.0 |
| - | south：15.0 | - |

5、Time frame:2012-01-08 16:00:00+00:00--2019-01-08 03:59:59+00:00

6、Reference method

References to data:

ZHANG Qian, Linxiu ZHANG. The regional poverty rate of the countries along the Silk Roads (2012-2018). A Big Earth Data Platform for Three Poles, 2020

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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