A Big Earth Data Platform for Three Poles

**Dataset of urban land and urbanization index on the Tibetan Plateau (2018, 2019)**

1、Description

The dataset of urban land and urbanization index on the Tibetan Plateau mainly includes the spatial distribution data of all urban land on the Tibetan Plateau (2019) and urbanization index of different scales (2018). The dataset of urban land was obtained by the visual interpretation of Google Earth images (2019), and the residential place and residential area data of "1:250000 national basic geographic database - 2015 edition". The dataset of urbanization index was based on the composite night light index (CNLI) at the regional, provincial, watershed, prefecture, and county scales calculated from the night light data of Luojia-1. Our dataset will support the study of optimizing the ecological security barrier system in the key urbanization areas of the Tibetan Plateau

2、Keywords

Theme：Night light,Human-nature Remote Sensing  
Discipline：Human-nature Relationship  
Places：Key urbanized area of Qinghai-Tibet Plateau  
Time：2018, 2019

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：8.79MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.83 | - |
| west：73.45 | - | east：104.67 |
| - | south：25.99 | - |

5、Time frame:None--None

6、Reference method

References to data:

Wang Yihang, HE Chunyang, LIU Zhifeng. Dataset of urban land and urbanization index on the Tibetan Plateau (2018, 2019). A Big Earth Data Platform for Three Poles, doi:10.11888/HumanNat.tpdc.2729542020

References to articles:

Wang, Y.H., Liu Z.F., He C.Y., Xia P., Liu, Z.W, Liu, H.M. (2020). Quantifying urbanization levels on the Tibetan Plateau with high-resolution nighttime light data. Geography and Sustainability, 1(3), 233-244.

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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