A Big Earth Data Platform for Three Poles

**Human activity data of key regions in Qilian Mountains (2020)**

1、Description

This data set is the human activity data in the key areas of Qilian Mountain in 2020. Based on the data of mining, illegal house renovation, new roads, land leveling and ecological restoration in the key areas of Qilian Mountain, the Gaofen-1, Gaofen-2 and ZY3 high-resolution remote sensing images to compare the changes before and after statistical analysis. in the key areas of Qilian Mountain, the changes of land types are investigated and verified block by block; in the areas with suspicious maps, re-interpretation and verification; in the areas with unreflecting images, field verification is carried out to collect relevant data, check and correct the location. At the same time, it further checks the attribute information of mining, illegal house renovation, new roads, land leveling and ecological restoration in the key areas of Qilian Mountain in 2020, and unifies the input and editing of the patches and their attributes, forming the data set of 2m spatial resolution human activities in the key areas of Qilian Mountain in 2020, realizing the current situation and timeliness of ecological management in the key areas of Qilian Mountain, and providing data support for the monitoring of human activities in the key areas of Qilian Mountain in 2020.

2、Keywords

Theme：Human-nature Remote Sensing,Human activity
Discipline：Human-nature Relationship
Places：in the key areas of Qilian Mountain
Time：2020

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：1157.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.0 | - |
| west：95.0 | - | east：103.0 |
| - | south：36.0 | - |

5、Time frame:2019-12-31 16:00:00+00:00--2020-12-30 16:00:00+00:00

6、Reference method

References to data:

ZHANG Jinlong, QI Yuan, ZHOU Shengming, WANG Hongwei, YUAN Jing. Human activity data of key regions in Qilian Mountains (2020). A Big Earth Data Platform for Three Poles, doi:10.11888/Socioeco.tpdc.2713912021

References to articles:

Qi, Y., Lian, X.H., Wang, H.W., Zhang, J.L., & Yang, R. (2020). Dynamic mechanism between human activities and ecosystem services: A case study of Qinghai lake watershed, China. Ecological Indicators. 117. 106528. 10.1016/j.ecolind.2020.106528.

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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