A Big Earth Data Platform for Three Poles

**Remote sensing inversion dataset of the spatial distribution of the Qilian Mountains "Mountains, Waters, Forests, Farmland, Lakes and Grassland"(1985-2020)**

1、Description

The dataset of landuse types in Qilian Mountains National Park in 1985 is a vector dataset based on the remote sensing monitoring dataset of the current landuse situation in China by CAS, which is obtained through cropping and splicing operations. The data production production is vector data generated by manual visual interpretation using Landsat TM/ETM remote sensing images as the main data source. 3 datasets for 2000-2020 are raster datasets with 30m resolution based on GlobeLand30 global 30m ground cover data, obtained through mask extraction and other operations. The land use types of all datasets include 10 primary types of cropland, forest, shrubland, grassland, wetland, water, tundra, impervious surface, bareland, glacier, and permanent snow. The data products can detect most of the land cover changes caused by human activities, which is very important in practical applications. This data can be used to analyze the historical land use types in the Qilian Mountains region and to analyze the changes of land use types in the Qilian Mountains region in combination with the current landuse type data.

2、Keywords

Theme：Land cover products,Others,Land Use/Land Cover
Discipline：Terrestrial Surface,Remote Sensing Technology
Places：Qilian Mountains
Time：2000, 2010, 2020, 1985

3、Data details

1.Scale：None

2.Projection：

3.Filesize：1163.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.0 | - |
| west：95.0 | - | east：105.0 |
| - | south：36.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

NIAN Yanyun. Remote sensing inversion dataset of the spatial distribution of the Qilian Mountains "Mountains, Waters, Forests, Farmland, Lakes and Grassland"(1985-2020). A Big Earth Data Platform for Three Poles, 2022

References to articles:

7、Supporting project information

8、Data resource provider

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