A Big Earth Data Platform for Three Poles

**Cropland spatial dataset of Brahmaputra River and Its Two Tributaries in 1730**

1、Description

Tibetan Plateau with high altitude,cold climate,poor natural conditions and fragile ecological environment become the sensitive and promoter region of global climate change.Studying for Land reclamation of historical period in Qinghai-Tibet Plateau is not only the specific way to participate in the global environmental change, but also can provide the comprehensive research of land use change with abundant regional information,there is important significance for studying history in our country even the whole world of land use/cover change research.The region of Brahmaputra River and its two tributaries in Tibetan Plateau pastoral transitional zone is one of the important typical agricultural area, and is the area with the most intense land reclamation activities and the fastest population growing.Proceeding deep historical data mining in the study area to reconstruct the cropland spatial patterns over the past 300 years has important significance to study the human land use activities under the background of global climate change. This data contains raster data on the spatial distribution pattern of arable land in Brahmaputra River and Its Two Tributaries in 1730 with a spatial resolution of 500m\*500m.The data of cultivated land in 1730 comes from tiehu Inventory，the missing data of two counties were interpolated.The land area recorded in the data is converted into modern mu units, and the missing counties are calculated using the area's per capita cultivated land and population.

2、Keywords

Theme：Land use,Land Resources
Discipline：Human-nature Relationship
Places：Brahmaputra river and its two tributaries
Time：1730

3、Data details

1.Scale：6000000

2.Projection：

3.Filesize：0.38MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：31.2 | - |
| west：87.0 | - | east：92.35 |
| - | south：28.2 | - |

5、Time frame:None--None

6、Reference method

References to data:

GU Xijing, LIU Fenggui. Cropland spatial dataset of Brahmaputra River and Its Two Tributaries in 1730. A Big Earth Data Platform for Three Poles, doi:10.11888/HumanNat.tpdc.2720042021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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