A Big Earth Data Platform for Three Poles

**Agricultural land sensitivity classification map of Qinghai Tibet Plateau (2015)**

1、Description

In this study, the cultivated land, forest land and grassland of the Qinghai Tibet Plateau in 2015 were taken as the evaluation objects to analyze the terrain, climate, soil and vegetation factors (terrain: altitude, slope; climate: sunshine hours, ≥ 0 ℃ accumulated temperature, annual average precipitation; soil: soil texture, soil erosion intensity, soil layer thickness; vegetation: vegetation type, NDVI) that have significant impact on land sensitivity and establish agriculture Land sensitivity evaluation index system. Using AHP method to determine the weight of evaluation factors, according to the ArcGIS Jerks classification method to get the sensitivity level of cultivated land, forest land and grassland, output 250m resolution of the Qinghai Tibet Plateau agricultural land sensitivity map, and verify the results.

2、Keywords

Theme：Agricultural Resources,Land Resources
Discipline：Human-nature Relationship
Places：Qinghai-Tibet Plateau
Time：2015

3、Data details

1.Scale：None

2.Projection：Albers

3.Filesize：13.2MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：26.0 | - |
| west：73.0 | - | east：104.0 |
| - | south：39.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

YAO Minglei. Agricultural land sensitivity classification map of Qinghai Tibet Plateau (2015). 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

name: YAO Minglei
unit: Wuhan University
email: yaominglei@whu.edu.cn