A Big Earth Data Platform for Three Poles

**The future distribution of amphibian and reptile species in different areas of Qinghai Tibet Plateau (2050, 2070)**

1、Description

Anthropogenic global climatic changes (GCC) are threatening the biodiversity. To better protect the biodiversity of Qinghai-Tibet Plateau (QTP), better prediction of the impacts of GCC is essential. Based on long time field surveys and throughly literature studying, we obtained distribution data for 12 endemic amphibian and reptile species of QTP. To control the quality of the data, we only used the species distribution points with genetic data. We build species distribution using the maximum-entropy approach (Maxent). Then we predicted the distribution of potential suitable habitats in future. Our studies are important in biodiversity conservation

2、Keywords

Theme：Biological Resources,Model prediction,Reptiles,Herpetofauna  
Discipline：Human-nature Relationship  
Places：Pan-Third pole, Qinghai-Tibetan Plateau  
Time：2050, 2070

3、Data details

1.Scale：None

2.Projection：

3.Filesize：3.14MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：41.0 | - |
| west：74.0 | - | east：109.0 |
| - | south：25.0 | - |

5、Time frame:2019-12-27 16:00:00+00:00--2070-12-27 16:00:00+00:00

6、Reference method

References to data:

CHE Jing. The future distribution of amphibian and reptile species in different areas of Qinghai Tibet Plateau (2050, 2070). A Big Earth Data Platform for Three Poles, 2019

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

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