A Big Earth Data Platform for Three Poles

**Data list of the first field sampling on mammal diversity at Yarlung Zangbo Grand Canyon National Nature Reserve (2018-2019)**

1、Description

From October to November 2018, we used both live traps and camera traps to collect mammal diversity and distributions along the elevational gradients at the Yarlung Zangbo Grand Canyon National Nature Reserve. Small mammal diversity and abundance were collected at 5 elevational belts range between 2600m and 3500m above sea level, with a total of 2776 live trap nights. We collected 439 individuals and 878 tissue samples of small mammals during the first field sampling. We also located 60 camera traps along elevational gradient range between 1050m and 3960m asl, and plan to collect the camera trapping data in May 2019. Small mammal data consist of richness, abundance, traits, environmental gradients etc, and could be used to model relationship between environmental gradients and traits concatenated by richness matrix. Camera trap data could inventory endangered species in the region, and provide information to identify biodiversity hotspots and conservation priorities.

2、Keywords

Theme：Biological Resources,Species diversity  
Discipline：Human-nature Relationship  
Places：nature reserve, Yarlung Zangbo Grand Canyon  
Time：2018-2019

3、Data details

1.Scale：None

2.Projection：

3.Filesize：16.4MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：90.0 | - |
| west：29.3 | - | east：29.7 |
| - | south：90.0 | - |

5、Time frame:2018-10-24 16:00:00+00:00--2019-01-08 16:00:00+00:00

6、Reference method

References to data:

LI Xueyou. Data list of the first field sampling on mammal diversity at Yarlung Zangbo Grand Canyon National Nature Reserve (2018-2019). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2703612019

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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