A Big Earth Data Platform for Three Poles

**Species list and distribution of gammarids in Tibet**

1、Description

Based on fieldworks of the Tibetan Plateau and the Pan-Third Pole from 2000 to 2018, the species diversity and distribution database of gammarids (Crustacea, Amphipoda) was built. Gammarids are pilot species in alpine lakes and suitable to serve as indicators for climate change. In order to understand how climate change and geological events influence the diversification of specie and how, in turn, animals adapt to ecological changes, the richness of species and related ecological and distributional data were collected. The species were identified according to the book of Fauna Sinica Crustacea Amphipoda Gammaridea III. The species diversity and distribution patterns were analyzed based on this dataset. This dataset can be used to evaluate the species diversity and to give a background for biodiversity conservation.

2、Keywords

Theme：Biological Resources,Crustacea,Gammarids  
Discipline：Human-nature Relationship  
Places：Pan-Third pole, Tibetan Plateau  
Time：2018

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.07MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.0 | - |
| west：70.0 | - | east：105.0 |
| - | south：26.0 | - |

5、Time frame:2018-03-11 00:00:00+00:00--2019-01-10 11:59:59+00:00

6、Reference method

References to data:

HOU Zhonge. Species list and distribution of gammarids in Tibet. A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2705092019

References to articles:

侯仲娥，李枢强，郑亚咪. 中国动物志甲壳动物亚门端足目钩虾亚目(三). 2019

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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