A Big Earth Data Platform for Three Poles

**Climatic and environmental changes since the last Interglacial in central Asia**

1、Description

In order to find out the climate and environmental changes since the last interglacial period in Central Asia, the earth ring Institute of Chinese Academy of Sciences, taking tree rings, lakes, stalagmites and loess as carriers, conducted in-depth research on their evolution from different aspects. The tree ring group collected tree ring samples and obtained the data of tree ring width in alagan, Yuli County, Xinjiang; The lake marsh formation collected lake marsh sediments in Kashgar basin and obtained 137cs-210pb, LOI δ 18O data; The stalagmites collected by the stalagmite formation in qiongguo cave, Qinghai Tibet Plateau have obtained carbon and oxygen isotopes, test age and element test data; The comprehensive group obtained the XRF and multi parameter data of peat in Longmucuo and dangyayongcuo lakes, the particle size of Longmucuo in Lop Nur, Xinjiang and Tibet, the magnetic susceptibility of peat in Kashgar and Longmucuo lakes, and the TOC data of Zhaosu; The Loess group obtained the OSL ages, MS and carbon epitope data of the Loess of xiaoerbu, Zhaosu and Qingshuihe in Xinjiang. It provides strong scientific data support for climate and environmental changes since the last interglacial period in Central Asia.

2、Keywords

Theme：Tree rings,Lacustrine Sediments,Loess,Stalagmite records,Loess,Sediments,Tree-ring,Speleothem
Discipline：Palaeoenvironment
Places：Tibet, Tibetan Plateau, Xinjiang
Time：the past 5000 cal yr BP

3、Data details

1.Scale：None

2.Projection：

3.Filesize：5.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：44.0 | - |
| west：66.0 | - | east：90.0 |
| - | south：36.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

SONG Yougui , LIU Xingxing , LI Qiang , LAN Jianghu , TAN Liangcheng . Climatic and environmental changes since the last Interglacial in central Asia. A Big Earth Data Platform for Three Poles, doi:10.11888/Paleoenv.tpdc.2722612022

References to articles:

7、Supporting project information

8、Data resource provider

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