A Big Earth Data Platform for Three Poles

**Element geochemical data of different grain-size fractions of the Stari Slankamen loess section in Serbia**

1、Description

This data set is composed of principal and trace element analysis data of different particle size components of stari slankamen loess comprehensive profile in Serbia. There are two sets of particle size samples in total. One set is divided according to the Uddin Wentworth particle size standard. A single sample is divided into six particle size samples, which are < 2 μ m、2-4 μ m、4-8 μ m、8-16 μ m、16-32 μ M and 32-63 μ M component, 102 samples in total; The other set divides a single sample into < 10 μ M and 10-63 μ M two components, a total of 52 samples. The contents of major and trace elements in each sample were determined by Axios wavelength dispersive X-ray fluorescence spectrometer (XRF) manufactured by panalytical company and nexion300d inductively coupled plasma mass spectrometry (ICP-MS) manufactured by Perkin Elmer company, The experimental analysis was completed in the Key Laboratory of Cenozoic geology and environment, Chinese Academy of Sciences and the Institute of analysis and testing, Beijing Institute of geology, China nuclear industry. The data can be applied to determine the particle size effect of element geochemical indexes of loess in the westerly affected area, and has important guiding significance for loess provenance discrimination and paleoclimate research by using element geochemical indexes.

2、Keywords

Theme：Major element,Loess,Loess,Paleoclimate Reconstruction,Trace element
Discipline：Palaeoenvironment
Places：Serbia
Time：since one million years

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.07MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：45.13 | - |
| west：20.3 | - | east：20.3 |
| - | south：45.13 | - |

5、Time frame:None--None

6、Reference method

References to data:

HAO Qingzhen. Element geochemical data of different grain-size fractions of the Stari Slankamen loess section in Serbia. A Big Earth Data Platform for Three Poles, doi:10.11888/Paleoenv.tpdc.2716942021

References to articles:

武雪超. (2020). 基于分粒级地球化学组成的塞尔维亚Stari Slankamen剖面黄土物源研究. 中国科学院大学, 北京.

7、Supporting project information

Comparative study of past climate changes at multi-timescale in East Asian monsoon region and Westerly zone
NSFC Basic Research Center Program: Continental Evolution and Earth’s monsoon System
NSFC National Science Fund for Distinguished Young Scholars: Quaternary Geology

8、Data resource provider

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