A Big Earth Data Platform for Three Poles

**Digital soil mapping dataset of soil texture (soil particle-size fractions) in the upstream of the Heihe river basin (2012-2016)**

1、Description

Select the soil mechanical composition data of 0-20cm depth of soil surface, select the optimal spatial prediction mapping method of soil composition data, and make the spatial distribution data product of soil texture (particle size composition). The American system classification is used as the standard of soil particle classification. The source data of this data set comes from the soil sampling data integrated by the data center of cold and dry areas and the major research plan integration project of Heihe River Basin (spatial interpolation and dynamic simulation analysis of vegetation and environmental elements in the upper reaches of Heihe River basin / approval No. 91325204).

2、Keywords

Theme：Soil,Soil texture  
Discipline：Terrestrial Surface  
Places：Heihe River Basin  
Time：2012-2016

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：12.0MB

4.Data format：img

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.82 | - |
| west：97.34 | - | east：101.83 |
| - | south：37.72 | - |

5、Time frame:2012-06-09 00:00:00+00:00--2016-09-08 00:00:00+00:00

6、Reference method

References to data:

ZHAO Na, YUE Tianxiang. Digital soil mapping dataset of soil texture (soil particle-size fractions) in the upstream of the Heihe river basin (2012-2016). A Big Earth Data Platform for Three Poles, doi:10.11888/Soil.tpdc.2705972016

References to articles:

7、Supporting project information

8、Data resource provider

name: YUE Tianxiang  
unit: Institute of Geographic Sciences and Natural Resources Research,Chinese Academy of Sciences  
email: yue@lreis.ac.cn  
  
name: ZHAO Na  
unit:   
email: zhaon@lreis.ac.cn