A Big Earth Data Platform for Three Poles

**Digital soil mapping dataset of soil texture (soil particle-size fractions)in the Tianlaochi basin (2012-2014)**

1、Description

Select the soil mechanical composition data with a depth of 0-20cm on the surface of the soil, select the optimal spatial prediction mapping method for soil composition data, and make the spatial distribution data product of soil texture (particle size composition). The classification standard of soil particle size is American classification. The source data of this data set are from the data center of cold and drought regions, soil physical properties-soil bulk density and mechanical composition data set soil sampling profile data of Tianlaochi watershed in Qilian mountain.

2、Keywords

Theme：Soil,Soil texture  
Discipline：Terrestrial Surface  
Places：Heihe River Basin  
Time：2012-2014

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：12.0MB

4.Data format：tiff

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.33 | - |
| west：99.73 | - | east：99.98 |
| - | south：38.5 | - |

5、Time frame:2012-06-13 03:00:00+00:00--2014-08-13 03:00:00+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 Tianlaochi basin (2012-2014). A Big Earth Data Platform for Three Poles, doi:10.11888/Soil.tpdc.2705962016

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