A Big Earth Data Platform for Three Poles

**Digital soil mapping dataset of soil pH in the Heihe river basin (2012-2014)**

1、Description

Using digital soil mapping method to produce soil surface pH spatial distribution data products. The source data of this data set comes from the soil profile data integrated by the major research plan integration project of Heihe River Basin (soil data integration and soil information product generation of Heihe River Basin, 91325301).

2、Keywords

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

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：472.0MB

4.Data format：黑河流域数字土壤制图产品（第二版）：土壤pH分布数据集

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.687 | - |
| west：97.0667 | - | east：101.99 |
| - | south：37.6893 | - |

5、Time frame:None--None

6、Reference method

References to data:

ZHANG Ganlin. Digital soil mapping dataset of soil pH in the Heihe river basin (2012-2014). A Big Earth Data Platform for Three Poles, doi:10.11888/Geogra.tpdc.2705932017

References to articles:

Song, X.D., Brus, D.J., Liu, F., Li, D.C., Zhao, Y.G., Yang, J.L., Zhang, G.L. (2016). Mapping soil organic carbon content by geographically weighted regression: A case study in the Heihe River Basin, China. Geoderma, 261, 11–22.

7、Supporting project information

8、Data resource provider

name: ZHANG Ganlin  
unit:   
email: glzhang@issas.ac.cn