A Big Earth Data Platform for Three Poles

**Basic dataset of soil over the Great Lakes in Central Asia - Soil (2015)**

1、Description

Soil is mineral particles of different sizes formed by weathering of rocks. Soil not only provides nutrients and water for crops, but also has a transforming effect on various nutrients. In addition, the soil also has a self-cleaning function, which can improve organic matter content, soil temperature and humidity, pH value, anion and cation. The soil pollution causes several environmental problems: industrial sewage, acid rain, exhaust emissions, accumulations, agricultural pollution. After the land is polluted, the contaminated tops with high concentration of heavy metals are easily entered under the action of wind and water. Other secondary ecological and environmental problems such as air pollution, surface water pollution, groundwater pollution and ecosystem degradation in the atmosphere and water.he data set comes from the World Soil Database (Harmonized World Soil Database version 1.1) (HWSD) UN Food and Agriculture (FAO) and the Vienna International Institute for Applied Systems Research Institute (IIASA) constructed, which provides data model input parameters for the modeler, At the same time, it provides a basis for research on ecological agriculture, food security and climate change.

2、Keywords

Theme：Soil
Discipline：Terrestrial Surface
Places：Central Asia Great Lakes
Time：2015

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：45.1MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：55.45 | - |
| west：46.49 | - | east：87.31 |
| - | south：35.14 | - |

5、Time frame:2015-01-04 16:00:00+00:00--2016-01-04 03:59:59+00:00

6、Reference method

References to data:

Food and Agriculture Organization of the United Nation FAO. Basic dataset of soil over the Great Lakes in Central Asia - Soil (2015). A Big Earth Data Platform for Three Poles, 2019

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

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