A Big Earth Data Platform for Three Poles

**The spatial distribution data set of transportation, water systemand other infrastructure in hanbantota and Colombo area (2016-2018)**

1、Description

The spatial distribution data set of infrastructures such as traffic and water system in the areas of hambantota and Colombo (2016-2018) is obtained by extracting classification information from high-resolution remote sensing images. Based on the 1-2m remote sensing image data, the distribution information of road, water, coastline, and coastal facilities are extracted respectively. On this basis, the road, and other layers of OSM are superimposed with the extracted results and images. Through visual inspection, errors are found and the extracted results are corrected. Finally, the hambantota node area dataset is formed road, water system, coastline, and coastal facilities distribution layer of the region. This data set contains the data information of two key node regions of hambantota and Colombo.

2、Keywords

Theme：Transportation,Traffic  
Discipline：Human-nature Relationship  
Places：Sri Lanka  
Time：year

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：66.64MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：57.4 | - |
| west：-1.5 | - | east：107.0 |
| - | south：-6.3 | - |

5、Time frame:2015-12-31 16:00:00+00:00--2018-12-30 16:00:00+00:00

6、Reference method

References to data:

The spatial distribution data set of transportation, water systemand other infrastructure in hanbantota and Colombo area (2016-2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Geogra.tpdc.2710472020

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