A Big Earth Data Platform for Three Poles

**DEM data of economic corridors in Silk Road**

1、Description

DEM data of economic corridors in Silk Road can reflect the altitude of the six economic corridors, the unit is meter(m). The spatial resolution of the data is 0.016 degrees, which is about 1.8km. The longitude range is 12.09°E-180°, and the latitude range is 10.99°S-90°N. The source is derived from the Global Relief Model built by the National Oceanic and Atmospheric Administration of the United States (NOAA). The range is cut by the border of the Silk Road. This data is one of the basic data necessary to assess the risks of natural disasters (including debris flows, landslides, flash floods, etc.) in the six economic corridors. The application frequency will be high and the prospects will be broad.

2、Keywords

Theme：Digital elevation model,Topography
Discipline：Terrestrial Surface
Places：six economic corridors
Time：2018

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：26.54MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：90.0 | - |
| west：12.09 | - | east：180.0 |
| - | south：-10.99 | - |

5、Time frame:2018-01-06 16:00:00+00:00--2019-01-05 16:00:00+00:00

6、Reference method

References to data:

The National Oceanic and Atmospheric Administration of the United States (NOAA), ZOU Qiang. DEM data of economic corridors in Silk Road. 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

name: The National Oceanic and Atmospheric Administration of the United States (NOAA)
unit: The National Oceanic and Atmospheric Administration of the United States (NOAA)
email: none

name: ZOU Qiang
unit: Institute of Mountain Hazards and Environment, Chinese Academy of Sciences
email: zouqiang@imde.ac.cn