A Big Earth Data Platform for Three Poles

**Seismotectonic Map of Western Asia (1960-2019)**

1、Description

We compiled the Seismotectonic Map of Western Asia using the ArcGIS platform through data collecting and digitization. The seismotectonic map of Western Asia covers Iran and its surrounding countries and regions. Based on the “Major active faults of Iran” map, the seismotectonic map is replenished with massive published data and depicts the location and nature of the seisogenic faults or active faults and the epicenter of earthquakes with M ≥ 5 from 1960 to 2019. The map can not only be used in the research of active faults and seismic risks in Western Asia, but also will be applied to the seismic safety evaluation for infrastructure construction.

2、Keywords

Theme：seismotectonics,Tectonics,Natural Disaster,Earthquakes
Discipline：Human-nature Relationship,Solid earth
Places：Pan-third pole
Time：Nearly 50 years, 1960-2019

3、Data details

1.Scale：None

2.Projection：

3.Filesize：83.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：40.0 | - |
| west：45.0 | - | east：65.0 |
| - | south：25.0 | - |

5、Time frame:1960-01-09 08:00:00+00:00--2020-01-08 08:00:00+00:00

6、Reference method

References to data:

LIU Zhicheng. Seismotectonic Map of Western Asia (1960-2019). A Big Earth Data Platform for Three Poles, 2020

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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