A Big Earth Data Platform for Three Poles

**Spatial distribution data set of extreme precipitation vulnerability in Yangon deepwater port area (2019)**

1、Description

The area of the data set is the central urban area of Yangon deep water port. The data set is based on the spatial distribution data set of extreme precipitation disaster vulnerability (2019) and refers to its evaluation index system. When evaluating the vulnerability of extreme precipitation disaster in Yangon deepwater port area, the disaster reduction ability and sensitivity index are considered. The disaster reduction ability is negatively correlated with vulnerability, and the sensitivity is positively correlated with vulnerability. Disaster reduction capacity considers the density of impervious surface, road network and emergency rescue facilities; sensitivity considers the local land cover types, including farmland, urban and road crisscross. When extreme precipitation disaster occurs, high vulnerability areas will suffer more serious losses, and the reconstruction is more difficult.

2、Keywords

Theme：Extreme Precipitation,Natural Disaster
Discipline：Human-nature Relationship
Places：Burma Port, Yangon, Djibouti, Mandalay, Port of Hambantota, Port of Colombo, Taiyong Rayong Industrial Zone, Bangkok
Time：2019-2020

3、Data details

1.Scale：10

2.Projection：

3.Filesize：118.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：17.1 | - |
| west：95.9 | - | east：96.4 |
| - | south：16.5 | - |

5、Time frame:2018-12-31 16:00:00+00:00--2019-12-30 16:00:00+00:00

6、Reference method

References to data:

GE Yong, LI Qiangzi, LI Yi. Spatial distribution data set of extreme precipitation vulnerability in Yangon deepwater port area (2019). A Big Earth Data Platform for Three Poles, doi:10.11888/Disas.tpdc.2710552020

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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