A Big Earth Data Platform for Three Poles

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

1、Description

The evaluation area of the data set is the central urban area of Yangon deepwater port. The data set is based on the extreme precipitation disaster risk spatial distribution data set (2019) and its evaluation index system. The data set considers both precipitation risk and terrain risk. Among them, precipitation risk index includes extreme precipitation intensity index and extreme precipitation frequency index, both of which are obtained from GPM precipitation data. Terrain risk mainly considers elevation index. Finally, the risk assessment results of extreme precipitation disaster are obtained. The probability and intensity of extreme precipitation disaster in high risk area are higher than those in low risk area.

2、Keywords

Theme：Extreme Precipitation,Natural Disaster,Flood,Disaster
Discipline：Human-nature Relationship
Places：Yongon
Time：2019-2020

3、Data details

1.Scale：10

2.Projection：WGS84

3.Filesize：118.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：17.1 | - |
| west：95.9 | - | east：96.0 |
| - | 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 disaster risk in Yangon deepwater port area (2019). A Big Earth Data Platform for Three Poles, doi:10.11888/Disas.tpdc.2710562020

References to articles:

Ma, Z.Q., Xu, J.T., Zhu, S.Y., Yang, J., Tang, G.Q., Yang, Y.J., Shi, Z., and Hong, Y. (2020). AIMERG: a new Asian precipitation dataset (0.1°/half-hourly, 2000–2015) by calibrating the GPM-era IMERG at a daily scale using APHRODITE, Earth Syst. Sci. Data, 12, 1525–1544, https://doi.org/10.5194/essd-12-1525-2020.

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: GE Yong
unit: Institute of Geographic Sciences and Natural Resources Research, CAS
email: gey@lreis.ac.cn

name: LI Yi
unit:
email: liyi@aircas.ac.cn

name: LI Qiangzi
unit:
email: liqz@aircas.ac.cn