A Big Earth Data Platform for Three Poles

**1 km monthly potential evapotranspiration dataset in China (1990-2021)**

1、Description

2、Keywords

Theme：Lysimeter,Potential evapotranspiration  
Discipline：Atmosphere  
Places：China  
Time：long term, 1990-2021

3、Data details

1.Scale：None

2.Projection：WGS84

3.Filesize：7200.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：58.6354573584943 | - |
| west：71.285888671875 | - | east：136.694222005205 |
| - | south：15.752124025163 | - |

5、Time frame:None--None

6、Reference method

References to data:

PENG Shouzhang. 1 km monthly potential evapotranspiration dataset in China (1990-2021). A Big Earth Data Platform for Three Poles, doi:10.11866/db.loess.2021.0012022

References to articles:

Peng, S.Z., Ding, Y.X., Wen, Z.M., Chen, Y.M., Cao, Y., & Ren, J.Y. (2017). Spatiotemporal change and trend analysis of potential evapotranspiration over the Loess Plateau of China during 2011-2100. Agricultural and Forest Meteorology, 233, 183-194. https://doi.org/10.1016/j.agrformet.2016.11.129  
  
Ding, Y.X., Peng, S.Z. (2021). Spatiotemporal change and attribution of potential evapotranspiration over China from 1901 to 2100. Theoretical and Applied Climatology. https://doi.org/10.1007/s00704-021-03625-w  
  
Ding, Y.X., & Peng, S.Z. (2020). Spatiotemporal trends and attribution of drought across China from 1901–2100. Sustainability, 12(2), 477.  
  
Peng, S.Z., Ding, Y.X., Liu, W.Z., & Li, Z. (2019). 1 km monthly temperature and precipitation dataset for China from 1901 to 2017. Earth System Science Data, 11, 1931–1946. https://doi.org/10.5194/essd-11-1931-2019

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program  
National Natural Science Foundation of China

8、Data resource provider

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