A Big Earth Data Platform for Three Poles

**Net primary productivity data set of the Tibetan Plateau (1980-2018)**

1、Description

The data set is based on the NPP simulated by 16 dynamic global vegetation models (TRENDY v8) under S2 Scenario (CO2+Climate) and represents the net primary productivity of the ecosystem. Data was derived from Le Quéré et al. (2019). The range of source data is global, and the Qinghai Tibet plateau region is selected in this data set. Original data is interpolated into 0.5\*0.5 degree by the nearest neighbor method in space, and the original monthly scale is maintained in time. The data set is the standard model output data, which is often used to evaluate the temporal and spatial patterns of gross primary productivity, and compared with other remote sensing observations, flux observations and other data.

2、Keywords

Theme：Net primary productivity,Social and Economic  
Discipline：Human-nature Relationship  
Places：Tibetan Plateau  
Time：1980-2018, time series

3、Data details

1.Scale：None

2.Projection：

3.Filesize：150.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：39.83 | - |
| west：73.45 | - | east：104.67 |
| - | south：25.99 | - |

5、Time frame:1979-12-31 16:00:00+00:00--2018-12-30 16:00:00+00:00

6、Reference method

References to data:

STEPHEN Sitch. Net primary productivity data set of the Tibetan Plateau (1980-2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2712952021

References to articles:

Friedlingstein, P., Jones, M.W., O'Sullivan, M. et al. (2019). Global Carbon Budget 2019. Earth Syst. Sci. Data, 11(4), 1783-1838.

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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