A Big Earth Data Platform for Three Poles

**Gross Primary Productivity (GPP) dataset of Tibetan Plateau (1980-2018)**

1、Description

The data set is based on the GPP simulated by 16 dynamic global vegetation models (TRENDY v8) under S2 Scenario (CO2+Climate) and represents the gross primary productivity of the ecosystem. Data was derived from Le Qu é r é 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：Forest ecosystem,Vegetation,Climate change,Earth SurFace Processes,Carbon flux,Forest,Social and Economic,Phenology,Gross primary product,Forest coverage,Plant functional types,Gross Primary Productivity,Different vegetation types
Discipline：Terrestrial Surface,Human-nature Relationship
Places：Tibetan Plateau
Time：1980-2018, time series

3、Data details

1.Scale：None

2.Projection：

3.Filesize：160.0MB

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. Gross Primary Productivity (GPP) dataset of Tibetan Plateau (1980-2018). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecolo.tpdc.2712942021

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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