A Big Earth Data Platform for Three Poles

**The observation dataset of the Guoluo meadow ecosystem on the Tibetan Plateau (2005-2009)**

1、Description

This data set includes biomass survey data observed from the carbon flux station in the Guoluo Army Ranch in Qinghai from 2005 to 2009.
Carbon flux data observation method: vorticity-related observation instruments were used for automatic recording; biomass observation method: harvest method, weighing in a 60-degree oven for 48 hours. The carbon flux data were automatically recorded by the instruments and manually checked.
Observations and data collection were carried out in strict accordance with the instrument operating specifications and were published in relevant academic journals. During the data observation process, the operation of the instrument and the selection of the observational objects were in strict accordance with professional requirements, and the data could be applied to plant leaf photosynthetic parameter simulation and production estimation.
1) Biological observational data of the Guoluo meadow ecosystem:
Date, site number, vegetation type, plot number, aboveground biomass (g/m²), underground biomass (g/m²), total biomass (g/m²)
2) Carbon flux observational data of the Guoluo meadow ecosystem:
Site number, date, vegetation type, soil type, water vapor flux (w/m²), carbon flux (mg/m²·S)
The fixed point observation data are of high precision.

2、Keywords

Theme：Grassland ecosystem,Soil,Vegetation,Biomass,vegetation species/Classification,Soil classification,Grassland
Discipline：Terrestrial Surface
Places：Guoluo, Tibetan Plateau
Time：

3、Data details

1.Scale：None

2.Projection：

3.Filesize：1.25MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：35.0 | - |
| west：100.0 | - | east：101.0 |
| - | south：34.0 | - |

5、Time frame:2005-01-09 00:00:00+00:00--2010-01-08 00:00:00+00:00

6、Reference method

References to data:

ZHAO Xinquan. The observation dataset of the Guoluo meadow ecosystem on the Tibetan Plateau (2005-2009). A Big Earth Data Platform for Three Poles, doi:10.11888/Ecology.tpe.17.db2018

References to articles:

7、Supporting project information

8、Data resource provider

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