A Big Earth Data Platform for Three Poles

**Projections of Socioeconomic development in the Mekong River basin**

1、Description

This data includes future population and GDP estimates based on the SSP2 scenario at the Mekong basin grid scale. The data comes from the global population projection data with a spatial resolution of 5 minutes (about 10km) and the GDP projection data with a spatial resolution of 0.5 degrees (about 50km) provided by the ISIMIP. The method of spatial interpolation is used to get 0.25-degree population projection data from 5-min population projection, and 0.5-degree GDP projection data is downscaled to obtain the 0.25 degree GDP data. The data provided by ISIMIP has passed the data with good quality control, and has not been further verified after data interpolation. The data can be used for the socio-economic impact assessment of climate change and extreme climate events in the Mekong River Basin.

2、Keywords

Theme：Population,Social and Economic,Water Resources
Discipline：Human-nature Relationship
Places：Mekong River Basin
Time：Future Climate Projection, Shared Socioeconomic Pathways

3、Data details

1.Scale：None

2.Projection：

3.Filesize：1.65MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：90.0 | - |
| west：180.0 | - | east：180.0 |
| - | south：90.0 | - |

5、Time frame:2010-01-07 00:00:00+00:00--2101-01-06 00:00:00+00:00

6、Reference method

References to data:

LIU Xingcai. Projections of Socioeconomic development in the Mekong River basin. A Big Earth Data Platform for Three Poles, 2019

References to articles:

7、Supporting project information

8、Data resource provider

name: LIU Xingcai
unit:
email: xingcailiu@igsnrr.ac.cn