A Big Earth Data Platform for Three Poles

**The CMIP3's projection of temperature and precipitation in Xinjiang (2010-2099)**

1、Description

The GCMs dataset used in this dataset is CMIP3 comparison plan data (A1B (Medium Carbon Emissions, Global Common Development Scenarios that Focus on Economic Growth), A2 (High Carbon Emissions, Focus on Regional development scenarios for economic growth) and B1 (low carbon emissions, global common development scenarios that emphasize environmentally sustainable development) from the 24 GCM outputs in IPCC AR4 provided by PCMDI. This dataset uses the Delta method for downscaling, uses the 20C3M dataset from 1961 to 1990 as a reference, and uses the SRES dataset from 2010 to 2099 as the future scenario.

2、Keywords

Theme：Precipitation,Temperature
Discipline：Atmosphere
Places：Xinjiang Uygur Autonomous Region
Time：2010-2099

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：1360.0MB

4.Data format：数字文档

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：52.0 | - |
| west：71.0 | - | east：96.0 |
| - | south：35.0 | - |

5、Time frame:2010-01-07 08:00:00+00:00--2100-01-06 08:00:00+00:00

6、Reference method

References to data:

LI Lanhai, LI Xuemei, Meng Xianyong, BAI Lei, CHEN Xi. The CMIP3's projection of temperature and precipitation in Xinjiang (2010-2099). A Big Earth Data Platform for Three Poles, doi:10.11888/Meteoro.tpdc.2705682016

References to articles:

李兰海, 白磊, 姚亚楠, & 杨青. (2012). 基于ipcc情景下新疆地区未来气候变化的预估. 资源科学, 34(4), 602-612.

7、Supporting project information

8、Data resource provider

name: Meng Xianyong
unit: College of Resources and Environment Sciences, China Agricultural University
email: xymeng@cau.edu.cn

name: BAI Lei
unit:
email: caecar1986@qq.com

name: CHEN Xi
unit:
email: none

name: LI Xuemei
unit:
email: none

name: LI Lanhai
unit:
email: lilh@ms.xjb.ac.cn