
A Multimodel Investigation of Atmospheric Mechanisms for Driving Arctic Amplification in Warmer Climates

A Data Management Plan created using DMPOnline

Project Personnel: Deepashree Dutta

Affiliation: The University of New South Wales

Start Date: 2018-08-01

End Date: 2019-12-01

Faculty: Faculty of Science

Faculty: Faculty of Science

School: Sch Biol, Earth & Environ Sci

RDMP Id: D0423268

DMPOnline Id: 8096

What is the highest/most secure data classification level that applies to any component of the data?:

Public

Project abstract:

Data for chapter 1 of PhD thesis of Deepashree Dutta

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Data Collection

Data for the article "A Multimodel Investigation of Atmospheric Mechanisms for Driving Arctic Amplification in Warmer Climates" is obtained from model experiments. The models used in the study are: the Community Atmosphere Model versions 4 (CAM4) and 5 (CAM5), the Australian Community Climate and Earth-System Simulator (ACCESS) version AM2 and the Hadley Centre Atmospheric Model version 3 (HadAM3). The control experiment is integrated with AMIP configuration while the perturbation experiments simulate polar amplified climates.

The datasets are in netcdf format and provides monthly mean global data.

- Network common data form (.nc)
- No

This dataset contains monthly mean variables from a set of experiments from four model outputs.

Python, NCO, CDO, MATLAB

Documentation and Metadata

The long-name describes the type of the variables

The directory "A Multimodel Investigation of Atmospheric Mechanisms for Driving Arctic Amplification in Warmer Climates" contains four folders: CAM4, CAM5, ACCESS and HadAM3. These folders contain monthly mean global variables from different experiments simulated with the respective models. The file names start with the name of the experiment, for example the files containing data for CAM4 control and Pol10 experiments are available in the 'CAM4' folder and named as Control_monthly_mean.nc and Pol10-monthly_mean.nc, respectively.

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Ethics and Legal Compliance

- UNSW
- UNSW

UNSW

I confirm that this research project and data do not require ethics approval.

Storage and Backup

In NCI's supercomputer Gadi

Question not answered.

- Institutional repository

Selection and Preservation

I have prepared the data after compressing and selecting the required variables from the original model outputs for long-term storage.

Question not answered.

Data Sharing

Question not answered.

Question not answered.

Question not answered.

Responsibilities and Resources

Question not answered.

Question not answered.

