

Climate Variability and Change Working Group

Co-Chairs:

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Liasons:

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http://www.cesm.ucar.edu/working_groups/Climate/

CVCWG Goals

To investigate mechanisms of climate variability and change, as well as to detect and attribute past climate changes, and to project and predict future changes.

To encourage analyses of model runs completed with CCSM4 and CESM1/CAM5.

Completed Model Simulations with CAM3/4 and CCSM3/4 :

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Climate/](http://www.cesm.ucar.edu/working_groups/Climate/)

Proposed Model Simulations (July 2012-Dec2013)

- 1) Long control simulations and large ensembles of 20th-century simulations with a hierarchy of model configurations (fully coupled, atmosphere-only, atmosphere/slab ocean) to explore patterns, time scales and mechanisms of climate variability and change.
- 2) Single-forcing and modified-forcing experiments for the 20th and 21st century to assess attribution of climate variability and change.
- 3) Overlapping series of decadal simulations to investigate decadal predictability.

- The CVCWG is a central element in the DOE/NCAR Cooperative Agreement, and also provides an interface with national (*e.g.* U.S. National Assessment) and international (*e.g.* IPCC) climate-change assessment activities.

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