

U.S. CLIVAR Hurricane Working Group

Co-leaders:

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Objectives:

- An improved understanding of interannual variability, and trends, in tropical cyclone activity from the beginning of the 20th century to the present.
- Quantifying changes in the characteristics of tropical cyclones under a warming climate.

Tasks:

- Define common experiments for model simulations by participating modeling group
- Supply common data sets and tropical cyclone metrics for those experiments
- Coordinate the evaluation and reporting of common experiments and the storage of model output
- Organize workshops to present and discuss the results

Activities:

- Archive of HWG models simulations output data at Lamont-Doherty Earth Observatory, Columbia University
- Contribution of 12 modeling groups to data archive
- 1st Workshop: January 2012, New Orleans, LA
- 2nd Workshop: June 2013, Princeton, NJ
- Journal of Climate special issue (in progress)

Future Activities:

- BAMS paper and Workshop summary report
- More contributions for Journal of Climate special issues
- Make data archive available for the climate community: host and date TBD
- Special Session at the AMS Tropical Meteorology and Hurricanes Conference – April 2014.