

CESM Climate Variability and Change Working Group Session
Tuesday, 18 June 2019
NCAR – Boulder, Colorado – Center Green Auditorium – Center Bay

>>>> *Webcast: <http://www.fin.ucar.edu/it/mms/cg-center-live.htm>* <<<<

The session will consist of short oral presentations, followed by CVCWG plans for the coming year and a discussion of the future of CESM.

SPEAKERS PLEASE NOTE: The time slot for each short talk is 10 minutes. Please plan to speak for NO MORE THAN 9.5 MINUTES (on the order of 5 or so slides) to allow a quick question and transition to the next speaker. To keep the session moving, we will enforce these time limits.

08:30

Session Chair – Susan Bates

Judith Berner – How does ENSO variability and regularity change in a warming climate? Results from the CESM large ensemble

Ruyan Chen – Model bias on simulating the North Pacific ENSO teleconnections during spring

Hui Ding – CMIP5 model-analog seasonal forecast skill: A metric for model evaluation of ENSO

Shang-Ping Xie – Extreme El Nino of March 2017: Coastal ocean-atmosphere coupling

John Fasullo – CESM insights into drivers of regional sea level rise in recent decades

Weiying Han – Multi-decadal trend patterns of the Indian Ocean regional sea level since the 1950s: Contribution from external forcing

Xichen Li – Recent mid-latitude Pacific easterly trends driven by tropical Atlantic-Indian SST forcing

Lei Zhang – Indian Ocean warming trend reduces Pacific warming response to anthropogenic greenhouse gases: An interbasin thermostat mechanism

Aixue Hu – New insights into variability and anthropogenic forcing of global / regional climate evolution

10:00 a.m.

Break

10:30 a.m.

Session Chair – Gerald Meehl

Lijuan Li – Development and evaluation of the FGOALS-g3

Wei Huang – Mass transportation of CESM

Chu-Chun Chen – Thermodynamic and dynamic responses to deforestation in the maritime continent: A modeling study

Kathy Pegion – Earth system prediction with The Subseasonal Experiment (SubX)

Flavio Lehner – Nonlinear drought response to anthropogenic forcing in CESM

Gabriel Vecchi – Tropical cyclone sensitivity to CO2 doubling: Roles of atmospheric resolution and background climate changes

Wei Liu – Arctic sea ice and the Atlantic Meridional Overturning Circulation in a warming climate

CVCWG plans and discussion of the future of CESM

12:15 p.m.

Adjourn