

CESM Climate Variability and Change Working Group Session
Tuesday, 19 June 2018
NCAR – Boulder, Colorado – Center Green Auditorium – Center Bay

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

SPEAKERS PLEASE NOTE: Though the time slot for each short talk is 8.5 minutes, please plan on speaking for NO MORE THAN 8 MINUTES (probably on the order of 4 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.

8:15 a.m.

Session Chair – Susan Bates

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

Mengrong Ding – Increased eddy activity in the northeastern Pacific during 1993-2011

Yassir Eddebbbar – The oceanic response to tropical eruptions: Insights from the CESM Large Ensemble

Jonathan Eliashiv – The use of a reliability budget with CESM-DART to discern model biases

Aixue Hu – Role of perturbing ocean initial condition in simulated regional sea level change

Flavio Lehner – Attributing the U.S. Southwest's recent shift into drier conditions

Yanjie Li – Diverse Rossby wave propagation behaviors from theoretical analysis and possible implications

Wei Liu – Southern Ocean heat uptake, redistribution and storage in a warming climate: The role of meridional overturning circulation

Jian Lu – The nonlinear climate feedbacks and ITCZ shift revealed by Q-flux Green's function experiments

Elizabeth Maroon – Sources of skill in decadal predictions of Sahel precipitation

Angie Pendergrass – The effect of aerosols on extreme precipitation change

Peihua Qin – Future precipitation extremes in China under climate change and their physical quantification based on a regional climate model and CMIP5 model simulations

10:00 a.m.

Break

10:30 a.m.

Session Chair – Gerald Meehl

Isla Simpson – Modeled and observed multi-decadal variability in the North Atlantic jet stream

Ryan Sriver – Effect of ocean-atmosphere coupling on global tropical cyclone activity and variability using CESM with 25km atmosphere resolution

Haiyan Teng – Circumglobal response to prescribed soil moisture over North America

Shanru Tian – The mechanism of influencing North America Monsoon System (NAMS) variability

Yu-heng Tseng – Could the North Pacific Oscillation be modified by the initiation of East Asian winter monsoon?

Gang Wang – Interannual to decadal variability of tropical Indian Ocean sea surface temperature: Pacific influence versus local internal variability

Jon-Ho Yoon – Concurrent increases in wet and dry extremes projected in Texas and combined effects on groundwater

Lei Zhang – Impact of Ningaloo Nino on tropical Pacific and an inter-basin coupling mechanism

Baird Langenbrunner – Why does Amazon precipitation decrease?

Bob Tomas – Climate responses to 11-year and lower frequency solar variations in The Last Millennium Ensemble

Co-chairs - CVCWG plans for the next year

12:00 p.m.

Adjourn