

CESM Climate Variability and Change Working Group Session
Tuesday, 20 June 2017
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 7.5 minutes, please plan on speaking for NO MORE THAN 7 MINUTES (probably on the order of 3 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.

- 8:30 a.m. ***Session Chair – Shang-Ping Xie***
Weiqing Han – Multi-decadal trend and space-time variability of Indian Ocean sea level since the 1960s: Effects of external forcing vs. internal climate modes

Lei Zhang – Unraveling the causes for the changing behavior of tropical Indian Ocean in the past few decades

Aixue Hu – Influence of internal climate variability on mitigating the projected future regional sea level rise

Mingfang Ting – Distinguishing forced modes from internal multi-decadal variability in the North Atlantic using CESM LENS

Zeyuan Hu – Impacts of interdecadal Pacific oscillation and Atlantic multidecadal oscillation on global ocean heat content distribution

Laura Fleming – The ocean’s effect on atmosphere heat transport

Naomi Goldenson – Using ensemble EOFs to identify ENSO precursors in the CESM

Tianyi Sun – Role of stochastic atmospheric forcing in tropical Pacific decadal variability and ENSO modulation

Pedro DiNezio – Predictions of returning La Nina for winter of 2017/18 using CESM1

Yoshimitsu Chikamoto – Multi-year predictions of North American climate, drought, and wildfire

Clara Deser – The relative contributions of tropical Pacific sea surface temperatures and atmospheric internal variability to the recent global warming hiatus
- 10:00 a.m. *Break*
- 10:30 a.m. ***Session Chair – Gerald Meehl***
Xichen Li – Sea surface temperature drives the sea surface height variability through atmosphere-ocean interactions

Wei Cheng – Quantifying salt-advection feedbacks in the GFDL and CESM pre-industrial control simulations

Ben Sanderson – Towards quantifying uncertainty in precipitation response to a warming climate in CESM

Angie Pendergrass – The uneven character of precipitation and its change

Isla Simpson – How well do we know the climatological characteristics of the North Atlantic jet and how do global climate models compare?

Zhen-Qiang Zhou – Evaluating AMIP skill in simulating interannual variability of summer rainfall over the Indo-Western Pacific

Xiaoqiong Li – Fast adjustments of the Asian summer monsoon to anthropogenic aerosols

Jin-Ho Yoon – Sensitivity of the Arctic climate forcing due to atmospheric physical parameterizations

Meina Wang – The future of wind energy in California: Future projections in VR-CESM

Co-chairs - CVCWG plans for the next year
- 12:00 p.m. *Adjourn*