

**CESM Climate Variability and Change Working Group**  
**27 February 2019**  
**Mesa Lab – Damon Room**  
**National Center for Atmospheric Research – Boulder, Colorado**

**Webcast Instructions:**

**AUDIO:** Dial this access number: 1-866-740-1260 – Enter access code **4971358**

**VIDEO:** Go to [www.readytalk.com](http://www.readytalk.com); under "join a meeting" enter access code **4971358**

9:00 *Coffee*

9:10 Welcome

Clara Deser

**Session 1: North Atlantic**

9:15 Was the 2015 North Atlantic cold blob predictable?

Liz Maroon

9:30 Role of the North Atlantic Ocean in low frequency climate variability

Fred Castruccio

9:45 The response of the Northwest Atlantic Ocean to climate change

Mike Alexander

10:00 The predictability of late winter precipitation in western Europe

Isla Simpson

10:15 Decadal predictability of North Atlantic blocking

Steve Yeager

10:30 *Break*

11:00 Model drift in the CESM decadal prediction experiment

Haiyan Teng

**Session 2: Polar regions**

11:15 Sudden recent Antarctic sea ice retreat, connections to the tropics, and sustained changes to the upper ocean around Antarctica

Jerry Meehl

11:30 The impact of cloud radiative feedbacks on Arctic sea ice in CESM

Eleanor Middlemas

11:45 A role for barotropic eddy-mean flow feedbacks in the zonal wind response to sea ice loss and Arctic Amplification

Bryn Ronalds

12:00 The tropical impacts of projected Arctic and Antarctic sea ice loss

Mark England

12:15 *Lunch (catered in the cafeteria) and walk (weather permitting)*

**Session 3: Tropics**

1:15 The energy cycle associated with ENSO

Kevin Trenberth

1:30 Quantifying tropical air-sea interactions

Jie He

1:45 ENSO diversity in CESM2

Antonietta Capotondi

2:00 Decadal variability in the frequency and duration of El Nino and La Nina events: Comparison between CESM2 and CCSM4'

Yuko Okumura

2:15 Multi-decadal trend and decadal variability of the regional sea level over the Indian Ocean since the 1960s: Roles of climate modes and external forcing

Weiying Han

2:30 *Break*

**Session 4: General**

3:00 Emergence of an equatorial mode of climate variability in the Indian Ocean under altered mean states

Pedro DiNezio

3:15 The uneven nature of precipitation and its change

Angie Pendergrass

3:30 Projected changes of interannual North American hydroclimate variability and predictability

Matt Newman

3:45 Organized convection parameterization for GCMs

Mitch Moncrieff

4:00 Ensembles of ensembles: Using multiple large ensembles to assess robust changes in climate variability and change

Flavio Lehner

4:15 CESM1 single forcing ensembles

Clara Deser

4:30 CVCWG activities update and discussion

4:45 *Adjourn* (Join us for drinks at "Under the Sun")