

CESM Chemistry Climate Working Group Meeting
13 February 2018
Mesa Lab, Chapman 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; under “join a meeting” enter access code 4971358

8:00	<i>Coffee</i>	
8:30	Status of CAM-Chem and discussion of development plans	Co-chairs
9:00	Towards an implementation of soil NO _x emissions in CESM2	Maria Val Martin
9:15	Impact of updating isoprene and monoterpene chemistry on simulated surface ozone in CAM-chem	Becky Schwantes
9:30	Air-sea exchange of oxygenated volatile organic compounds and the impacts on the oxidative capacity in the remote troposphere during Atom-1 campaign	Siyuan Wang
9:45	Brown carbon in the CAM: Implementation and radiative effect	Hunter Brown
10:00	<i>Break</i>	
10:30	The Oslo-aerosol scheme implemented in CAM5.3	Dirk Olivie
10:45	GPU-optimized computational speed-up for the atmospheric chemistry box model from CAM4-Chem	Joshua Fu
11:00	Impacts of changing anthropogenic and biomass burning emissions on CAM-Chem model bias when compared to Atom observations	Forrest Lacey
11:15	Diagnosing a biomass burning event using CESM2	Ben Gaubert
11:30	Discussion (development plans, CMIP6, etc.)	
12:00	<i>Lunch (on your own)</i>	

**Joint Session of Atmosphere Model, Chemistry Climate, and
Whole Atmosphere Working Groups**
Mesa Lab, Main Seminar Room

▶▶▶▶ **Webcast:** www.fin.ucar.edu/it/mms/ml-live.htm ◀◀◀◀

1:00	Assess the effect of Nitrate aerosols on indirect forcing as modeled by CAM with MOSAIC	Zheng Lu
1:20	Impacts of dust emission on the trans-Pacific transport of Asian dust in the CESM	Mingxuan Wu
1:40	Stratospheric aerosol derived from volcanic and non-volcanic emissions in CESM2	Mike Mills
2:00	Stratosphere impacts on climate change projections	Isla Simpson
2:20	Discussion of unified chemistry	Louisa Emmons
3:00	<i>Break</i>	
3:30	Vertical resolution in next generation CAM	Yaga Richter
3:50	Introduction to “Singletrack”: Unified atmosphere model efforts at NCAR	Andrew Gettelman
4:00	Plans for infrastructure development in CESM	Steve Goldhaber
4:20	Discussion of unified atmospheric modeling	
5:15	<i>Adjourn</i>	
5:30	<i>Reception (Damon Room)</i>	