CESM Chemistry Climate Working Group Meeting  
13 February 2018  
Mesa Lab, Chapman Room  
National Center for Atmospheric Research – Boulder, Colorado

Webcast Instructions:  
AUDI O: 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  Coffee
8:30  Status of CAM-Chem and discussion of development plans  
Co-chairs
9:00  Towards an implementation of soil NOx 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  Break
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  Lunch (on your own)

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  Break
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  Adjourn
5:30  Reception (Damon Room)