

**CESM Joint Chemistry Climate and Whole Atmosphere
Working Group Session
Tuesday, 19 June 2018
NCAR – Boulder, Colorado – Center Green Auditorium – North Bay**

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

- 8:15 a.m. Co-chairs – Status of CAM-chem and WACCM in CESM2
- 8:30 a.m. Doug Kinnison – Near tropopause halogen chemistry indicators using occultation observations and WACCM simulations
- 8:45 a.m. Simone Tilmes – Tropospheric chemistry and aerosol performance in CESM2 WACCM and CAM-chem
- 9:00 a.m. Xiaohong Liu – Dust transport with CESM
- 9:15 a.m. Rebecca Buchholz – The effect of variability in fire emission factors on inter-inventory differences
- 9:30 a.m. Kevin Raeder – A unified DART ensemble data assimilation capability for CAM(-CHEM), WACCM, and WACCM-X
- 9:45 a.m. Ben Brown-Steiner – Lessons learned from using simplified chemical mechanisms and new paths forward
- 10:00 a.m. *Break*
- 10:30 a.m. Lorenzo Polvani – Large impacts, past and future, of ozone depleting substances on Brewer-Dobson circulation trends
- 10:45 a.m. Alcide Zhao – Equilibrium climate and air pollution responses to greenhouse gases, anthropogenic aerosols, and ozone from 1970 to 2010 under different EDGAR emission scenarios
- 11:00 a.m. Xinyue Wang – The simulation of stratospheric water vapor over the Asian summer monsoon region in CESM1 (WACCM) models
- 11:15 a.m. Yunqian Zhu – Stratospheric aerosols, PSCs, and ozone after Calbuco eruption 2015
- 11:30 a.m. Josh Pettit – Middle atmosphere WACCM studies at CU Boulder
- 11:45 a.m. Discussion (CMIP6, development plans)
- 12:00 p.m. *Adjourn*