NCAR OPERATED BY UCAR Community Earth System Model

Chemistry Climate and Whole Atmosphere Model Working Group Winter Meeting

(note: WAWG/ChemClimate)
Chapman RoomCC

February 2026

February 4th, 2026

** All times are MST; **Speakers**: please leave 5 min at the end of your slot for questions.*

Time	Topic	Speakers
9:00	Welcome	
9:05	D/E region variability over Scandinavia with WACCM-RR	Marcin Kupilas (remote)
9:20	CESM2-SLH: Implementation of Short-Lived Halogen Sources and Chemistry in CESM (CAM6 and CAM6_dev): Current Release and Future Steps	Rafa Fernandez
9:35	Assessing the drivers of the temporal variations in methane loss	Ben Gaubert
9:50	Iron-Catalyzed Chlorine Production: Reconciling δ^{13}C-CO Observations with Uncertain Methane Budget Impacts	Yu Yao (remote)
10:05	Shifts in atmospheric composition since the preindustrial modified the transport and deposition of mercury (Hg)	Ari Feinberg (remote)
10:20	BREAK	
10:45	Effects of plume rise on long-range transport of wildfire aerosols and Arctic clouds using the Multi-Scale Infrastructure for Chemistry and Aerosols (MUSICAv0) model	Weiyi Wang (remote)
11:00	Observation-oriented CAM6 modification on Southern Ocean Cloud Condensation Nuclei and the Influence on Cloud Droplet Number Concentration	Quing Niu
11:15	Enhancements to the CESM Chemical Forecast System: Upgrading from CESM2 to CESM3	Shawn Honomichl
11:30	Physical Perturbation of Atmospheric States	Siddharth Rout (remote)
11:45	LUNCH	
1:00	Quantifying the Changing Role of Natural Aerosols in Brazil's Air Quality and Health Impacts	Adwoa Aboagye-Okyere (remote)

1:15	Improved Representation of Aerosol–Photolysis Interactions in CESM Using TUVx: Implications for Ozone Loss and Surface UV After the Mount Pinatubo Eruption	Jun Zhang
1:30	Atmospheric and Climatological Responses to Past Encounters with Dense Interstellar Clouds	Jesse Miller (remote)
1:45	Modeling Volcanic Ash Impacts of the 2010 Eyjafjallajökull Eruption	Lily Wu (remote)
2:00	Transient Responses of Northern Hemisphere Wintertime Circulation to Stratospheric Soot Injection	Simchan Yook
2:15:	AIDE-SAI (AI-driven emulation framework for Stratospheric Aerosol Injection)	Susanne Baur
2:35	Discussion / Next steps	
3:00	Adjurn	