

2023 CESM Workshop Chemistry Climate Working Group Meeting

May 2023

Wednesday / June 14

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

Time	Topic	Speakers
Overview:		
Center Green Auditorium / Center Bay		
YouTube Streaming: https://youtube.com/live/RIUb3qPJmfA?feature=share		
1:30-1:35	Welcome and logistics	
1:35-1:45	CAMchem Update	Simone Tilmes, Rafa Fernandez
1:45-2:00	On the role of transport, emissions and chemistry on carbon monoxide modelling	Ben Gaubert
2:00-2:15	Global Intercomparisons of Emissions, Air Quality and Human Health Impacts from CEDS, CAMS and ECLIPSEv6b	Halima Salah
2:15-2:30	Differences in high temperature sensitivity between herbaceous and woody plants affect high-latitude isoprene emissions as temperatures rise (ONLINE)	Hui Wang
2:30-2:45	Evaluation of Ozone and its Precursors Using the Multi-Scale Infrastructure for Chemistry and Aerosols (MUSICA) during the Michigan-Ontario Ozone Source Experiment (MOOSE) (ONLINE)	Noribeth Mariscal
2:45-3:00	Comparison of urban air quality simulations during the KORUS-AQ campaign with regionally refined vs global uniform grids in the Multi-Scale Infrastructure for Chemistry and Aerosols (MUSICA) Version 0	Duseong Jo
3:00-3:30	BREAK	
3:30-3:45	Description of Short-Lived Halogen Chemistry in CESM2: Interconnection between Natural and Anthropogenic Sources.	Rafa Fernandez
3:45-4:00	Interactions between natural short-lived halogens and short-lived climate forcers	Alfonso Saiz-Lopez
4:00-4:15	Can biomass burning aerosol induced surface cooling be amplified through sea surface temperature-cloud feedback over the Southeast Atlantic? (ONLINE)	Zheng Lu
4:15-4:30	The Impact of Horizontal Resolution on Aerosol Modeling over East Asia using Variable-Resolution CESM2 (ONLINE)	Weiyi Wang
4:30-4:45	Sensitivity of the climate system to the magnitude of dust emissions and nonlinear responses in CESM (ONLINE)	Jayoung Yun
4:45-5:15	Discussion	