26th Annual CESM Workshop
JOINT CHEMISTRY AND WHOLE ATMOSPHERE WORKING GROUP MEETING

Wednesday, June 16

** All times are Mountain Time*

Time	Topic / Title	Speaker
8:30	Implementation of soil nitrogen emissions in CESM2 to study large-scale deployment of enhanced rock weathering with croplands	Maria Val Martin, Univ. of Sheffield
8:40	Impact of global climate and land use change on soil reactive nitrogen emissions - implication on air quality	Anthony Wong, Boston Univ.
8:50	Source attribution of tropospheric ozone in CESM1.2.2-CAM4 Chem for the 2000-2018 period	Aditya Nalam, Inst. for Advanced Sustainability Studies
9:00	Effects of fire diurnal variation on U.S. air quality during FIREX-AQ based on the Multi-Scale Infrastructure for Chemistry and Aerosols (MUSICA-V0)	Wenfu Tang, NCAR
9:10	**Questions and Discussion**	
9:20	Effects of grid resolution on urban air quality simulation with MUSICAv0	Duseong Jo, NCAR
9:35	CAM-chem model assumptions and their impact on health-relevant pollutants and health outcome	Forrest Lacey, NCAR
9:45	CESM2-GC: GEOS-Chem as a chemistry option in CESM	Thibaud Fritz, MIT
9:55	Aerosol Data Assimilation in CESM	Benjamin Gaubert, NCAR
10:05	New CESM2 Sectional Aerosol Model (CARMA) implementation and results	Simone Tilmes, NCAR
10:15	**Questions and Discussion / Break**	
10:25	The Impact of Volcano Eruptions on the Ice nucleation and Its Sensitivity to Emission Scale	Ziming Ke, Texas A & M Univ.
10:45	Persisting volcanic ash particles impact stratospheric SO_2 lifetime and aerosol optical properties	Yunqian Zhu, NCAR
10:55	Towards a gravity-wave aware chemistry in WACCM	Michael Weimer, MIT
11:05	Small ensemble of climate intervention simulations using stratospheric aerosols	Yaga Richter, NCAR
11:15	Evaluation of the CCMI-WMO REF-D1 WACCM6 Simulation	Douglas Kinnison, NCAR
11:25	Questions and Discussion	
11:35	Discussion of future WG activities and directions	
12:00	Adjourn	

Poster:

Sensitivity of Model Simulated Ozone in CESM2 to Emission Inventories: Meteorological Datasets and Chemical Mechanisms - Noribeth Mariscal, Wayne State Univ.