

24th Annual CESM Workshop POSTERS

Atmosphere Model Working Group (AMWG)

Poster #	Last Name	First Name	Institution	Poster Title
AMWG-1	Coleman	Dani	NCAR	NOAA's Model Development Task Force (MDTF) for process-oriented diagnostic
AMWG-2	Lee	Sun-Seon	IBS Center for Climate Physics	High-resolution simulation
AMWG-3	Lin	Lin	University of Wyoming	Evaluating and improving parameterization of ice fall velocity in convective clouds: Using the NCAR CAM5.3 with TWP-ICE and MC3E data
AMWG-4	Liu	Shizuo	Nanjing University	Global atmospheric responses to observed springtime Tibetan Plateau snow anomalies
AMWG-5	Patnaude	Ryan	San Jose State University	Hemispheric comparisons of cirrus cloud microphysical properties based on observations and CAM6 model
AMWG-6	Stansfield	Alyssa	Stony Brook University	Tropical cyclone contribution to extreme precipitation over the Eastern United States
AMWG-7	Wang	Donghai	Sun Yat-Sen University	Developing atmospheric large-scale forcing data over the Tibetan Plateau
AMWG-8	Yang	Ching An	San Jose State University	Evaluation of CAM6 simulations of clouds over the Southern Ocean based on in-situ observations
AMWG-9	Yip	Jackson	San Jose State University	Cloud characteristics over the McMurdo station in Antarctica based on CAM6 model and AWARE field campaign
AMWG-10	Zarzycki	Colin	Penn State University	Assessing CESM cyclones with an objective metric suite
AMWG-11	Zhao	Xi	University of Wyoming	Effects of marine organic aerosol as sources of ice nucleating particles on mixed-phase clouds at high latitudes
AMWG-12	Rhoades	Alan	Lawrence Berkeley National Laboratory	Influences of Pacific Ocean domain extent on the western US hydroclimatology invariable-resolution CESM

Chemistry Climate Working Group (CCWG)

Poster #	Last Name	First Name	Institution	Poster Title
CCWG-1	Buchholz	Rebecca	NCAR	Using CAM-chem to interpret carbon monoxide variability in the Southern Hemisphere
CCWG-2	Ke	Ziming	University of Wyoming	Implementation of dust modes (MAM9) in CAM5 and its application
CCWG-3	Kinnison	Doug	NCAR	CAM6-Chem with very short-lived halogen chemistry: Evaluation with the whole air sampler aircraft data
CCWG-4	Jo	Duseong	University of Colorado, Boulder	Secondary organic aerosol simulation in CAM-chem: updates and evaluations
CCWG-5	Lu	Zheng	University of Wyoming	Incorporating the MOSAIC aerosol module in CESM2 model
CCWG-6	Schwantes	Rebecca	NCAR	Evaluating the importance of increased chemical complexity at varying horizontal resolutions in CAM-Chem
CCWG-7	Tang	Wenfu	NCAR	Carbon monoxide modeling and analysis using CAM-chem during the 2016 KORUS-AQ campaign
CCWG-8	Tilmes	Simone	NCAR	Representation and trends of organic aerosols in CMIP6 AerChemMIP simulations using the Whole Atmosphere Community Climate Model (WACCM6)
CCWG-9	Wang	Siyuan	NCAR	Linking ocean biogeochemistry to the atmospheric chemistry using machine-learning
CCWG-10	Wang	Xinyue	Purdue University	On the linkage between summertime stratospheric intrusion and elevated low-level ozone over the United States
CCWG-11	Zhang	Aoxing	Georgia Institute of Technology	Estimation of global radiative effects of brown carbon with updated physical-chemical mechanisms
CCWG-12	Zhu	Yunqian	CU-Boulder	Volcanic ash evolution after 2014 Kelut eruption

Climate Variability and Change Working Group (CVCWG)

Poster #	Last Name	First Name	Institution	Poster Title
CVCWG-1	Joh	Youngji	Georgia Institute of Technology	Interactions between Kuroshio extension and Central Tropical Pacific lead to preferred decadal-timescale oscillations in Pacific climate
CVCWG-2	Lee	Doo Young	Los Alamos National Laboratory	Variability of the southern annular mode and southern ocean surface westerly winds in E3SM

CVCWG-3	Liang	Yu-Chiao	Woods Hole Oceanographic Institution	Atmospheric responses to Arctic sea-ice loss in high-top Whole Atmosphere Community Climate Model version 6 (WACCM6)
CVCWG-4	Min	Dughong	University of Miami-RSMAS	The sub seasonal real-forecasting using the subx data
CVCWG-5	Ainhorn-Morrison	Monica	Indiana University at Bloomington	Methodological pluralism in climate modeling
CVCWG-6	Tseng	Yu-Heng	National Taiwan University	Relative contributions of North and South Pacific sea surface temperature anomalies to ENSO
CVCWG-7	Tian	Shanru	University of Delaware	What factors are responsible for a drier North American Monsoon (NAM) in the late 20th century and a wetter one in the early 21st century respectively?
CVCWG-8	Xia	Kun	Chinese Academy of Sciences	Impact of soil freezing on the East Asian climate by GAMIL
CVCWG-9	Wang	Xinyue	Chinese Academy of Sciences	The strengthening of Amazonian precipitation during the wet season driven by tropical sea surface temperature forcing
CVCWG-10	Wei	Ho-Hsuan	CIRES/CU Boulder	Understanding air-sea interaction processes and biases in the Tropical Pacific in CESM2
CVCWG-11	Zhao	Yingying	Georgia Institute of Technology	The Tropical Pacific decadal variability and ENSO precursor in CMIP5 Models

Land Model Working Group (LMWG)

	<i>Last Name</i>	<i>First Name</i>	<i>Institution</i>	<i>Poster Title</i>
LMWG-1	Anurag	Harsh	Univ of Minnesota, Twin Cities	Modeling the Impact of spatiotemporally dynamic vegetation on groundwater recharge
LMWG-2	Burakowski	Elizabeth	UNH-Durham	Tracking biogeochemical asynchronies during the vernal window: Impacts on ecosystem energy, water, and carbon balance
LMWG-3	Dai	Qjudan	Chinese Academy of Sciences	An observational study of the radiative transfer in forest canopy in Huainan, China
LMWG-5	Wang	Longhuan	Chinese Academy of Sciences	Implementation of groundwater lateral flow and human water regulation in CAS-FGOALS
LMWG-6	Wang	Yan	Chinese Academy of Sciences	Effects of climatic and anthropogenic changes on riverine dissolved inorganic nitrogen transport

Biogeochemistry Working Group (BGCWG)

Poster #	Last Name	First Name	Institution	Poster Title
BGCWG-1	Ren	Xiaoli	IGSNRR, CAS	Benchmarking the ecosystem respiration simulated by CLM based on FLUXNET
BGCWG-2	Rodgers	Keith	IBS Center for Climate Physics	Preliminary diagnostics of extreme events in marine ecosystem stressors in CESM2
BGCWG-3	Worden	Helen	NCAR	Top down estimates of carbon monoxide fluxes from biogenic emissions
BGCWG-4	Zhang	Li	IGSNRR, CAS	Seasonal-deciduous phenology submodel in the Community Land Model 4.5: evaluation and application in China

Ocean Model Working Group (OMWG)

Poster #	Last Name	First Name	Institution	Poster Title
OMWG-1	Carranza	Magdalena	NCAR	Weather imprints on the CESM Southern Ocean's biogeochemistry
OMWG-2	Jeong	Hyein	Los Alamos National Laboratory	Water-mass transformation in Southern Ocean using E3SM
OMWG-4	Misumi	Kazuhiro	CRIEPI	Numerical simulation of iron cycle in the North Pacific
OMWG-5	Olivarez	Holly	NCAR	The impacts of volcanic eruptions on ocean pH in the CESM Large Ensemble
OMWG-6	Wang	Zhuoqun	Peking University	The impact of surface wave-induced mixing on the climate during the Last Glacial Maximum based on CESM1.2
OMWG-7	Wu	Xiaoning	Stony Brook University	Exploring the mean climate of a coupled atmosphere-ocean CESM Aquaplanet

Polar Climate Working Group (PCWG)

Poster #	Last Name	First Name	Institution	Poster Title
PCWG-1	DeRepentigny	Patricia	University of Colorado Boulder	Arctic Sea Ice in the CESM2 over the 20th and 21st centuries