NCAR COMMUNITY EARTH SYSTEM MODEL CESM

2024 CESM Workshop Posters

First Name	Last Name	Organization	Poster Number	Poster Location	Poster TItle
Alice	DuVivier	NSF NCAR	1	First Floor	Facilitating Students from MSI to Gain Experience with Earth System Modeling
Moha	Gharamti	NSF NCAR	2	First Floor	The Data Assimilation Research Testbed: Recent Advances and Tools for CESM
Amin	Mirrezaei	University of Arizona	AMWG1	Second Floor	Analyzing Ozone Pollution over Arizona: A Comparative Study of MUSICAv0 and WRF-chem Simulations
Yi-Hsuan	Chen	Academia Sinica, Taiwan	AMWG2	Second Floor	Addressing Marine Stratocumulus Biases in Taiwan Earth System Model Version 1 (TaiESM1)
Owen	Hughes	University of Michigan	AMWG3	Second Floor	Evaluating a new deep-atmosphere variant of the DoE/NCAR Spectral Element dynamical core
Ci	Song	University of Wyoming	AMWG4	Second Floor	Airborne Observations Constrain the Uncertainty in Anthropogenic Perturbations in Cloud Droplet Number Concentration
Wei-Liang	Lee	Research Center for Environmental Changes, Academia Sinica	AMWG5	Second Floor	Development of TaiESM2: Current Status
Chia-Ying	TU	RCEC, Academia Sinica	AMWG6	Second Floor	The Coupling of TaiESM-SIT: Model Development and Advancements
Honghai	Zhang	University of Houston	AMWG7	Second Floor	Dynamical constraint on precipitation biases over the Indo-Pacific region during boreal summer in AMIP6 models
James	Lin	University of New Hampshire	BGCWG1	Second Floor	What Fraction of Ocean Dissolved Organic Carbon Storage is of Terrestrial Origin? Insights From the Carbon Isotope Enabled CESM-MARBL Model
Keisuke	Nishino	Central Research Institute of Electric Power Industry	BGCWG2	Second Floor	Numerical study of turbulence effects on sinking particles in the ocean surface boundary layer: Size spectrum formation
Riyanka	Roy Chowdhury	University of New Hampshire	BGCWG3	Second Floor	Global Ocean N2O Climatology and Air-Sea Flux: Comparative Study of Machine Learning and CESM-MARBL Simulati
Thomas	Kavoo	Auburn University	BGCWG4	Second Floor	Leveraging NEON observation and cyberinfrastructure to reduce uncertainty in carbon-water cycle projections
Lucas	Oh	MIT	CCWG1	First Floor	Sensitivity of Ozone Production Efficiency from Aviation NOx to Model Parameters
Like	Wang	Wayne state university	CCWG2	First Floor	Development of Nitrous Acid (HONO) Chemical Mechanisms and Evaluation of Model Simulated HONO in CAM6-MOSAIC: Preliminary Results
Monica	Morrison	NSF NCAR	Climate_Justice1	First Floor - 2 Posters	Climate Justice Task Force: Bringing Values into Climate Science
Popat Uttamrao	Salunke	Massachusetts Institute of Technology	CVCWG1	First Floor	Assessing the changing nature of surface temperature and precipitation extremes across a range of climate scenarios and sensitivities: An exploration using an integrated human-Earth systems model approach with CESM
Honghai	Zhang	University of Houston	CVCWG2	First Floor	Dynamical constraint on precipitation biases over the Indo-Pacific region during boreal summer in AMIP6 models
Julie	Caron	NSF NCAR	CVCWG3	First Floor	An Overview of the E3SM version 2 Large Ensemble and Comparison to other E3SM and CESM Large Ensembles
Yaru	Guo	NSF NCAR	CVCWG4	First Floor	Tropical response to weakening of Atlantic meridional overturning circulation and increased atmospheric CO2
Madhulika	Gurazada	Washington State University Vancouver	CVCWG5	First Floor	Understanding the Influence of El Niño Southern Oscillation (ENSO) on Co-occurring Heat Conditions across Global Croplands
Yongxiao	Liang	Environment Canada	CVCWG6	First Floor	Accounting for Pacific climate variability increases projected global warming
Kevin	Raeder	NCAR:CISL:DAReS	ESPWG1	Second Floor	Essential Tools for Predictability Studies Provided by the Data Assimilation Research Testbed
Raina	Roy	Monash University, Australia	ESPWG2	Second Floor	MJO Prediction Skill Analysis in CESM2
Birhan Gessese	Gobie	Wollo University, Ethopia	ESPWG3	Second Floor	Decadal projected temperature variations and CMIP6 model validation in Ethiopia
Aydin	Bakhtar	UTA	ESPWG4	Second Floor	Evaluation of Relative Skills of CESM2 and CFSv2 in Predicting Impactful Transition Events over the southern US
Mira	Berdahl	University of Washington	LIWG1	First Floor	Understanding conditions leading to WAIS collapse, from the Last Interglacial to the modern
Gunter	Leguy	NSF NCAR	LIWG2	First Floor	Simulating glacier retreat in the Alps with the Community Ice Sheet Model
Felix	Jaeger	ETH Zurich	LMWG1	Second Floor	CESM circulation response to idealized afforestation in CESM depends the planted forest type
Samar	Minallah	NSF NCAR	LMWG2	Second Floor	Mountain glaciers in CESM
Ignacio	Aguirre	University of Calgary	LMWG3	Second Floor	Assessing the impact of different process-based parametrizations over evapotranspiration: Insights from 20 FLUXNET sites
Kazuhiro	Misumi	CRIEPI	OMWG1	Second Floor	Development of a Radionuclide Transport Module in the CESM2 Ocean Model
Emmanuel Kesse	Asante	Louisiana State University	OMWG2	Second Floor	Sea Level Rise Under Climate Interventions and Implications for Coastal Communities and Low-lying Islands
Youwei	Ma	Stony Brook University	OMWG3	Second Floor	The Impact of Zonally Asymmetric Climates on Tropical Cyclone Genesis in CESM Coupled Aqua and Ridge Planets
Yu-heng	Tseng	National Taiwan University	OMWG4	Second Floor	Physical mechanism associated with the recent AMOC recovery after 2010
Feng	Zhu	NSF NCAR	PWG1	First Floor	cfr: a Python package for climate field reconstruction
Daeun	Lee	University of Michigan	PWG2	First Floor	Investigating hydroclimate changes in eastern Africa during the middle Miocene using iCESM

Bette	Otto-Bliesner	NSF NCAR	PWG3	First Floor	Paleo Perspectives for Future Tipping Points
Esther	Brady	NSF NCAR	PWG4	First Floor	Introduction to working group website and resources
Jiang	Zhu	NSF NCAR	PWG5	First Floor	A suite of unprecedented high-resolution paleoclimate simulations for weather and climate research
Sophia	Macarewich	NSF NCAR	PWG6	First Floor	Evaluating Water Isotope Tracers in the Variable-Resolution Community Earth System Model using USNIP (US Network for Isotopes in Precipitation)
Liz	Brabson	Yale University	PWG7	Fist Floor	A Revised Temperature-Dependent Remineralization Scheme for the Community Earth System Model (CESM)
Lingwei	Li	University of Colorado Boulder	PCWG1	Second Floor	Exploring Arctic microplastics with CESM2
David	Schneider	CIRES/ Cu Boulder	PCWG2	Second Floor	Potential sea level mitigation from increased Antarctic snow accumulation
Somita	Chaudhari	University of Maryland Baltimore County	SEWG1	Second Floor	Studies on Global Climate Change And Impacts Mitigations Using Application Of Data Science And Management
Feng	Zhu	NCAR	SEWG2	First Floor	x4c: Xarray for CESM
Damian	Murphy	Australian Antarctic Division	WAWG1	First Floor	A quasi-monochromatic gravity wave parameterization for WACCM
Pedro	DiNezio	CU Boulder	UHURWG	First Floor	A model hierarchy for systematically evaluating the impact of spatial resolution on climate variability and change

Key
AMWG - Atmsopheric Model Working Group
BGCWG- Biogeochemistry Working Group
CCWG- Chemistry Climate Working Group
Climate_Justice1 - Climate Justice Poster Group
CVCWG- Climate Variability & Change Working Group
ESPWG - Earth System Prediction Working Group
LIWG- Land Ice Working Group
LMWG- Land Model Working Group
OMWG- Ocean Model Working Group
PWG- Paleoclimate Working Group
PCWG- Polar Climate Working Group
SEWG- Software Engineering Working Group
UHURWG - High-Ultra High Resolution Working Group
WAWG- Whole Atmosphere Working Group