

23rd Annual CESM Workshop POSTERS

Atmosphere Model Working Group (AMWG)

Poster #	Last Name	First Name	Institution	Poster Title
AMWG-1	Xie	Jinbo	Chinese Academy of Sciences	Role on internal atmospheric variability in the 2014-15 US winter extreme
AMWG-2	Jensen	Tara	NCAR	The model evaluation tools – Making strides toward earth system model verification
AMWG-3	Tang	Yanli	Chinese Academy of Sciences	The role of the atmospheric components in ENSO amplitude simulations
AMWG-4	Varuolo-Clarke	Arianna	Stony Brook University	Investigating the geographic controls of the North American monsoon in CAM
AMWG-5	Woelfle	Matthew	University of Washington	Evolution of the double-ITCZ bias from CESM1 to CESM2
AMWG-6	Ma	Hsi-Yen	LLNL	Sensitivity of summertime surface air temperature simulations to land surface properties over the Central U.S.
AMWG-7	Siongco	Angela Cheska	LLNL	A Hindcast approach to understanding the wind-driven equatorial Pacific cold tongue bias in CESM1
AMWG-8	Bogenschutz	Peter	LLNL	Modernization of the E3SM single column model
AMWG-9	Reed	Kevin	Stony Brook University	Reduced complexity frameworks for exploring resolution dependence in CAM
AMWG-10	Donahue	Aaron	LLNL	Parallel coupling of physics and dynamics, performance, and limitations
AMWG-11	Caron	Julie	NCAR	Fully coupled seasonal forecasts with CESM
AMWG-12	Lu	Yixiong	Beijing Climate Center	Generation of a stratospheric quasi-biennial oscillation and its sensitivity to the parameterization of cumulus convection in the Beijing Climate Center AGCM
AMWG-13	Yao	Junchen	National Climate Center of China	Global tropical cyclones simulated by BCC-CSM2-HR
AMWG-14	Ke	Ziming	Georgia Tech.	Perturbation of Northeastern U.S. air quality by wildfires over West Canada during summer
AMWG-15	Callaghan	Patrick	NCAR	A continuous Galerkin method for spectral element modeling
AMWG-16	Zarzycki	Colin	NCAR	Variable-resolution domain size: How big is “big enough” to accurately simulate hurricane climatology?

Chemistry Climate Working Group (CCWG)

Poster #	Last Name	First Name	Institution	Poster Title
CCWG-1	Tang	Wenfu	U. Arizona	CO2 tracking in CAM-chem/CESM
CCWG-2	Schwantes	Rebecca	NCAR	Comprehensive monoterpene chemistry is necessary for accurately simulating surface ozone in the southeastern U. S. in CAM-Chem
CCWG-3	Jo	Duseong	U. Colorado	A simplified parameterization of isoprene epoxydiols derived secondary organic aerosol (IEPOX-SOA) for global and climate models
CCWG-4	Wang	Siyuan	NCAR	Global atmospheric budget of acetaldehyde and acetone: Implications of air-sea exchange and gas-particle interaction
CCWG-5	Emmons	Louisa	NCAR	Contribution of natural emissions to ozone photochemistry over Korea
CCWG-6	Lu	Zheng	U. Wyoming	Nitrate aerosol modeled by the MOSAIC module coupled in CESM2

Climate Variability and Change Working Group (CVCWG)

Poster #	Last Name	First Name	Institution	Poster Title
CVCWG-1	Morrison	Monica	Indiana University	Non-scientific influences on climate model methodologies
CVCWG-2	Iversen	Trond	MET Norway	The climate response under global warming targets 1.5°C and 2°C simulated with NorESM1-"Happi"
CVCWG-3	Bui	Hien	Colorado State University	Changes in MJO precipitation and wind variance under global warming
CVCWG-4	Ullrich	Paul	UC, Davis	Hyperion: Understanding hydroclimate data with use-inspired metrics
CVCWG-5	Li	Lijuan	Institute of Atmospheric Physics, CAS	Preliminary evaluation of FGOALS-g3 under the CMIP6 scenarios
CVCWG-6	Rangel	Rafael	Federal University of Rio de Janeiro	A future "grand solar minimum": Possible climate impacts
CVCWG-7	Guo	Ruixia	NCAR	Understanding observational precipitation trend by dynamical adjustment

Land Model Working Group (LMWG)

Poster #	Last Name	First Name	Institution	Poster Title
LMWG-1	Dai	Qiudan	Chinese Academy of Sciences	Improved carbon simulations in a land surface model using new biomass allocation scheme
LMWG-2	Xia	Kun	Chinese Academy of Sciences	The comparison of different soil hydraulic parameterizations

Ocean Model Working Group (OMWG)

Poster #	Last Name	First Name	Institution	Poster Title
OMWG-1	Sun	Zhikuo	Chinese Academy of Sciences	The modeling of NECC in the CESM
OMWG-2	Jin	Jiangbo	Chinese Academy of Sciences	Formulation of a new ocean salinity boundary condition and impact on the simulated climate an an OGCM
OMWG-3	Sheevam	Pooja	U. Colorado	Defining global essential loggerhead sea turtle habitat with hi-res CESM
OMWG-4	Li	Qingfang	Laramie High School	Effects of swimming on essential loggerhead turtle habitat using high-res CESM
OMWG-5	Bardin	Ann	UC – Irvine	Dealing with inter-annual variability of oxygen when using tracer transport matrices
OMWG-6	Tsumune	Daisuke	CRIEPI	Distribution of mantle 3He in the Indian Ocean simulated numerically by POP
OMWG-7	Misumi	Kazuhiro	CRIEPI	Pacific iron cycle driven by lateral export from continental shelf sediments mediated by slowly sinking particles
OMWG-8	Liu	Hailong	LASG / IAP	A global eddy-resolving ocean model developed in LASG / IAP
OMWG-9	Castruccio	Fred	NCAR	An ensemble optimal interpolation (EnOI) approach within the DART framework for Eddy-permitting and –Resolving Data Assimilation

Polar Climate Working Group (PCWG)

Poster #	Last Name	First Name	Institution	Poster Title
PCWG-1	Landrum	Laura	NCAR	Arctic extremes
PCWG-2	DeRepentigny	Patricia	U. Colorado	Will sea-ice decline bring the arctic nations closer?
PCWG-3	Laiho	Rory	U. Colorado	Scenario uncertainty for Arctic freshwater projections