CESM Polar Climate Working Group Meeting 3 – 4 February 2015

National Center for Atmospheric Research – Mesa Lab Boulder, Colorado

TUESDAY, 3 February – Main Seminar Room

Webcast: >>>> Webcast: www.fin.ucar.edu/it/mms/ml-live.htm <<<

11:00 CGD Seminar – Ed Blanchard – Wrigglesworth – Model skill and sensitivity to initial conditions in an operational sea ice prediction system (or how to be smart about winning ice cream)

12:00 Lunch (on your own)

Joint Session with Land Ice Working Group

1:00	Late Pleistocene ice sheet-ice shelf-ocean interactions and abrupt climate and sea level change	Peter Clark
1:20	Progress and challenges in ice-sheet/climate coupling in CESM	Jeremy Fyke
1:40	Evaluation of present-day surface energy and mass balances of the Greenland ice sheet with CESM (CAM5)	Leo van Kampenhout
2:00	1850-2200 surface mass balance of the Greenland Ice Sheet as simulated with CESM (CAM5)	Miren Vizcaino
2:20	Intensification of the Antarctic hydrological cycle in a warming climate: A study with CESM	Jan Lenaerts
2:40	Discussion	
3:00	Break	
3:30	Toward high-resolution circum-Antarctic simulations using the POPSICLES coupled ice sheet—ocean model	Dan Martin
3:50	Assessing the impact of Arctic sea ice variability on the Greenland Ice Sheet surface mass and energy balance	Julienne Stroeve
4:10	Clouds, inversions, and radiation at Summit, Greenland	Nate Miller
4:30	CESM workflow refactor project	Alice Bertini Sheri Mickelson
5:00	Adjourn	

WEDNESDAY, 4 February – Damon Room

Webcast Instructions:

AUDIO: Dial this access number: 1-866-740-1260 – Enter access code 4971358 VIDEO: Go to www.readytalk.com; under "join a meeting" enter access code 4971358

	Coffee Welcome and logistics	Co-chairs	
Polar Science: Trends, Predictability, Teleconnections			
9:10	CESM simulations of Bering Sea climate and marine production	John Walsh	
9:30	Length of the open water season along the Arctic coast using the	Katy Barnhart	
	CESM Large Ensemble	•	
9:50	How does sea ice loss affect clouds? A story about stability in a	Ariel Morrison	
	warming Arctic		
10:10	Process-based evaluation of Arctic inversions	Line Bourdages	
10:30	Break		
11:00	Use of CESM to quantify aerosol forcing from the Eyjafjallajökull	Mark Flanner	
	volcanic eruptions		
	Recent Antarctic Atmospheric Warming and Climate Feedbacks	Cecilia Bitz	
	Antarctic sea ice in the CESM Large Ensemble	Marika Holland	
12:00	Discussion (polar science opportunities in CESM, current and		
	future CSL resources)		
12:20	Lunch (on your own)		
	Climate Model Evaluation and Development	D D 11	
1:30	Update on CICE5 simulations and physics options for CESM2	Dave Bailey	
1:50	CICE5 physics in RASM with implications for CESM	Andrew Roberts	
2:10	Discussion (CICE5 physics decisions for CESM2)		
2:30	Break		
3:00	Sea ice sensitivity to snow parameters in CICE5	Jorge Urrego-Blanco	
3:20	Update on developments in CICE ice biogeochemistry	Nicole Jeffery	
3:40	Comparison of data analysis and modeling results	Ute Herzfeld and	
4.00	D' ' (CICE CECM 1 .	Lukas Goetz Weiss	
4:00	Discussion (CICEx/CESMx – what processes are we missing?		
4.20	Looking towards the future)	T F 11 1	
4:20	Arctic Radiative Fluxes: Present-day biases and future projections in	Jason English	
4.40	CMIP5 models	A1 1 T 1	
4:40	Plans for CliC /Sea Ice MIP for CMIP6	Alexandra Jahn	

5:00 Discussion (Coordinating research and development for CMIP6/CESM2)