

2023 CESM Workshop Understanding Climate at the Intersection of CESM Components

June 2023

Monday June 12, 2023 1:30-3:30PM

** All times are MST; **Speakers:** please leave 5 min at the end of your slot for questions.*

Time	Topic	Speakers
Overview:		
Center Green Auditorium / Center Bay / North Bay		
YouTube Streaming: https://youtube.com/live/StRqiKKejLI?feature=share		
1:30-1:40	Model Intersection Challenges	Rich Neale
	Model Examples and Assumptions	
1:40-1:50	Land-atmosphere flux exchanges and the land surface climate	Gordon Bonan
1:50-2:00	Sea ice flux exchanges: A top down, bottom-up approach.	David Bailey
2:00-2:10	The impact of increasing vertical resolution in the atmospheric boundary layer	Brian Medeiros
2:10-2:20	Ocean-Wave-Atmosphere Interaction in CESM	Justin Small
2:20-2:30	Ice Sheet feedbacks on Atmosphere, Land and Ocean Systems in CESM	Kate Thayer-Calder
	Understanding Surface Intersections	
2:30-2:40	Towards explicitly capturing the impacts of land surface heterogeneity on convective updrafts in CESM	Meg Fowler
2:40-2:50	Diverse Eurasian Temperature Responses to Arctic Sea Ice Loss in Models Due to Varying Balance Between Dynamical Cooling and Thermodynamical Warming	Cheng Zheng
2:50-3:00	Northern hemisphere land-atmosphere feedback from prescribed plant phenology in CESM	Xiaolu Li
3:00-3:10	Addressing model interface challenges in E3SM	Hui Wan
3:10-3:30	Discussion: Challenges, missing processes, and opportunities	

Posters:
