

2023 CESM Workshop
Parameter Estimation
WORKING GROUP MEETING

May 2023

12 / June

* All times are MST; **Speakers:** please leave 2 min at the end of your slot for questions.

Time	Topic	Speakers
<p>Overview: Parameter estimation for uncertainty quantification, calibration, and process understanding Center Green Auditorium / South Bay YouTube Streaming: https://youtube.com/live/JqF9wGjB5xA?feature=share</p>		
4:00	Welcome, logistics, and session overview; Linnia Hawkins, Katie Dagon, Trude Eidhammer, Margaret Duffy, Claire Zarakas	Organizers
4:20	A Community Earth System Emulator for UQ and Calibration	Duncan Watson-Parris
4:32	Large Ensemble Diagnostic Evaluation of Hydrologic Parameter Uncertainty in the Community Land Model Version 5 (CLM5)	Hongxiang Yan
4:44	Examining parameter uncertainty through large cloud-based ensembles	Rob von Behren
4:56	Examining state dependence of the cloud feedback using a perturbed parameter ensemble	Jiang Zhu
5:08	Powerful New Non-Gaussian, Nonlinear Ensemble Data Assimilation for CESM Models with DART	Jeff Anderson
5:20	Lessons learned from an automated parameter calibration effort in the NASA GISS Earth System Model	Qingyuan Yang
5:32	Discussion	