

## CESM LAND ICE WINTER WORKING GROUP MEETING February 22-23 2023

### Wednesday, February 21

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

Time	Topic	Speakers
<i>Mesa Lab-Damon Room &amp; Hybrid</i>		
8:50	Welcome	CO-Chairs
9:00	LIWG updates: Towards CISM3 and CESM3 (In Person)	Gunter Leguy, Kate Thayer-Calder, Bill Lipscomb
9:30	Verifying and Validating CISM: The LIVVkit Experience (Remote)	Michael Kelleher
9:50	Geothermal heat flow basal boundary condition during Greenland ice sheet spin up (Remote)	Tong Zhang
10:10	LGM to pre-industrial transient simulations of the Greenland Ice Sheet using the Parallel Ice Sheet Model forced with iCESM 1.2 and 1.3 climate data (Remote)	Tancrede Leger
10:30	Break	
10:50	Committing to the cause: Including thinning rates in Antarctic Ice Sheet simulations using CISM (Remote)	Tim van den Akker
11:10	ISMIP6 Antarctica 2300 Preliminary Results (Remote)	Tyler Pelle
11:30	FastIsostasy.jl, A regional, 2.5D model for accelerated computation of glacial isostatic adjustment (Remote)	Jan Swierczek-Jereczek
11:50	3D finite element modeling for the glacial isostatic adjustment (In Person)	Kaixuan Kang
12:10	Discussion	
12:30	Adjourn	

### Thursday, February 23

*\* All times are MST; **Speakers:** please prepare a 10 minute talk and leave 5 min at the end of your slot for questions.*

Time	Topic	Speakers
<b>Joint LIWG/PCWG Session</b>		
9:00	Welcome	CO-Chairs

9:10	Large effects of ocean circulation change on Greenland ice sheet mass loss under mid-of-the-road greenhouse gas scenario (Remote)	Miren Vizcaino
9:30	Response of the Greenland Ice Sheet to temperature overshoot scenarios (Remote)	Michele Petrini
9:50	High-resolution, fully-coupled simulations of the Greenland Ice Sheet in a future, strong warming scenario (In Person)	Ziqi Yin
10:10	Improved Bare Ice Albedo over the Greenland Ice Sheet using Physically Based Bare Ice Albedo Radiative Transfer Methods (Remote)	Chloe Whicker
10:30	Break	
10:50	Large-scale wind-driven Greenland melt influences sea-level rise projection uncertainties (Remote)	Daniel Topal
11:10	Identifying High Latitude Atmospheric Rivers with Machine Learning (In Person)	Christine Shields
11:30	Transformation of the Sea-Ice "Cover" in the New Arctic - Insights Into Melt Progression From ICESat-2 High-Resolution Data Analysis With the DDA-bifurcate-seaice (In Person)	Ute Herzfeld (or Huilin Han)
11:50	LIWG Adjourn for the day- PCWG continues after lunch	