Key take-home points:

Aleya Kaushik

- Understanding model responses can be elucidated through model intercomparisons.

Ben Maglio

- Working on process-based representation of CH_4 fluxes; but, also interested to see what they might be missing.

Bo Qu

- Important to represent trees in boreal and shrubs in arctic.

Brendan Rogers

- We need to use the ABoVE data for benchmarking.

Mary Ellen Miller

- We can map drainage and deep organic soils of the boreal region with L band data.

Rose Lefebvre

- Representing bryophytes in land surface models is important to model high latitude sites, as mosses are omnipresent in boreal and arctic regions.

Muhammad Umair

- Plant hydraulics in boreal regions is very important to manage and evaluate drought impacts on GPP.

Wu Sun

- Atmospheric observations are a great resource to evaluate terrestrial biosphere models, but could use better software infrastructure to facilitate that pairing.

Zhen Zhang

- Capturing CH_4 fluxes and short time scales matters.

Katey Anthony

- CH_4 emissions from newly formed thermokarst lakes are higher than other global ecosystems; and, winter emissions comprise 20-50% of annual lake emissions.