

## 2020 EOL Seminar (Virtual)

### BE A CHEESEHEAD: RESULTS FROM THE CHEQUAMEGON HETEROGENEOUS ECOSYSTEM ENERGY-BALANCE STUDY ENABLED BY A HIGH-DENSITY EXTENSIVE ARRAY OF DETECTORS STUDY

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**DATE:** December 1, 2020  
**TIME:** 3:30 - 4:30 pm MDT  
**WEBCAST:** <https://operations.ucar.edu/live-eol>

#### ABSTRACT

The Chequamegon Heterogeneous Ecosystem Energy-balance Study Enabled by a High-density Extensive Array of Detectors (CHEESEHEAD) was an observational experiment designed to examine how the atmospheric boundary layer responds to scales of spatial heterogeneity in land-atmosphere energy fluxes. The campaign was conducted from June–October 2019, measuring surface energy fluxes over a heterogeneous forest ecosystem in Northern Wisconsin. Here we present energy balance results from the NCAR EOL Integrated Surface Flux System eddy covariance tower network. We combine the results with atmospheric profiling and airborne eddy covariance to show how different scales of atmospheric motions influence energy balance closure.

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This webcast will be recorded and uploaded to the  
[NCAR Earth Observing Laboratory YouTube Channel](#)