

## **Measurement of evapotranspiration above Black Rock Forest**

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The dynamic interactions of water, carbon and nitrogen in a forested ecosystem under a changing climate have yet to be fully understood. This proposal seeks to expand the research efforts at Black Rock Forest through the installation of instrumentation necessary to measure canopy level evapotranspiration (ET). The recent acquisition of a canopy access tower for use at Black Rock Forest will enable accurate measurements of ET using a well-established combination of techniques commonly referred to as the Bowen Ratio Energy Balance (BREB) method. If funded, this research will provide continuous data on ET at the local watershed scale, adding invaluable data to the Black Rock Forest research program.