

From fall 2021 to summer 2023, DOE ARM and research partners will participate in the **Surface Atmosphere Integrated Field Laboratory (SAIL)** campaign. This field study will install a comprehensive, state-of-the-art observing network in the East River watershed near Crested Butte, CO with the goal of advancing weather and water prediction capabilities in the American West.

Through SAIL, atmospheric scientists will collaborate with surface and subsurface researchers investigating watershed hydro-biogeochemical processes through Berkeley Lab's Watershed Function Scientific Focus Area project to create an atmosphere-through-bedrock integrated field laboratory at the East River.

Their observations of the above- and below-ground factors impacting hydrology at various scales across the 300km watershed will provide insights into how Upper Colorado River watersheds interact with the atmosphere to produce water and help determine whether representations of key physical processes are sufficient for Earth System Models to project future water resources.

Colorado State University has been awarded DOE's contract 0F-6022 to participate in the SAIL campaign and deploy an X-band radar system for rainfall and snowfall observations.

Details regarding the SAIL field study can be found at <https://sail.lbl.gov/about/>, for any questions please contact:

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