

The Climate Innovation Collaboratory

Deloitte and CU-Boulder launched an alliance to **expand access to critical climate data science, applied research, and cross-sector information** to bring bold and innovative solutions to clients infused with leading market practices.

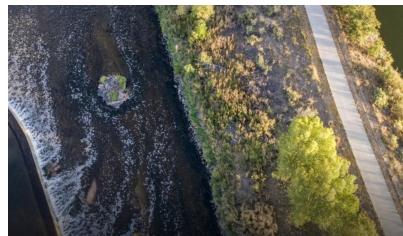


Purpose

Pair data science and research with leading market insights and services to bring innovative solutions to market to address the most critical challenges with a focus on resilience, mitigation, and preparedness.

Meaningful Collaboration

[Emerging Technologies to Improve Water Resource Management in Colorado](#)



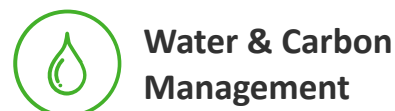
[How Digital Tools Can Help Solve the Colorado River Crisis \(WSJ Sustainable Business\)](#)



[Fighting Wildfires with Innovation \(WSJ Sustainable Business\)](#)



Deep Domain Knowledge



Current Workstreams

Wildfire

- **Predicting Wildfire Risk:** Utilize Earth Lab and risk assessment data to forecast wildfire risks through 2070 and identify critical assets at risk for better risk assessment and disaster mitigation.
- **Social Sensing for Adaptive Disaster Management:** Utilize advanced social media filtering to capture real-time public response during and after wildfire events for stronger emergency management communication plans.
- **Modeling Wildfire Evacuations:** Combine transportation infrastructure data, hazard projections, and building exposure models to predict human behavior during an evacuation for better resiliency planning.

Environmental Markets

- **Groundwater Behavioral Economic Games:** Engage farmers to understand how various factors impact their groundwater usage decisions
- **Soil Sensing:** Monitor soil nitrate and moisture levels to implement practices that improve soil health and reduce fertilizer and water costs for crop production
- **Measurement, Reporting, and Validation (MRV) for Alternative Climate Finance:** Support methodologies and research to identify alternative climate finance opportunities and shape potential carbon credit markets

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Reach out to thecollaboratory@colorado.edu and rsen@deloitte.com to learn more.