

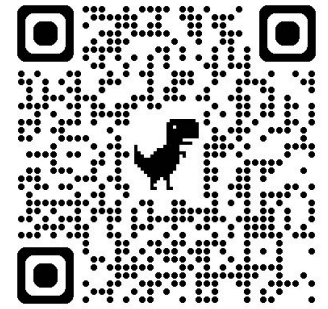


CMC LIBRARY · COMMUNITY PRESENTATION

Where Avalanches Meet Humanitarian Efforts & Technology

How communities in Central Asia and along Colorado's highways face the same hazard, and how new tools are helping forecasters see it coming.

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WHEN

Thu, Sept 24, 2026 - 3:30 PM

WHERE

Colorado Mountain College Library

01 Avalanches in Central Asia

ITAI SHELEG, Lake County High School & CMC — RON SIMENHOIS, CAIC

In remote parts of Afghanistan, Pakistan, and Tajikistan, avalanches threaten rural communities with almost no weather or snow data to warn them. Itai shares what he's learned about that hazard, and a technology-based approach he and Ron built to help close the gap.



An avalanche above a village in late March 2025

02 A New Tool for Avalanche Forecasting

RON SIMENHOIS, CAIC Avalanche Forecaster & Data Scientist

Drone terrain scans, weather data, and computer modeling, combined into a new CAIC tool that estimates the odds an avalanche reaches a road, giving forecasters another piece of evidence for safety and closure decisions.

Different mountains, same goal: better information, better decisions, safer communities.

Leadville, Colorado

Colorado Mountain College Library