Understanding risk and resilience in alpine communities: Conceptual model for coupling human and landscape systems

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Combine knowledge on risk and resilience from different disciplines: A coupled human-landscape system

> Why develop a coupled-human landscape system?

> Mountain communities are exposed to physical and socio-economic shocks (e.g. natural hazards, less tourism, unemployment)

> How resilient are mountain communities to these shocks?

Schematic of linkages between physical and human components of Alpine communities.

Can mountain communities recover from shocks (physical and socio-economic) of different strengths and frequency of occurrence?
Framework for a coupled human-landscape system

- First conceptual model of a mountain community with human and natural components
- Feedbacks highlight important interactions that increase risk and reduce resilience
- Model operationalization will predict risk and resilience of mountain communities.