



Integrating resilience into Monitoring and Evaluation of climate and development practices in Hindu-Kush Himalaya

Erica Udas

erica.udas@icimod.org
International Centre for Integrated Mountain Development (ICIMOD), Nepal

Ryan Tan

ryantanyiwei@gmail.com National University of Singapore (NUS), Singapore



0:00-0:30

Problem Statement



Transitioning livelihoods in changing climate context across the HKH region

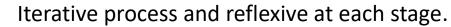
| Country | SES Context | Resilience of what? | Resilience to what? | Outcomes of Concern |
|-------------------------|--|---|----------------------------|-------------------------------------|
| Myanmar (Shan State) | Aspirations from Primary to Secondary Livelihoods | Energy dependent non- farm occupations | Hazards | Household Economy |
| Nepal (Dadeldhura) | Shift from Traditional to Cash Crops | Agri-based livelihood system | Droughts | Household Income, Crop Diversity |
| Bhutan (Haa) | Yak herding to outmigration for yak herding youths | Livestock (yaks) based livelihoods | Climate Change, Hazards | Yak Population, Household Income |

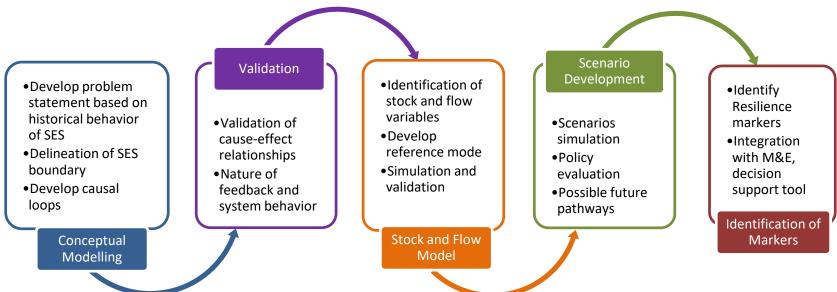
Challenge to assessment of social ecological resilience and integrating into M&E.



Methodology





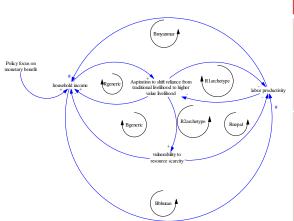


Identification of similar system archetypes based on case specific insights for regional synthesis.



Progress, Insights, and Questions





| Change Areas | Myanmar (Shan State) | Nepal (Dadeldhura) | Bhutan (Haa) | | |
|--|--|---|--|--|--|
| (1) Exchange of Vulnerability and Reliance | Primary vocations to Secondary vocations | Traditional farming to Cash crops | Youth yak herding to Aspirations for city | | |
| | (+) Income \rightarrow (+) Aspiration to Shift \rightarrow (+) Vulnerability to Resource Scarcity | | | | |
| (2) Dynamics of Mountain Labour | Labour Productivity (Women engaging in firewood gathering) | <u>Labour Productivity</u> (Outmigration) | <u>Labour Productivity</u> (Shortage of Youths) | | |
| | <u>Vulnerability to</u> (Scarcity of Energy Resources) | <u>Vulnerability to</u> (Memory Loss of Cereal Crops farming) | <u>Vulnerability to</u> (Scarcity of Natural Feed) | | |
| | (+) Aspiration to Shift \rightarrow (-) Labour Productivity / (+) Vulnerability \rightarrow (-) Income | | | | |
| (3) Tradeoff between | [R Loop 1] (+) Labour Productivity \rightarrow (-) Aspiration to Shift \rightarrow (+) Labour Productivity | | | | |
| aspiration and vulnerability (Analysis) | [R Loop 2] (+) Labour productivity → (-) Aspiration to Shift → (-) Vulnerability → (+) Labour Productivity | | | | |

Any suggestions?

- Approach and Synthesis
- Integration into M&E Framework