



Climate Change

ChangeDialogue

during SB60 and advocates for using Ecosystem-based Adaptation (EbA) in global adaptation efforts aligned with the goals and decisions of the [UAE Framework for Global Climate Resilience](#). Informed by experiences of three transboundary mountain regions in Peru and Colombia, Nepal and Bhutan, and Kenya and Uganda from the IUCN initiative, [UAE+2020 Mountain Ecosystem-Based Adaptation: building evidence, replicating success, and informing policy](#),¹ this brief provides key recommendations on means of implementation concerning 1)

- o Design EbA financing options in collaboration with key stakeholders, including rights holders.
- o Scale up investments for income-generating EbA measures through blended finance.
- ¾ Capacity-building using EbA:
 - o Develop projects that link issues of concern, such as the food security-climate-biodiversity nexus or the nature-health-climate nexus and empower mountain communities throughout.
 - o Utilise and build upon existing knowledge to develop transboundary projects.
- ¾ EbA and Technological Development/Transfers:
 - o Improve technology innovations for EbA by sharing experiences and technologies with replication sites or scaled-up initiatives.



Vulnerability of mountain ecosystems and their critical importance in building resilience towards climate change

Mountains are crucial in global ecosystems, providing millions of people with water, biodiversity, and livelihoods
As moist air rises over mountain ranges, it cools, condenses, and forms precipitation, stored as snow or glacier ice during wet seasons. This stored water is then gradually released downstream during dry seasons, providing a reliable supply for freshwater needs in densely populated areas, agriculture, and industry. Mountains 'water towers', are vital for sustaining human livelihoods, food security, and ecosystems downstream. They contribute significantly to the global economy, generating 4-18% of the world's GDP through various industries such as tourism, agriculture, and forestry.³

Mountains also play a crucial role in



[framework](#) through its capacity-building activities to benefit wider audiences. Leveraging orits successes, [Peru](#) received Global EbA Fundinancing to fund mountain-based projects, ensuring the continuity of EbA in mountain ecosys 0 G [(a)-1002 649.15 Tm 0lms the continuity

