Submitted Abstract

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Abstract

Communities living in and around mountainous regions are experiencing an array of climate-related impacts that are impinging on their ways of life, livelihoods and safety. Numerous interventions have been and are being implemented that support these communities to adapt to new realities under climate change. Sharing knowledge on what interventions are working and how is key to expediting climate change adaptation and enhancing the resilience of mountain communities globally.

In response to this need, the Adaptation at Altitude Solutions Portal (https://adaptationataltitude.org/solutions-portal), developed through the Adaptation at Altitude programme and funded by the Swiss Agency for Development and Cooperation (SDC), has been designed to support the sharing and transfer of detailed knowledge on interventions that are helping to reduce vulnerability and climate risk in the mountains. The portal: provides easy access to information on tried, tested, and replicable solutions; makes these solutions easier to find, explore, and appraise for everyone working in this area; and, increasingly, connects this knowledge to existing online resources.

'Solutions' in the portal include technologies, approaches, and/or processes to adjust natural or human systems to actual or expected climate impacts, in order to reduce expected losses or harness benefits. These range from community-based initiatives to early warning systems to education programmes to land restoration and many more besides. The solutions incorporate disaster risk reduction, climate change adaptation and ecosystem restoration approaches.

Solution entries in the portal contain key information to support the replication of the solution in - and its tailoring to - other contexts, including: who the solution benefits; its target and reported outcomes; which SDGs and Sendai Framework goals it addresses; how it was planned, implemented, and funded; what is innovative about it; how its performance has been evaluated and what the results of this are; its long-term sustainability including actions taken to ensure its sustainability; the capacities required for its successful implementation, including knowledge, technology, political, institutional and socio-cultural capacities; its outlook and potential for scaling and transformation; what barriers and adverse effects have been observed and actions taken to mitigate these; and links to supporting and relevant resources and documentation.

The portal is driven by and features contributions from actors working in mountains and is specifically designed to give visibility and recognition to solution contributors. The portal team continues to support contributions from all actors interested in sharing their implemented solutions.