

SYNTHESIS WORKSHOP

# Renewable energy transitions

A comparative assessment of the Hindu Kush Himalaya, Andes, and Alps

7-9 APRIL 2021 | ZOOM MEETING

16:00-18:30 (CET), 19:45-22:15 (NPT),  
07:00-09:30 (U.S. MST)



## Background

The impacts of climate change in mountain regions are accentuated by elevation-dependent warming and precipitation variability higher than in other regions, coupled with greater dependence of mountain communities on local sources of energy and other resources. Energy systems are central to climate change both as drivers and responses. The development and use of energy resources, particularly fossil fuels, are the principal causes of global warming. At the same time, climate-change impacts across a range of social and ecological systems require mitigation and adaptation in which less carbon-intensive energy uses play a central role. Climate-change dynamics are not uniformly distributed globally, with temperature rise occurring differentially higher in polar and mountain regions. Especially in mountain regions, energy-use alternatives can be constrained due to inadequate infrastructure, remoteness, and reliance on traditional forms of energy that may be difficult to diversify.

This workshop, jointly sponsored by ICIMOD's [Himalayan University Consortium](#) and the

[Mountain Research Initiative \(MRI\)](#), and coordinated by the University of Arizona's [Udall Center for Studies in Public Policy](#), is a community-led activity bringing together experts including young professionals to connect and synthesize existing data, information, publications, and/or other forms of knowledge to provide new insights on the state of mountains and renewable energy transitions in a global context.

## Objectives

This virtual workshop aims to synthesize current understanding and address future challenges related to energy transitions in mountain regions with an emphasis on renewable energy in the context of climate change in the Hindu Kush Himalaya, Andes, and Alps.

Workshop participants will also address current challenges in mountain regions related to climate-change impacts on energy systems with an emphasis on renewables and transitions towards carbon neutrality as well as to present and discuss adaptation solutions by mountain communities and economic sectors.

## Participants

The workshop will be limited to 50 registered participants, including 15 invited experts and 35 participants. Interested researchers, policy makers, and practitioners should apply via the [HUC Portal](#) by 1 March 2021. Notification of acceptance will be communicated by 16 March 2021.

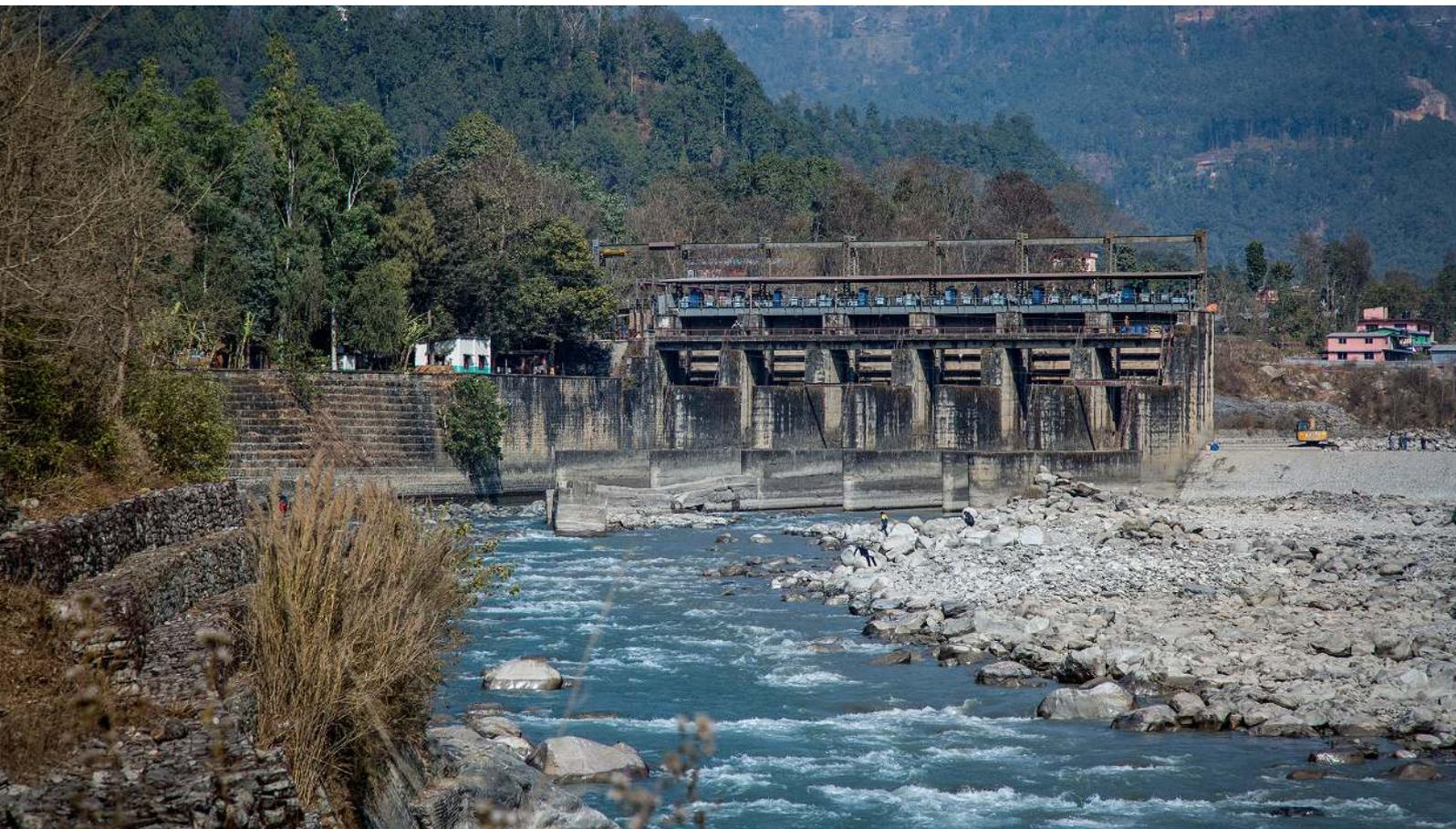
Young and female professionals, those from under-represented communities, and graduate students are especially encouraged to apply.

Applications from past HUC fellows who successfully completed the [Water–energy–food nexus: Adaptive response to regional Hindu Kush Himalayan challenges](#) course (19 May 2020 to 04 June 2020) will receive designated merit points in the selection process.

## Organizers

The workshop will be led by [Christopher Scott](#) (Udall Center, University of Arizona, USA; ICIMOD Mountain Chair 2020-22) and jointly coordinated by [Chi H Truong](#) (Shachi, ICIMOD), and [Carolina Adler](#) MRI, University of Bern, Switzerland).

Given the time zone differences among the regions of expected participants, the workshop will be held for two-and-a-half hours each on three consecutive days (7–9 April 2021), totalling seven-and-a-half hours of content.



### For further information

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