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Climate change in Himalayan region: scientific issues and potential collaborations with Tribhuvan University

Prof. Binod Dawadi, Central Department of Hydrology and Meteorology, Tribhuvan University, Kathmandu, Nepal

JEUDI 19 MAI 2022 | 17h15 – 18h00
GEOPOLIS 2208 ET EN LIGNE (ZOOM)

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UNIL – Géopolis 2208
Online: https://unil.zoom.us/j/2672327347

More info: emmanuel.reynard@unil.ch

Nepal is a unique mountainous country with the highest elevation gradient of 60m to 8,848m, the highest mountain in the world, within a short distance of less than (200 km) and home to 8/10 of the world's highest peaks. The current climate change scenario showed that Nepal has been warming by about 0.6°C per decade. The annual maximum temperature has been increasing by 0.056°C, along with a decrease in precipitation by 1.3 mm/yr with large spatial variation. Increasing floods/drought and extreme climatic events affect Nepal's entire economy. Climate change-induced disaster events are on the rise in Nepal, accounting for 80% of loss of property caused by disasters attributable to climate hazards, particularly water-related events such as floods and landslides and glacial lake outburst floods (GLOFs). The people of the high elevation region of Nepal Himalayas are being adversely effected by the impact of climate and already creating a new class of climate refugees as for example Dhye and Samjong village of upper Mustang Nepal. Tribhuvan University as the first higher education institution of Nepal with more than 4 million students, more than 1000 campuses and diversity in the academic discipline is the one of the potential global partner for the research and academic activities to understand Himalayan Mountain. Therefore, Tribhuvan University hopes to work in close collaboration with other researchers, academia, practitioners, and policymakers of national/international organizations to understand the various aspects of climate change and make the climate-resilient Himalayas.

***Binod Dawadi** is an Associate Professor, at the Department of Hydrology and Meteorology, Tribhuvan University, Kathmandu, and the Deputy Director at Kathmandu Center for Research and Education, Chinese Academy of Sciences – Tribhuvan University. He specializes in climatology and hydrology. He has worked on the impacts of climate change in the Himalayas, the climatology of Nepal, and the risks associated with climate change. He is a visiting professor at the Interdisciplinary Centre for Mountain Research (CIRM) in May 2022.*

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CIRM - Interdisciplinary Centre for Mountain Research
UNIL - Site de Sion | Ch. de l'Institut 18 | CH-1967 Bramois (Sion)
Tél. +41 (0)27 205 73 22 | www.unil.ch/centre-montagne

Picture : B. Dawadi