

# **The International Conference on Trans-Himalaya Earth System Sciences-2025**

## **(1st circular)**

### **BACKGROUND**

The Trans-Himalayas, home to all summits exceeding 8,000 meters in elevation, is highly sensitive to climate change due to its extensive ice, snow, permafrost, and carbon reserves. The cryospheric meltdown caused by global climate change affects over 2 billion people downstream. However, environmental research in this region faces significant uncertainties in quantifying climate change and its cross-sectoral impacts. This highlights the urgent need for a comprehensive Earth system approach.

Climate change is a global issue that affects livelihoods across boundaries. To collectively address the challenges it poses to regional sustainability and global Earth science advancement, we are pleased to announce the International conference on Trans-Himalaya Earth System Sciences, to be held in Kathmandu, Nepal in October 2025.

### **TIME & VENUE**

The Conference will be held at Hotel Hyatt Regency in **Kathmandu, Nepal**, from **October 10-12, 2025**, with registration on **October 9, 2025**.

### **SCIENTIFIC THEMES**

The conference will focus on a range of key themes:

- *Glacier Melt and Earth System Consequences*  
Co-chairs: Lonnie Thompson, Tandong Yao  
Focal point: Wei Yang
- *Ecosystems, Biodiversity and Global Change*  
Co-chairs: Philippe Ciais, Shilong Piao, Hang Sun  
Focal Point: Jinzhi Ding, Tao Deng
- *Tectonic Uplift of the Trans-Himalayas and its Impacts*  
Co-chairs: Andreas Mulch, Zhengtang Guo, Xiaomin Fang  
Focal Point: Jinbo Zan
- *Climate Change, Impacts and Adaptation*  
Co-chairs: Deliang Chen, Deepak Aryal  
Focal Point: Tao Wang, Binod Dawadi

## **ORGANIZATION EVETNS**

- *KCRE-TU (Himalaya Environment and Sustainable Development)*
- *CSTP Youth Forum*
- *ICIMOD*

## **HOST AND CO-HOSTS**

Third Pole Environment (TPE)

Kathmandu Center for Research and Education, CAS-TU (KCRE)

Tribhuvan University, Nepal

The China Society on Tibetan Plateau (CSTP)

Alliance of National and International Science Organizations for the Belt and Road Regions (ANSO)

International Centre for Integrated Mountain Development (ICIMOD)

United Nations Educational Scientific and Cultural Organization (UNESCO)

Institute of Tibetan Plateau Research, Chinese Academy of Sciences (ITPCAS)

Peking University

## **CALL FOR PARTICIPATION**

We warmly welcome anyone who shares an interest in related subjects. Please feel free to spread the circular and we very much look forward to promoting Earth system science research in the Trans-Himalayas together with you.

Further information will be released in the following circulars.

Please save your dates and stay tuned for more information!