

# High-Altitude Glaciers: Glimpses at Their Diversity and Transition Using Various Geospatial Techniques



**Dr. Adina Racoviteanu**

Institut de Recherche pour le Développement  
(French National Research Institute for Sustainable Development)

Glacier complexes around the world are exhibiting various patterns of thinning, wastage, or transformation to other types of glacier landforms. Various remote sensing techniques combined with large amounts of satellite data available presently allow us to study the contrasting behaviours of glaciers at various scales. In this talk, I will provide an overview of available remote sensing techniques I use to study glacier changes at regional level with a focus on debris-covered glacier complexes in the Himalayas, and more recently rock glaciers and their inventories using machine learning. I also provide an overview of the local perception of these glacier changes based on interviews conducted in different parts of the Himalaya.

**10 Jan 2024**



**11:30 a.m.**



**Conference Room, 3/F,  
Mong Man Wai Building**



**[Zoom Link](#) (Mixed-mode)**

**ID: 992 4969 9833 Passcode: 983837**



EARTH AND ENVIRONMENTAL  
SCIENCES PROGRAMME

Enquires: 3943 5494 [eesc@cuhk.edu.hk](mailto:eesc@cuhk.edu.hk)