



Project: Future mountains

Climate change modifies hydrological cycle in the continental mountain areas worldwide. In cooperation with several research bodies, we will pursue field, and modeling activity upon the effects of climate change in glacial areas worldwide, where temperature increase accelerates melting, and down wasting of ice bodies.

We will use IPCC projections to assess the evolution of climate, hydrology, cryosphere.

Some case study areas:

- 1) Nepali Himalaya, Everest region
- 2) Pakistani Karakoram, K2 region
- 3) Caucasus, mount Ararat
- 4) Andes and Chilean Patagonia

Thesis, BS/MS will cover set up of *in situ* measurement stations when possible and gathering and modeling of hydrological and glaciological data.

A base of hydrology, and programming is required.

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