Modelling Challenges for Mountain Ecosystems

International Winter School

March 25. – 29. 2019

6 credit points

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Modelling studies in remote mountainous regions like the Himalayas face numerous challenges mainly attributed to limited data availability due to difficult accessibility of the terrain. This leads in turn to a poor data basis with unknown sources of uncertainties for modelling studies.

The Winter School is divided into two main topics:

- statistical modelling of climate parameters
- modelling the ecological niche of a treeline species

Possible pitfalls in modelling will be addressed and solutions will be shown based on example data from the Himalayas.

The Winter School invites international and national PhD students interested in modelling methods to answer current questions of high mountain research.

The Winter School comprises keynote lectures by Prof. Dr. Jürgen Böhner (chair physical geography) and Prof. Dr. Udo Schickhoff (University of Hamburg), leading experts of mountain geography and researchers in the Himalayan mountains for over 30 years.

In all modelling exercises freely available remote sensing data (MODIS) and climate data (Chelsa) will be computed with the open-source software R. Experience in R is required at beginner to intermediate level. More experienced PhD students are also warmly welcomed.

A lively exchange of knowledge about the challenges of exploring high mountain areas, as well as the international networking of junior scientists can be expected.

Registration fees *		Registration deadline	
Early bird	40€	Early bird	31.12.2018
Regular PhD student	60€	Regular PhD student	31.01.2019

* Fees include the icebreaker and beverages during the workshop.
The registrations and payments to workshop are performed through an online form.

For more information please visit **http://uhh.de/cen-mountainmodels**

If you have any questions please feel free to contact us via **mcme2019@gmail.com**

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