

Job ID: IGF146PD122

The Institute of Interdisciplinary Mountain Research (IGF) of the Austrian Academy of Sciences (OeAW), Austria's leading non-university research and science institution, engages in the basic and applied research on impacts of global change processes in mountain regions across the globe. The working groups at the IGF provide a broad spectrum of expertise on a wide range of topics, and together create an exciting atmosphere for interdisciplinary mountain research. The institute is now offering a

## POSTDOC POSITION (F\*M) *for Landscape Evolution Modelling* (full-time, 40h per week)

for an initial period of one year, with the possibility of an extension to up to six years in total. Starting date is to be arranged. The full-time position is affiliated with Working Group Coupled Human Landscape System: Risk & Resilience at IGF, located in Innsbruck/Austria.

### Your tasks:

- To work primarily on the landscape evolution model (LEM) and to tackle questions on climate change and/or human impact on landscape evolution. This will include to develop or adapt a LEM taking also mountain hazard processes (landslides, debris flows, floods, ...) into consideration.
- To work - together with the interdisciplinary team at the IGF and at the Department of Geography, University of Innsbruck - to enhance the conceptual model for analysing coupled human-landscape systems in mountain areas (Hossain et al. 2020) by identifying crucial couplings and interactions on different spatial and temporal scales.
- Based on the conceptual model and related to the study sites you will develop a numerical prototype of the coupled model for the human-landscape interaction system, which will be tested and evaluated together with the interdisciplinary team. Another PostDoc will focus on agent-based modelling and the social/economic aspects.

### Your profile:

- PhD degree in the fields of e.g. geography, hydrology, geosciences, environmental sciences or similar.
- Experience in interdisciplinary research and respective collaboration with various disciplines
- Expertise with geomorphology (preferable mountain hazard processes) and landscape evolution models
- Additional experience with human-environmental interactions, coupled human-landscape (natural) systems (CHANS), risk and resilience are an asset.
- Motivation to take on initiative and responsibility within your own research.
- Dedication to scientific excellence and high quality of work.

### Our offer:

- Excellent opportunities to work in a lively research environment and collaborate with international experts in the fields related to the project.
- An annual gross salary of € 56.861 according to the salary scheme of the Austrian Sciences Fund.

Please send your application including (1) a curriculum vitae, (2) a list of publications, (3) statement of the past and current research experience (up to 2 pages), (4) certificates for full academic record, and (5) up to three names of references with the full contact information by e-mail in a single PDF file to [bewerbung-igf@oeaw.ac.at](mailto:bewerbung-igf@oeaw.ac.at), (mentioning Job ID: IGF146PD122) **no later than December 31<sup>st</sup>, 2022**. The position will be open until adequately filled.

*The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. Individuals from underrepresented groups are particularly encouraged to apply.*