

The German Research Foundation (DFG) and the Austrian Science Fund (FWF) are funding an interdisciplinary research unit that investigates the sensitivity of high alpine geosystems to climate change since the year 1850 (SEHAG).

For this research project, the **Chair of Physical Geography** at the Catholic University of Eichstätt-Ingolstadt invites applications for the following **two part-time positions** (62.5 % each) to be filled **from March 1<sup>st</sup> 2019** or earlier:

### **2 Research Associates**

in temporary employment for the period of 36 months. Providing that the requirements are met, remuneration will be according to the pay grade E 13 TV-L.

The requirements for the position are

- MSc degree or equivalent in geography, geosciences or neighbouring disciplines with a focus on process geomorphology/earth surface processes
- Experience with digital photogrammetric analysis (SfM), LiDAR data acquisition and processing, 3D point cloud analysis, GIS/analysis of digital elevation models
- Practical experience with a programming/scripting language
- Readiness and ability to conduct fieldwork in high-mountain areas
- Driver's license (class B)
- Ability to communicate in German, plus very good English presentation and writing skills
- High degree of motivation and ability to work both independently and within a team

We expect the successful candidates to pursue doctoral research as part of their work, including the organization and conduct of fieldwork, visits to historical archives in order to retrieve historical imagery, data analysis (statistics, GIS, digital morphometry etc), publication in international peer-reviewed journals and presentation at national and international scientific meetings. They will be firmly embedded not only into the Chair's working group (with other PhD students and senior scientists) but will be in close collaboration with the other working groups of the SEHAG consortium (TU Vienna, TU Munich, Universities of Innsbruck and Bremen). This includes joint fieldwork, regular meetings and optionally guest residence at other institutions.

The successful candidates will work on one of the following topics:

- Reconstruction and analysis of the activity of debris flows and gravitational mass movements, their relation to hydrometeorological triggers and climatic changes since 1850, their interaction with other processes, and their role in sediment cascades
- Reconstruction and analysis of nival and periglacial processes (including snow avalanches and rock glaciers) and their relation to climatic changes since 1850. Analysis of the temporal evolution of (proglacial) lakes and their role as sediment traps.

The Catholic University of Eichstätt-Ingolstadt is a non-state institution under church leadership and officially recognized by the Free State of Bavaria. It is committed to promoting equal opportunity for women and men, and aims to ensure that its members are able to balance work and family life. Candidates with severe disabilities who are equally suitable to other applicants will be prioritized. All staff are obliged to recognize and respect the ecclesiastical mission and Catholic character of the University.

Please send your application with the usual supporting documents by e-mail to Prof. Dr. Michael Becht (michael.becht@ku.de) **by February 10th, 2019**. Please combine all documents in one PDF file. All submitted application documents will be destroyed in accordance with data protection regulations after the hiring process has been completed.