

The Professorship of Physical Geography / Landscape Ecology and Sustainable Ecosystem Development (Prof. Dr. Susanne Jochner-Oette) at the Faculty of Mathematics and Geography of the Catholic University of Eichstätt-Ingolstadt invites applications for the following position (65 %, E 13 TV-L) to be filled from March 2019:

### **PhD student**

as temporary employment for the period of three years.

We offer an attractive working environment in Eichstätt located in the Altmühl Valley Nature Park. You will be integrated in an expanding team of young and encouraged scientists. We offer opportunities for cooperation and exchange with scientists and PhD students from various national and international universities.

**Topic:** Climate change is believed to increase pollen production and allergenicity. Up to now, little is known about additional biotic and abiotic factors that might alter these pollen characteristics. Within this project funded by the DFG in-depth knowledge should be gained which allows the prediction of future alterations under climate change conditions in more detail. An interdisciplinary collaboration between scientists of landscape ecology, phytomedicine and environmental medicine shall answer how biotic and abiotic factors impact pollen production and allergenicity and finally the allergic reactions in patients.

**Tasks:** Your tasks include the estimation of pollen production of birch trees located across Europe in International Phenological Gardens and the Bavarian Alps, the analysis of pollution data, land use information and other environmental factors. You will present the gained results in peer-reviewed journals, at international conferences and to the public. The cooperation with the Humboldt University of Berlin and the Technical University Munich will provide additional insights in phytopathological and medical analyses.

#### **Your profile:**

- full university degree (Diploma/M.Sc.) in Geography, Forest Science, Landscape Ecology, Biology or related disciplines
- willingness to travel, pleasure and endurance during fieldwork
- experience with data analysis, statistics and GIS
- laboratory skills are of additional advantage
- very good communication skills in English (German is of additional advantage)
- driving licence
- high degree of creativity, efficiency, self-reliance and flexibility
- good communication skills and ability to work in an interdisciplinary team

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.

Please send your application with the usual supporting documents by e-mail to Prof. Dr. Susanne Jochner-Oette (susanne.jochner@ku.de) **by February 15, 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.