



LUDWIG-  
MAXIMILIANS-  
UNIVERSITÄT  
MÜNCHEN

DEPARTMENT OF GEOGRAPHY  
CHAIR FOR HUMAN-ENVIRONMENT RELATIONS



## Post-doctoral Position (100%)

### Profile

The chair of Human-Environment Relations (HER) at the Department of Geography, University of Munich, has an inter- and transdisciplinary orientation and studies the question of transition towards sustainability. Key issues thereby are the processes in Human-Environment Systems which are at the interface of individual decision-making, social structure, governance, and environment. The research fields tackled include sustainable resource management (e.g., energy, water, phosphorous); sustainable regional development; and sustainable value added chains. The methodological competences range from qualitative analyses to ABM and material flow modeling, which are combined to analyze, model and steer human-environment systems in the above mentioned research fields.

The Post-doctoral researcher will work in an interdisciplinary team within the cooperation project between the University of Munich and the University of Graz - TERIM (Transition Dynamics in Energy Regions: An Integrated Model for Sustainable Policies). He/she will develop a dynamic energy flow model considering the resource system, dynamics in the buildings and infrastructure sector, and cooperate in linking the model with an agent based model on decision-making processes. He/she should already have experience in modeling material and energy flows.

### Requirements:

- PhD in geography, environmental systems sciences, environmental engineering or other appropriate discipline
- Excellent knowledge in material flow analysis and dynamic modeling (additional knowledge in System Dynamics and/or agent based modeling is of advantage)
- Experience and /or interest in interdisciplinary research
- Pleasure and involvement in the build-up of a new chair in Human-Environment Relations
- Excellent English (German knowledge is of advantage)

The working place is at the University of Munich and the University of Graz. In Munich it is located at Luisenstrasse/Gablerstrasse in the centre of Munich and easily accessible with public transportation.

**Deadline for application:** August 14<sup>th</sup>, 2012

**Starting date:** October 1<sup>st</sup>, 2012 or upon agreement

**Length of employment:** until 31. December 2013, extension might be possible

Applicants are required to send their application files (Motivation letter, CV, publication list, 2 reference letters, and 3 potential referees) in electronic form in **1 pdf file** until August 14<sup>th</sup>, 2012 to Prof. Dr. Claudia R. Binder ([claudia.binder@lmu.de](mailto:claudia.binder@lmu.de)) and Prof. Dr. Alfred Posch ([alfred.posch@uni-graz-at](mailto:alfred.posch@uni-graz-at)). For questions please contact Prof. Binder ([claudia.binder@lmu.de](mailto:claudia.binder@lmu.de)).