# PhD and Postdoc positions on Flood Resilience studies in the ERC funded project STORIES at LMU Munich

The Ludwig-Maximilians-Universität Munich (LMU) is one of the largest and most renowned universities in Germany. The Chair in Human Geography at the Department of Geography offers **a PhD student position and a postdoctoral researcher position** to support the research activities in the context of the European Research Council (ERC) project STORIES (ID: 101040939), led by Dr. Liang Emlyn Yang. This is a 5-year research project funded with 1.5M€ that will investigate the dynamic interactions of floods impacts and social resilience in the Mekong River basin. Based on the project, a small team will be established to do pioneering and impactful science on climate resilience.
https://www.geographie.uni-muenchen.de/department/fiona/forschung/projekte/index.php?projekt_id=342

**What we offer:**
- A PhD student position at 75% working time, starting from April 01, 2023 and lasting for 3 years. Remuneration will be according to the German TV-L scheme at the E13 Level.
- A full time postdoc researcher position with an initial appointment of 1 year. An extension of 2 more years is clearly envisaged, subject to satisfactory work performance and positive evaluation. Starting time can be on April 01, 2023 or as soon as possible thereafter. Remuneration will be according to the German TV-L scheme at the E13 or E14 level upon work experience. Further career development will be supported.

**Tasks and responsibilities:**
- The PhD student will carry out case studies at the upstream of Mekong River (Lancang River), particularly in Yunnan and Sichuan of China. This includes implementation of field investigation, household surveys, expert interviews, local workshops, and data collections from various sources. The PhD study shall explore flood resilience based on the case studies, by applying Agent-Based Model and/or Social Network Analysis under supervision.
- The postdoc researcher will concentrate on methodological development of Agent-Based Model and/or Social Network Analysis for studying flood resilience, using case studies at the Mekong basin and also beyond. The researcher will take a leading role in the development of scientific publications, organizing and supporting various activities of the project, and co-supervising junior researchers in the project team. The researcher will also contribute to developing new research proposals in the broader field of climate resilience studies.

**Required qualifications and experiences:**
- Master's degree is required to start the PhD study, with an education background in geography or a related discipline such as spatial planning, environmental studies, hydrology, geo-informatics sciences, sociology or development studies.
- The postdoc researcher must have a strong publication track-record in any research fields that are closely related to flood resilience or climate resilience studies. Strong skills and experiences in developing Agent-Based Model and/or Social Network Analysis are prerequisite.
- For both positions, willingness to travel for work (field investigations, project meetings, workshops etc.) in China, Vietnam, and other Mekong basin areas is necessary. Proven skills in qualitative as well as quantitative social science research methods are required. Strong skills in

project management, workshop moderation and organization are required. Excellent English language skill (written and oral) is prerequisite.

**Additional assets of interest for both positions:**
- Expertise in mathematics, statistics, modelling and/or programming (e.g. R, Netlogo, Matlab, Python)
- Curiosity and interests in the environmental history, anthropology and culture at the Mekong upstream and the Tea-Horse Road area in Southwest China
- Proven skills in transdisciplinary and participatory research methods
- Experience in outreach and communication work at the science-policy-interface
- Language skills (written and oral) in German, Chinese, and/or that at the Mekong basin

**Application:**
The positions are negotiable regarding full or part working time. We seek to increase the share of women in scientific positions and therefore explicitly encourages women to apply. People with disabilities who are equally as qualified as other applicants will receive preferential treatment.

Applications shall be compiled into one PDF document that includes a motivation letter, detailed CV, list of publications, a brief research proposal (2-3 pages), supporting documents/certificates, and contact details of at least two potential references.

Interested applicants are invited to submit their applications by e-mail to emlyn.yang@lmu.de by Sunday, 08 January 2023, 23:59 CET. The interviews with short-listed candidates are scheduled for the end of January 2023.

**Contact:**
For further information or to discuss the positions please contact Dr. Liang Emlyn Yang by email (emlyn.yang@lmu.de).

**The two jobs are also announced separately at LMU job-portal:**
→ A Postdoc position on methodological development for modeling flood resilience (Agent-Based Model and/or Social Network Analysis). Application deadline on January 08, 2023.
https://job-portal.lmu.de/jobposting/1b2f6b6f4b2d426735880cac3c6678040e00d3ad0?ref=homepage

→ A PhD student position focusing on case studies of flood resilience at the Mekong upstream areas in Southwest China (Sichuan and Yunnan Provice). Application deadline on January 08, 2023.
https://job-portal.lmu.de/jobposting/d6daf26e9d46fd1d0ba756a7260918919ffc6b200?ref=homepage