



Ludwig-Maximilians-Universität München is one of the largest and most renowned universities in Germany with a wide range of responsibilities. The Department of Earth and Environmental Sciences offers two

Postdoctoral Positions (m/f/x) – Assessment of Secondary Raw Materials

The Department of Earth and Environmental Sciences, Ludwig-Maximilians Universität München, invites applicants for two 3-year postdoctoral positions, offering applicants an exciting opportunity to take part in a large Horizon Europe funded project. The **Future Availability of Secondary Raw Materials (FutuRaM)** project seeks to (1) develop knowledge on the availability and recoverability of secondary raw materials (SRMs) within the European Union (EU), with a special focus on critical raw materials (CRMs), (2) to enable fact-based decision making for their exploitation in the EU and third countries, and (3) disseminate this information via a systematic and transparent Secondary Raw Materials Knowledge Base (SRM-KB). The project will include (A) detailed elaboration of a methodology for Secondary Raw Material availability assessment in alignment with the United Nations Framework for Classification for Resources (UNFC), which considers all three pillars of sustainability, and (B) application of the methodology in case studies. The candidate will be working as part of a team led by Prof. Dr. Soraya Heuss-Aßbichler, as well as a multitude of collaborators from industry and government.

Tasks and responsibilities:

The postholder will work with an interdisciplinary pan-European team together with academia, industry and government to -

- become familiar with the UNFC and the intentions to further develop it for sustainable classification of primary and secondary resources on a level playing field;
- critically review and consider relevance of existing approaches for assessment and evaluation of resources based on all aspects of sustainability;
- develop a methodology and associated template for collection of relevant existing and new data on the properties and impacts of secondary raw materials, in alignment with the UNFC;
- test and demonstrate the methodology and template for secondary resource classification case studies;
- prepare publications of research results in collaboration with the research team.

Requirements:

Applicants should hold a PhD in a discipline relevant for classification of secondary materials, e.g. research in technology, economic, environmental, social and/or regulatory aspects related to the recoverability of secondary raw materials (completed or close to completion). They should be able to demonstrate:

- excellent knowledge and understanding of and a research interest in waste management and/or circular economy;
- experience in economics and/or environmental and/or social aspects of circular economy;
- excellent understanding of (cross-national) data collection, management, and analysis; experience in the design and implementation of coding qualitative data as well as advanced quantitative methods are desirable;
- excellent communication skills, including verbal and writing skills in English; a good working knowledge in German and/or other European languages is desirable;

- excellent organizational skills and the ability to work independently and in teams. Experience of working in cross-national, comparative projects is desirable.

Benefits:

We offer you an interesting and responsible job with good training and development opportunities. You will work in a pan-European team, including participation in workshops and conferences. The postholder will be provided with office space in the LMU Department of Earth and Environmental Sciences in central Munich, and can be easily reached by public transport.

- Pay is based on TV-L ‚Entgeltgruppe‘ E 13.
- The position is to start no later than September 1, 2022 and is restricted to a duration of three years. Part-time employment is generally possible.
- Striving towards gender equality, diversity and equal conditions is both a question of quality for LMU and a given part of our values. We will consider applications to work on a part-time, flexible, and job share basis wherever possible.
- People with disabilities who are equally as qualified as other applicants will receive preferential treatment.

LMU has signed the "Diversity Charter" and is committed to the diversity of its employees. We therefore actively promote equality between women and men.

Contact

Please submit the following (in English):

- Cover letter
- CV
- Diplomas
- Contact data for two referees (referees will be contacted only at the interview stage)

The submission deadline is 20 May 2022. Please submit your application per email (in one PDF, max. 5MB) to the futuram@iaag.geo.uni-muenchen.de

If you have any questions, please get in touch with Professor Dr. Soraya Heuss-Aßbichler (heuss@lmu.de)