

Job offer

Student Assistant (f/m/d)

RLS Graduate School EnergieSystemWende

The Graduate School EnergieSystemWende, funded by the Reiner Lemoine Foundation, conducts research for a renewable, integrated, and socially just energy system. It is located at the Reiner Lemoine Institute, an independent, non-profit institute that contributes to a transformation towards a sustainable energy supply based on 100 % renewable energy. One of the Graduate School's research projects investigates sustainable mobility, supervised by the Workgroup for Infrastructure Policy (WIP) at TU Berlin.

We are offering a position as **student assistant** to be filled as soon as possible in the following project:

Sustainable Mobility Scenarios in Germany

The position is to be filled for a period of 6 months. There is the option to write a **master's thesis** based on the research conducted in this position.

Description:

The German transport sector is the largest final energy consumer, while still being highly dependent on fossil fuels and emitting a significant share of GHG emissions. German aspirations to mitigate climate change include the transport sector transformation ("Verkehrswende") which consists of efficiency measures to improve the current system (e.g. electrified drive trains) as well as consistency and sufficiency measures affecting mobility behavior (e.g. shifting traffic to energy-efficient modes, reducing transport demand). Both, the technical and the behavioral dimension are expected to have an evenly important mitigation potential. However, the current public, political and scientific debate largely focuses on efficiency measures. In demand of modelling consistent pathways for renewable transport futures, the above-mentioned research project investigates both dimensions.

You are asked to define sustainable mobility scenarios for the German passenger transport sector, which contain distinct political, behavioral, infrastructural, and other measures that affect mode choice and mobility demand. Measures themselves are translated into a set of quantitative parameters that can be used in an existing transport modeling framework – a discrete choice model. In this simulation model, parameters can be behavioral (i.e. calibration variables) or network-related. The scenarios employ holistic narratives, even though the focus lies on non-urban passenger transport. Starting with a comprehensive review of possible transport sector measures, the methodology for scenario definition is based on a solid scientific background (e.g. scenario analysis or stories and simulations).

Requirements:

- Candidates must be enrolled in a master's degree program, preferably Futures Studies, Transportation, Sociology, Political Sciences with a transport background, or a related relevant field
- Excellent German and English language skills are required – at least C1-level in one of these languages
- Keen interest in the "Verkehrswende" and analysis of complex systems
- Willingness to develop a suitable methodology
- Strong grasp of quantitative methods
- Clearly structured documentation and communication of results
- High degree of independence and reliability



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What we offer:

- A friendly and open work environment with a young and progressive team (currently about 70 employees, with appr. 25 students)
- Academic support and supervision
- Flexible working hours; remote work possible
- Transparent and participatory job culture
- Internal trainings
- Career development opportunities
- Office on the Science Campus Adlershof, excellent public transport access

Applications are accepted in German or English. Please include a cover letter, your CV, your latest transcript of records, and additional references (as one PDF document). Send your application via e-mail to bewerbung@rl-institut.de with the reference "**Kolleg_89_060720**" in the subject line.

Questions regarding job contents can be directed towards [Marlin Arnz](#).