

The Institute of Systems Sciences, Innovation and Sustainability Research at the University of Graz is
looking for a

Project employee without doctorate

(30 hours a week, temporary employment for 3 years,
position to be filled as of January 2022)

Circular Economy - Digital Product Passport (CE-PASS) is an FFG-funded project at the University of Graz that aims to develop a digital product passport. This digital product passport should enable the traceability of environmental and social impacts along supply chains and also serve decision-making on circular economy strategies through the multi-lateral exchange of product information. The focus of the research project will be on the automotive industry and combustion engines and vehicle traction batteries will serve as use cases. In the context of software prototype development, the research focus of the University of Graz will be on requirements and concept development for the product passport and its use in decision-making processes in the product design and end-of-life phases. Besides the University of Graz, AVL List GmbH, iPoint systems GmbH and Salzburg Research are involved in the project.

Your duties

- Participation in the research of the project “Circular Economy - Digital Product Passport (CE-PASS)
- The research in this project will focus on the development of a prototype for a digital product passport
- The development of this digital product passport will involve, among other tasks:
 - The identification of sources of sustainability data (i.e., environmental, social and economic) for two use-cases: internal combustion engines and electric vehicle traction batteries
 - The identification of stakeholder requirements for the exchange of the data along product life cycles
 - The development of concepts for utilizing life cycle data from a digital product passport in the vehicle design and end-of-life stage
- Conducting a dissertation in the context of the research in the CE-PASS project
- Participation in conferences, publications in peer-reviewed journals and other media of knowledge transfer
- Participation in organisational and administrative tasks
- Continuing education in research skills

Your profile

- Diploma or Master’s Degree
 - in the sustainability sciences (e.g., environmental systems sciences, sustainable development, industrial ecology) or the social sciences (e.g., business administration, economics, sociology, ...) with proficiency and affinity for information technologies and data science, or
 - in data science/informatics with proficiency in sustainability management and assessment.
- High commitment and motivation for scientific work and the completion of a doctoral degree
- Proficiency in qualitative and quantitative research methods
- Data analysis and programming skills, preferably in R and/or Python
- Very good written and spoken English skills
- Structured and goal-oriented thinking
- Self-initiative and reliability as well as organizational, cooperation and team skills
- Very good communication skills
- Motivation to work in international and interdisciplinary teams



- Responsible way of working, resilience and problem-solving ability
- Publication experience is beneficial

Classification & Salary

- Salary scheme of the University Collective Agreement (“Universitäten-KV”): B1 (minimum salary 2.296 €)

Application procedure

If you are interested in this position, please submit your application documents (motivation letter, CV, certificates) before the application deadline to: rupert.baumgartner@uni-graz.at.

Please combine all documents in a single file and enter "CE-PASS PhD" as subject in your email.

For further questions please contact Prof. Dr. Rupert Baumgartner (Institute of Systems Sciences, Innovation and Sustainability Research) at +43 316 380 3237.

Application Deadline: **November 15th 2021**