

Tech Venture Challenge

Trailblazing the Circular Economy with CIRCULAR REPUBLIC



Picture: Francesco Lo Giudice / Unsplash

Challenge description

Amidst climate change, resource depletion and biodiversity loss on the one hand, and the industrial competitiveness and security of supply on the other hand, UnternehmerTUM is launching a new large-scale initiative to transform European industry and create a circular economy. Building this initiative, we need you! In this Tech Venture Challenge, you will help us setting up a multi-stakeholder platform business from scratch. The goal of the project will be to identify opportunities and realize circular MVPs for specific value streams such as textiles or electronics.

Within your master thesis project, you will work on scientific research questions depending on your study program and related to

- analysis of best practices of circular platform businesses
- data generation and interpretation in specific value streams and stakeholders in the footwear industry
- Identification of missing technologies or solutions in the value chain in order to close the loop
- strategic and financial business models for multi-stakeholder platforms

Profile and process

You apply individually with a motivation and a CV (but no project draft) and will write an individual master thesis which is suitable to your study program. At the same time, you will be brought together in a group of 3-5 students. You should have:

- Motivation to innovate and revolutionize industries
- Exceptional analytical skills
- First experience in data management
- Creative problem solver skills
- Willingness to take responsibility and work independently
- A team player attitude

We are looking for talented candidates from different fields (e.g., with major in mechanical engineering, electrical engineering, computer science, management, social science, ...) to work on the challenges. Application is possible as an individual or as a team. In your application, please explain your background, state your motivation, what skills you can bring to the team and if you are interested/experienced in a specific value chain or industry, which you'd like to help go circular.

Upon successful application, you will become part of the TUM Entrepreneurial Masterclass with all according benefits. In the best case, this project should lead to actual implementation and ideally incorporation as a venture.

