Call for Challenges around the theme:
Leave no waste behind - Cities | Energy | Consumption

Challenge-based learning activities for students, vocational trainees & professional learners

www.euroteq.eu/collider | http://go.tum.de/702014
Become a Waste Challenge Collaborator for our EuroTeQ Collider 2022

The Technical University of Munich (TUM) joined forces with six leading universities of science and technology to foster the European spirit in a EuroTeQ format, the EuroTeQ Collider. The goal is to promote an innovative engineering education across Europe.

The Collider is a challenge-based learning activity that takes place at all EuroTeQ partners in the form of project weeks. During those weeks, participants with different profiles and personalities are connected to tackle challenges around the theme Leave no waste behind. ‘Collider’ is the chosen term to emphasize a core value that the most creative and innovative solutions often emerge from the collision of ideas from a diverse group.

TUM is in search of student ideas and/or existing student projects that help us to develop concrete challenges in three different topic domains:

- **Cities**
  - Construction/building
  - Public lightning
  - Streets (trash bins)
  - …
- **Energy**
  - Renewable resources
  - Digital & data
  - Transport
  - …
- **Consumption**
  - Food
  - Textiles
  - Circular approach
  - …

Within every topic domain, interdisciplinary (and international) teams of students, vocational trainees, and professional learners are formed to develop practical solutions for a desirable future, test and validate tools and create prototypes of their solutions. A selection of the best projects will be presented in a major high-level event, the EuroTeQaThon, where all EuroTeQ universities come together. The winner teams of the EuroTeQaThon will be invited to present their projects at the European Commission.

**Options to join the EuroTeQ Collider**

- You can either propose your own idea as a challenge within the three topic domains
- And/or enroll in the module as a participant (open to all study fields + Bachelor/Master)

**Why participate in the EuroTeQ Collider with your idea?**

- Meet vocational trainees and professionals from different companies and learn from their experiences, while boosting your network
- Strengthen your individual and/or organizational innovation capacity
- Be part of the EuroTeQ Engineering Movement that strives to make an impact by connecting education, industry, and society
- Gain credits for transforming your passion into reality!

**Timeline: September – November** flexible time investment) of Mentors

| AUG – SEP | Waste challenge collection |
| SEP 22 | Deadline submission challenges |
| SEP 27 11AM - 1PM | EuroTeQ Collider launch event – presentation of challenges |
| OCT 4 - 14 | Workshops for participants + mentors (Team Building, Design Thinking, Communication/Presentation skills, “How to be a good Mentor”) |
| OCT – NOV | Working phase within the groups and mentoring sessions |
| TBD | Intensive working weekend (in Raitenhaslach) |
| Nov 18 | Final presentations of projects by theme |
| Nov 23 – 25 | EuroTeQaThon |
| Jan | Visit Brussels (only winner teams of the EuroTeQaThon) |

Submit challenges and learn more about the Collider by contacting: [veronica.becker@tum.de](mailto:veronica.becker@tum.de)