EuroTeQ Collider 2022
Become a Waste Challenge Collaborator

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 faculties/course coordinators to become challenge collaborators that help us to develop concrete challenges and form teams in three different topic domains:

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<tr>
<th>Cities</th>
<th>Energy</th>
<th>Consumption</th>
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<tr>
<td>• Construction/building</td>
<td>• Renewable resources</td>
<td>• Food</td>
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<td>• Public lighting</td>
<td>• Digital &amp; data</td>
<td>• Textiles</td>
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<td>• Streets (trash bins)</td>
<td>• Transport</td>
<td>• Circular approach</td>
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Within every topic domain, interdisciplinarily (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.

Requirements to become a Challenge Collaborator

- Propose a challenge within the three topic domains and become an advisor/mentor for the participants (Time investment: 4-10 hours in total)
- Optional: Become part of the jury that selects the best teams for the EuroTeQaThon. There are three different juries for each pillar. Thus, challenge collaborators as jury members would not be in the pillar where the challenge was given.

Why join as a Challenge Collaborator

- Offer a new challenge-based learning platform for your students
- Strengthen your individual and/or organizational innovation capacity
- Be part of the creative development process that brings new concepts and solutions from vision to reality in the field of waste
- Support the EuroTeQ engineering university in the development of a new challenge-based innovation approach connecting education, industry, and society

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

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