

D3.1 COLLIDER'S "CALL FOR IDEAS"

CO-CREATING SOLUTIONS FOR THE CHALLENGES OF THE FUTURE

Goal: Design an annual open call based on a given topic in order to collect ideas for possible EuroTeQ Collider projects

Definition of the Collider

The EuroTeQ Collider is a new, innovative learning journey which shall bring us closer to understand and solve the challenges we face today. The newly developed educational format, which is at the heart of the EuroTeQ project, aims to lead to tangible solutions, which will be co-created together with stakeholders inside and outside of the university. Each Collider will have a central theme, which has been agreed on by the Talk-the-Talk/Walk-the-Walk-Committee (TT/WW-Committee) – the central academic and strategic working group of the Collider Work Package – and will be validated by the EuroTeQ Management Board.

The EuroTeQ Collider is a challenge-based co-creation activity that will take place in the form of project-weeks. It will run in a similar manner at each partner university – while respecting the partners' semester and students workload situation – and will take place for the first time in spring 2022. The Collider has three phases: the Call for Ideas, the Collider project weeks and the EuroTeQaThon. The core concept is based on a process of selecting and working with multi-stakeholder driven ideas and challenges within the selected theme.

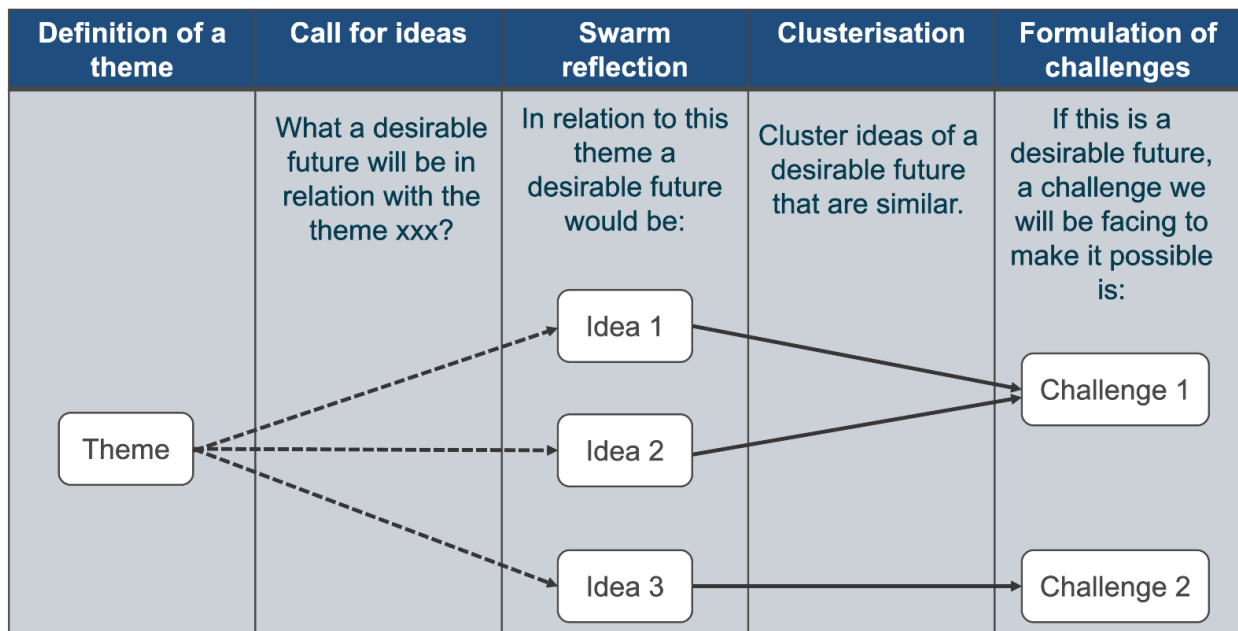
The inclusive structure of the Collider will allow for wide participation of interdisciplinary, international teams consisting of students and in collaboration with vocational trainees and professionals, in an approach to further develop lifelong learning and to spark innovation. Each team will be identified and formed based on the defined challenges. During the Collider weeks, participants will work in interdisciplinary and multi-stakeholder teams on challenge-based projects with the ultimate goal to develop solutions which have a real and sustainable impact.

Definition of the Call for Ideas

In the construction of the Collider (see the Construction Diagram in annex), the Call for Ideas is the opportunity for everyone to contribute to the realization of a "desirable future" according to a specific theme. Participants can submit their ideas via an online questionnaire within a limited period of time. The collected ideas on a desirable future are then used to formulate the challenges that need to be tackled during the project weeks. This bottom-up approach ensures that the Collider learning formats meet the

expectations and needs of the participants, the visionary elements how the learners perceive the future bear potential for innovations, and finally the multi-stakeholder approach allows to bridge different educational systems and creates solutions as a result of various perspectives.

For the first Call, launched in October 2021, the overall theme is “Leave no waste behind”. Everything circles around the reduction of (man-made) waste and waste disposal. For the open call and pilot, it is important that as many people from diverse perspectives and backgrounds submit their ideas, so that the project team can understand what interests different types of learners and people partner- and European-wide.



The Call for Ideas will be composed of three different elements:

1. the submission of the form/questionnaire,
2. the focus group design,
3. the list of the channels used to disseminate the call.

Open Call through an online questionnaire/ form

We agreed on an online questionnaire, largely disseminated to any potential target group, plus an optional focus group workshop for those who wish to have a deeper discussion with specific targeted groups. This so called focus group will address only a few numbers of participants for one hour, will be led by a moderator to help collect ideas in a structured way and to gather relevant information for the definition of challenges.

The working group agreed that the [EuroTeQ website](#) and the all other relevant channels identified by the partners should be used to disseminate the Call. Additionally, partners will draw on the Local Advisory Board to disseminate the Call and reach a non-academic audience. This shall allow for the overall vision of EuroTeQ to be realized – that innovation sparks when different perspectives and backgrounds come together. We thus aim for diverse feedback.

The **target group answering the form** should be composed of:

- people over the age of 16, i.e. professionals can answer and include vocational learners' answers in case that they are under the age of 18.
- people from any higher education institutions, academic staff and industry partners companies (including the Local Advisory Boards members).

The **participants should indicate**:

- their status (student/professional/academic staff)
- their affiliation to a higher education institution (a EuroTeQ University or any other) or to a company
- their email address [optional]

The **form should allow participants to**:

- propose multiple ideas by completing the form several times
- have a common notion of what “an idea” is
- express openly and imaginative ideas on the desired future (open text fields)
- have a common understanding of the purpose and the expectations of this form with the possibility of learning more on the Collider per se (maybe a link to the EuroTeQ website).

We agreed that the launch of the questionnaire and the work of the focus group should be running in parallel. Regarding the timing, we identified and agreed that the *Call for Ideas* will ideally be running at the beginning of October until the end of the month. Doing so, we can try to have formulated challenges before 15 November in order to better adapt to individual academic calendars. We envisage to formulate the challenges before the end of December, in order to have enough time to spread information on the clusters among the teaching staff and students before the beginning of the partners earliest spring semester.

The regular working sessions allowed us to discuss and give feedback on the form. We agreed that each university should make sure that it receives at least 20 submissions for the *Call for Ideas* in order to get a minimum of 120 ideas in total.

Design of the form

We agreed to split it in three different parts:

- The first part contains concrete questions for the submission of ideas about the defined theme.
- The second part asks questions about the participant (profile, country, university affiliation) respecting the participant privacy according to GDPR.
- The last part explains the concept of the Collider and offers the option to subscribe to a mailing list.

For the first and most important part, we specifically took the position to have a *facilitator voice* where the questions can be broken down into 5 phases: **Brainstorming – Selecting - Describing / Imagining – Back casting – Naming.**

The questionnaire that has been published for the pilot Collider is annexed to this document (annex 2).

Design of the optional focus group

We worked on several scenarios to address various target groups:

DESIGN 1	
Target audience	Students
Location	<ul style="list-style-type: none"> • Local (in-person) • Local (in-person) simultaneously at each EuroTeQ University and dial into each other (hybrid 1) • Local (in-person) at one EuroTeQ university and the rest online (hybrid 2) • Completely virtual, so each EuroTEQ University, students, industry could attend
Duration	45 minutes
Agenda	<ul style="list-style-type: none"> • 15 min: 'Input/Intro' to future thinking – future literacy includes activity • 25 min: Prompted discussion / worksheet in groups of desired futures • 5 min: wrap up & supporting connection post meet up – EuroTeQ Collider promotion
Design principles	Each Idea Generator workshop can center around different technology themes based on EuroTeQ theme (<i>i.e. If the theme was Waste, could use broader categories of waste in relation to Food, Energy, Data, Circularity</i>)
Workshop goal	To tangibly and collectively create ideas that can be further collated and developed into spring ECTS accredited courses

DESIGN 2	
Target audience	Multi-Stakeholder- 30 Participants (10 Students -10 Researchers / Professors – 10 Industry representatives)
Location	Physical / on site
Duration	1,5 hours
Agenda	<ul style="list-style-type: none"> • Anticipatory Future Participants in their stakeholder groups create / articulate their hopes & worries of the theme for the year 2040 in small groups - who are the heroes & villains • Play with Diversity Participants explore the different ideas via speed interviews and other facilitated prompts • Create Together Desired Futures In new mixed groups, create new ideas (using simplified challenge canvas tool and/or idea form).
Design principles	Playful and open space bring participants into ideation mode enable visionary & bold thinking diversity
Workshop goal	To tangibly and collectively create ideas ready to be submitted to EuroTeQ Collider – <i>Call for Ideas</i> platform

Channels used to disseminate the call

All actions planned to promote the *Call for Ideas* are described in detail in a specific deliverable from Work Package 6: D6.3 Collider Outreach.

Project issues and risks

Risk 1. The call for ideas does not receive a sufficient number of responses

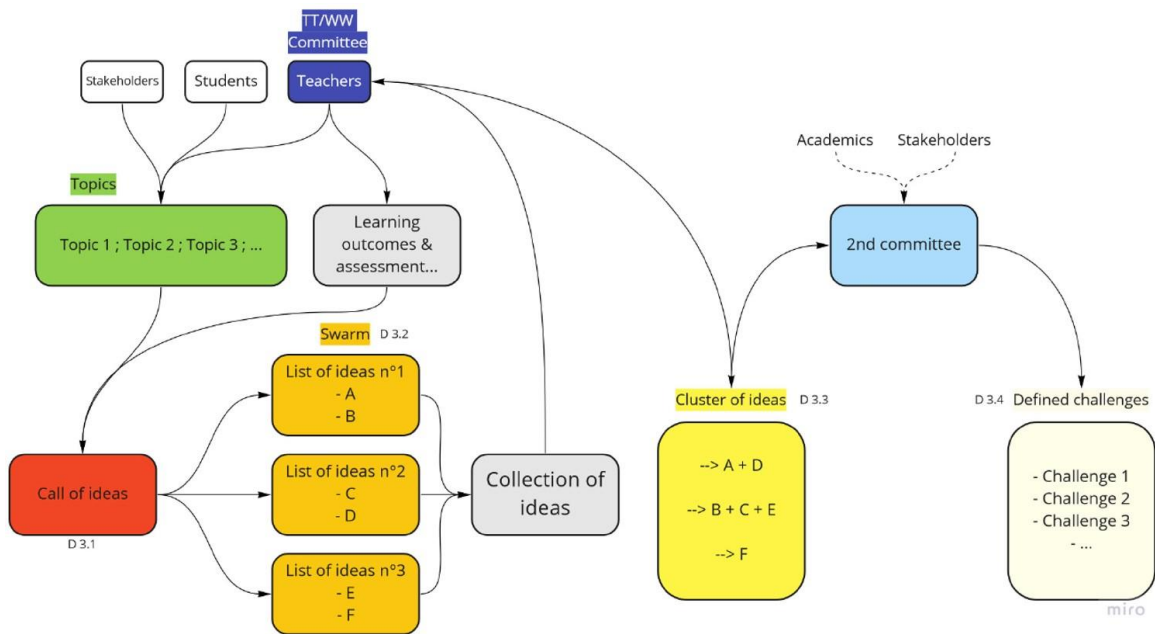
In case we do not receive a sufficient amount of data, we aim to increase our outreach frequency (and extend the submission period) in order to reach all target groups, which is relevant for the overall success of the Collider. Furthermore, we can set up more focus groups including students to discuss the theme and the *Call for Ideas* in person, and collect the needed data for the challenges this way.

Risk 2. The collected data cannot be processed

In case the collected data are not exploitable from a qualitative point of view or, for example, if the responses are not diverse enough, we will organize real-time sessions with stakeholders (students being first priority) to fill the form with them and make sure their answers are exploitable. These sessions could be individual or following the focus group workshop format.

VERSION	CONTRIBUTORS	DATE
V0 Draft	E. Herlicq & V. Merval (L'X)	14/10/21
V1	E. Herlicq & V. Merval (L'X)	18/10/21
V2	L. de Jong (TU/e), G. Marcocchia (L'X), H. Achten (CTU)	25/10/21

Annex 1: Construction of the Collider Diagram



Annex 2: The Call of Ideas questionnaire

Leave No Waste Behind - Call for your future ideas

EuroTeQ invites you to take part in this **bottom-up innovation process** of creating learning activities.

Below we ask you a series of questions to **collect your ideas in relation to the EuroTeQ 21/22 theme 'Leave No Waste Behind'**.

Please answer each question to the best of your imaginative and/or practical abilities.

There are no wrong answers or bad ideas.

Your answers enable us to understand what really drives you and helps us to develop a challenge-based co-creation activity with actionable solutions, called the Collider in Spring 2022.

Who can fill out this form?

- all ages, backgrounds, independent from your location of residences, are encouraged to contribute
- all types of educational and professional/ vocational backgrounds

There are 10 questions in total, subdivided into 3 sections.

Whereas section 1 requires text input, the other two are based on multiple choice answers.

Your contribution is very important for us. It takes you only 15-20 min to participate.

Please note that your answers are held anonymously.

Leave No Waste Behind: create your desirable waste future

If you have multiple desirable waste futures you would like to tell us you are welcome to submit multiple forms.

Your ideas will support EuroTeQ Engineering University to create challenges and actionable solutions towards a future of leave no waste no behind.

1

Getting in the right mindset:

What comes to mind when thinking about the phrase 'leave no waste behind'?

List keywords, phrases, concepts and thoughts.

There is no right or wrong feel free to list what is top of mind.

*Suggested Allocation of time: 5 minutes **

2

Selecting a Waste Area:

Think about an area you would like to see be affected by integrating a practice of **leave no waste behind**.

This area can come from your personal, academic and/or professional interests including hobbies, passion projects and industry sectors you find attractive and/or are part of.

In your response, **name the area/industry you have chosen** and feel free to provide context and stories, if relevant.

Suggested allocation of time: 2 minutes

3

Tell us your view in the future of waste:

It is 2041, what has changed to make the world a better place?

Please detail the following in your answer:

Think about and answer the following questions to the best of your ability:

- **Where did the waste go:** How did it get there, what happens to it now?
- **Physical Appearances:** How does it smell, taste, look, feel?

To help you get started you can fill in the following sentence if helpful:

In 2041, the use of waste will be different from today's reality in the following ways
..... (input or list 1-3 ways change has from 2021 to 2041).

Suggested allocation of time: 5 minutes

*

4

How do we get there?

Answer the following question:

This future will be possible thanks to (insert a technology, tool, service, process, organization, you are welcome to list several)

Suggested allocation of time: 3 minutes

*

5

What can get in the way?

What could you imagine to be somethings that could get in the way of your desired future?

To support your response you can think about the following:

- What are the missing crucial building blocks, governments, competing technology?
- What do you find challenging about this leave no waste behind future you have described above?

Suggested allocation of time: 3 minutes

*

6

Naming your desirable waste future:

How would you name your Future if it was a news article headline?
(feel free to include a subtitle)

Suggested allocation of time: 2 minutes

About You

The information you provide here will support EuroTeQ Engineering University knowledge of who we reach in the collection of call of ideas towards a future of leave no waste behind.

7

Please choose what best describes your position in society: *

- Student
- Academic Staff or Researcher
- Industry - Private Sector
- Industry - Public Sector
- Non-governmental organization
- Autre

8

Please check off all University affiliation(s) that apply to you as a student, exchange student and/or alumni: *

- CTU (Czech Technical University)
- DTU (Technical University of Denmark)
- EPFL (École Polytechnique Fédérale de Lausanne)
- I'X (École Polytechnique)
- TalTech (Tallinn University of Technology)
- Technion (Israel Institute of Technology)
- TU/e (Eindhoven University of Technology)
- TUM (Technical University of Munich)
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9

What is your current country of residence? *

- Czech Republic
- Denmark
- Estonia
- France
- Germany
- Israel
- Netherlands
- Switzerland
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More About EuroTeQ Collider

More about EuroTeQ: <https://euroteq.eu/collider>

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What is EuroTeQ Collider?

An innovation – learning journey towards enhanced understanding of the challenges we face and actionable solutions we need to co-create desirable futures in waste.

The EuroTeQ collider is a challenge-based co-creation activity, based on a process of selecting and working with multi-stakeholder driven ideas & challenges within a selected theme. The EuroTeQ collider will run bi-annually, once each semester.

The structure of the collider will allow one to form and participate in interdisciplinary – international teams consisting of students and in collaboration with lifelong learners. Each team will be identified and formed based on the defined challenges. During the collider participants will work on open-ended challenge-based projects with the ultimate goal to collectively develop solutions and actionable opportunities to create the desired future of interest.

To get more involved in the EuroTeQ collider be sure to follow your our website and your local university affiliation communication channels.



10

Would you like to receive further information about EuroTeQ opportunities including updates on the collider? *

Yes

No



Co-funded by the Erasmus+ Programme of the European Union
101004029 — EuroTeQ Engineering University — EuroTeQ
EACEA.A – Erasmus+, EU Solidarity Corps
A.1 – European Higher Education

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