



WP5			
D 5.12		Name: Toolkit for Sustainable European entrepreneurship education	
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Description

From the Technical description:

The ENHANCE network on SEI will develop a toolkit for sustainable European entrepreneurship education including a manual and an online community for academic staff on sustainable and European entrepreneurship.

Results

In line with the descriptions of Task **5.4 Toolkit for sustainable entrepreneurship education** and the associated deliverable **D5.12** an online repository of tools and methods, articles that introduce tools and methods, and example courses in top universities has been created. It is deployed online in the form of a website to facilitate its dissemination:

<https://publish.obsidian.md/sustainable-entrepreneurship-and-innovation-tools-methods/>

We are in the process of packaging the toolkit in a way that is more user-friendly to make sure that users can seamlessly navigate their way and find the tools that are relevant to their purposes. Connected to this, we proposed a master's thesis that will work further on classifying the tools and creating relevant tags to enable a more effective search of the content of the toolkit.

The toolkit has been spread through the consortium and received several rounds of feedback. It has also been distributed in external parties' organizations such as European Commission's JRC, Chalmers Ventures, Chalmers Innovation Office, and Chalmers Center for Sustainability, to name a few. The toolkit has already been utilized in various courses within the ENHANCE network as well as part of the ENHANCE summer school in sustainable entrepreneurship and innovation. In addition, the toolkit has also been used as a bridge to other WPs in the consortium such as WP6. Moreover, we received a request for permission to include the toolkit in the Engage Resource Hub which is a collection of teaching methods, learning material and background information for educators from all disciplines with an interest in entrepreneurship in education.

As it stands currently the toolkit uses tags to organize its content, as well as to continually qualify the value of the toolkit from a user perspective. The tags signify the following:

- #YES, #MAYBE or #NO: should the resource be included in the toolkit for sustainable entrepreneurship and innovation? This is used to help qualify the perceived value of the included tools and methods.
- #framework, #tool, #canvas, #mindset, etc: the type and focus of the resource. This helps users navigate better the intended use of the tool.

- #practice-based or #research-driven: whether the resource is the result of research or practice. This gives awareness and insight into the substantiating ground and intention of the tool provided.
- #designers #practitioners, etc: the target audience of the resource

The iterations through the consortium and in the courses have helped to build and verify the existing tags. Users are also encouraged to suggest additional tools and allocate appropriate tags.

Moreover, the tools are also organized based on their utility into collections. The collections in their current state are:

- business models and business design
- collaboration and strategy tools
- educational courses, frameworks, or methods
- idea generation and adaptation
- impact assessment and value related
- mindset and competence development

There are also some important concepts that may be needed to use some of the tools better. This can be found in the pane on the left side of the website. Finally, an INDEX page together with an interactive graph helps the user navigate the website.

We include a few examples of how the toolkit has been used in courses:

1. ENHANCE summer school in sustainable entrepreneurship and innovation 7.5 ECTS

This is the description of the assignment:

One group will facilitate interactive exercise(s) on 2 tools that they have identified from the toolkit. The group responsible for this part is expected to design and facilitate 45–60 minute interactive exercises. The key goal is to stimulate group reflections on sustainability issues, with particular focus on the theme of the day. You will need to pre-register your tools here to make sure that there will be no redundancy. Make sure to study the tools well to be able to facilitate their use by your fellow students. All the group members must be engaged. Let us know in good time if you want anything to be printed for hand out.

2. Idea Evaluation 7.5 ECTS

This is the description of the assignment. The main purpose was to both practice testing out different tools (which may be developmental) as well as gain a (constructive) critical reflection of application, and then present both findings and insights to peers.

- Explore these tools/methods and adapt at least two.
 - Start by skimming through all/most of the tools that are not familiar to you.
- Determine and claim the appropriateness of your choice.
 - The first tool/method may not end up providing a significant insight or input for the case.
 - Adapt your next selection of tool(s)/method(s).
- Opportunity for consultation with Yashar Mansoori
- You can also explore outside the provided database
- **Deliverable:** presentation of the applied tools
 - what was the tool
 - what information or assessment did it provide
 - how was that useful (or not) to the case
 - key take-aways
- The same reflections and insights are likely valuable for the cases, and thus should be **integrated into the idea evaluations** delivered to the idea providers.

NOTE: Examples of student deliverables connected to the toolkit are available upon request.