

Program Priority: SO1.1 - Improve the framework conditions for innovation in the Alpine Space

Work Package: WP T1

Activity: A.T1.2 Establishing transnational working groups to support CE with digitalisation processes

Deliverable:

D.T1.2.1 Meeting to set-up the transnational working group on circular design models approach

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Version: 01

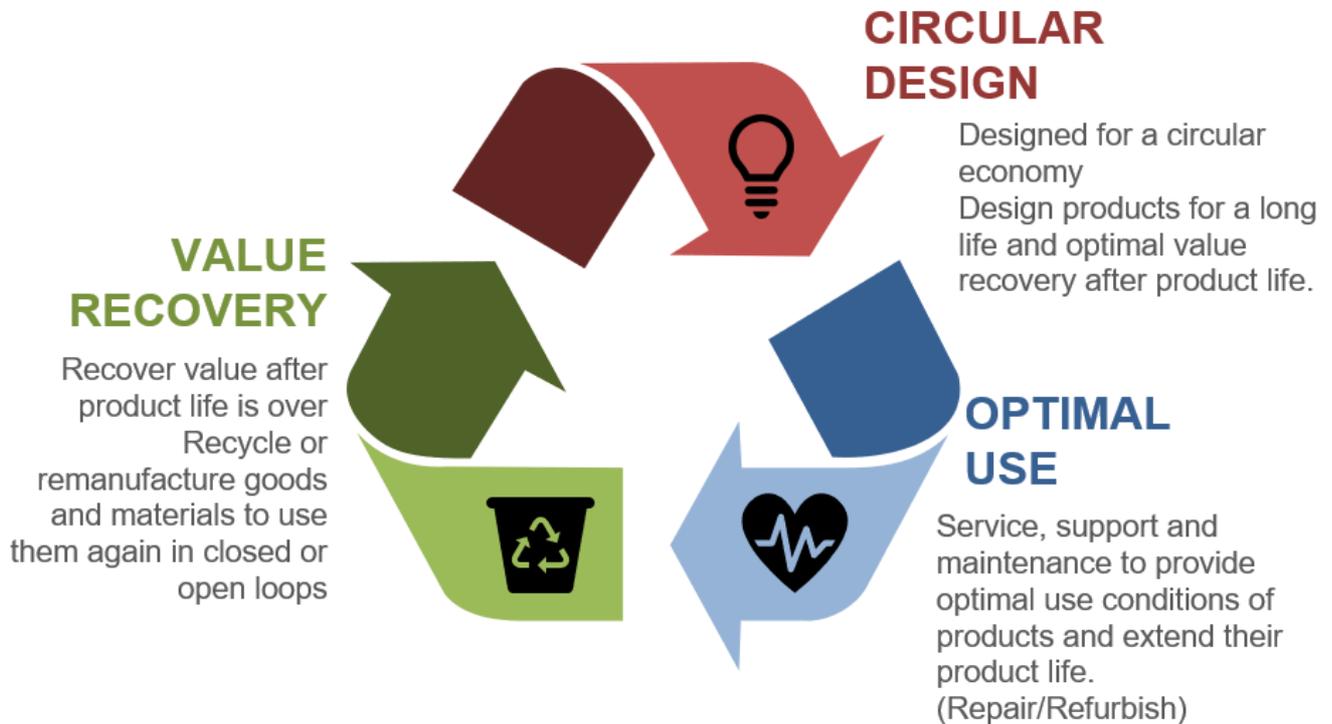
July, 2020

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Introduction/Context

In the scope of the project Circular4.0 three transnational working groups have to be identified and established. The business models those groups will be divided in are as following:



Transnational working group for circular design models

A new circular economy needs new designed focusing on such. Products and services need to be redesigned in order to fit and support a more circular economy. The focus of this TWG is the identification and development of circular design approaches. Products and services designed for a long life use and optimal value recovery after product life ends.

Members of the TWG (Partners)

- **AWS** - Austria Wirtschaftsservice Gesellschaft, Austria (Co.)
- **ITG** - Innovations- und Technologietransfer Salzburg, Austria
- **IJS** - Institut Jozef Stefan, Slovenia (Bojana)
- **CONFBG** - Confindustria Bergamo, Italy
- **AUREA** - Avergne-Rhone-Alpes Enterprises, France (LISA)
- **RISINGSUD** - Regional Development Agency for region Sud Provence-Alpes-Cote d'Azur, France

Transnational working group for optimal use models

The focus of TWG optimal use is to provide and identify services and products that support optimal use conditions in order to extend product life as long as possible. Approaches like repair and refurbishment of products are being followed.

Members of TWG (Partners)

- **BWCON** GmbH, Germany
- **TPLJ** - Technological Park Ljubljana, Slovenia
- **TOWL** - Fondazione Torino Wireless, Italy
- **VI** - Veneto Innovazione, Italy (Ivan)
- **Grand E-nov**, France

Transnational working group for value recovery models

The focus of this TWG is the recovery of value after product life has ended. Recycling or remanufacturing approaches of goods and materials are supporting to create open and closed loops.

Members of the TWG (Partners)

- **UCB** - Trägerverein Umwelttechnologie-Cluster Bayern, Germany (Co.)
- **TUAS** - Technische Hochschule Rosenheim, Germany (Johannes)
- **BIZ-UP** - Business Upper Austria
- **CCIAA DL** - Chamber of Commerce of Venice, Italy

D.T1.2.1 – Transnational Working Group for Circular Design Models

Summary of TWG meetings for Circular Design Models

Online Meeting April 1st 2020

The first meeting was held on April 1st, 2020 in two sessions in order to set up the transnational working group (TWG). The goal for this meeting was to introduce each other and exchange experiences. In the first session, the project and the role of the TWG was presented. In the second session, a discussion between project partners and a few experts about possible industry sectors and SMEs relevant for the project and the transnational working group rounded up the first meeting. As mentioned, some project partners already invited their experts whereas others were still searching for theirs.

Online Meeting June 3rd 2020

The second TWG meeting was held on June 3rd, 2020 as its own stand-alone meeting. The goal of this meeting was to start a discussion on possible industry sectors the group would like to work on and discuss the roadmap for D.T1.3.1. All the members of the TWG, project partners, experts and observers, received preparation documents as a ground basis for a group discussion. Each project partner presented their top three choices for industry sectors and provided a justification as to why they found it to be the most interesting one. There were lively discussions about interesting industry sectors that could be relevant for the entire project and the group and a list of possible sectors was created.

The top choices were the following:

1. Plastics
2. Packaging
3. Batteries and vehicles
4. Electronics and ICT
5. Textiles
6. Construction and building
7. Food, water and nutrients
8. Wood industry
9. Machine engineering
10. Manufacturing
11. Other

Afterwards, a voting took place with the following results:



Electronics and ICT as well as batteries and vehicles received zero votes. Machine engineering as well as manufacturing received only one vote each. Food, water and nutrients received two votes, whereas textiles and packaging received 4 votes each. The top two choices, therefore, were wood industry and plastics. When discussing these results, it became clear that there was potential for possibly combining a few sectors as they offered the thematic opportunity. These two clusters were plastics, packaging, and food and the second one construction and buildings as well as wood industry. These combined the interest of most partners and experts and was a valuable outcome of the second TWG meeting.

Online Meeting June 16th 2020

The TWG met for a third time on June 16th, 2020 in order to continue and finalize the discussion concerning the industrial sectors, designing the state of the art, looking at the specific approach, existing opinion leaders, potential mentors, SMEs, large enterprises etc. as well as hold a first discussion on the training needs of the target users addressed by the training activities.

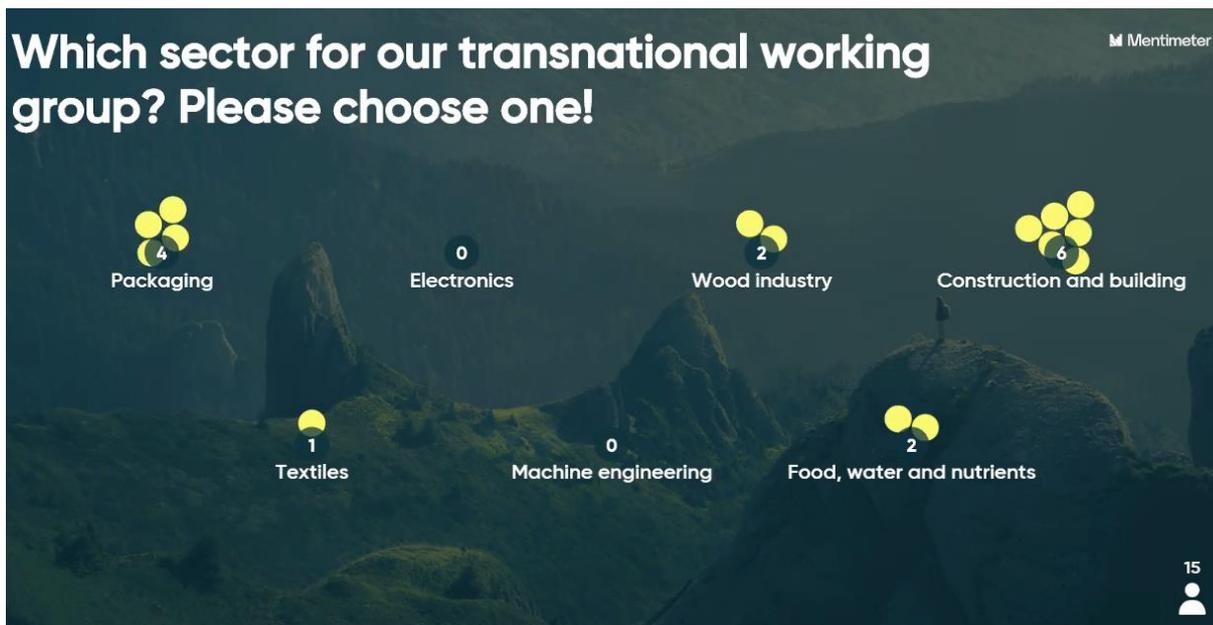
The discussion on industrial sectors started out with the topic of the overall sector (the “umbrella sector”) for the project, that is plastic. A project partner and an expert voiced concern over the topic, thinking that it would not have enough potential to be a sector relevant for every project partner and digitalization. Whereas some seemed very satisfied with the topic, others were not. It was decided to discuss it in greater detail in the SC/TC committee and learn about the discussions concerning this topic from the other two TWGs.

After discussing the umbrella sector, the group brainstormed on the sectors concerning the TWG group. Every partner with their respective experts was able to mention a relevant industrial sector for the group and explain, why they thought it was a good choice.

The top choices were the following:

1. Packaging
2. Construction and Building
3. Furniture
4. Textiles
5. Machine Engineering
6. Electronics
7. Food, water and nutrients

The discussion was followed by a vote with the following results:



There were zero votes for electronics and machine engineering, one for textiles, two each for wood industry and food, water and nutrients. Therefore, the top two were packing (four votes) and construction and building (six votes). After a lively discussion on which sector to choose, the group landed on the industrial sector construction and building as it was seen to be the sector with the most potential. Every partner was able to weigh in concerns and ideas on how to work with SMEs in this sector and the group concluded, that each project area has something to contribute.

With respect to SMEs that can be supported in the Alpine Space area in the industrial sector construction and building, there was common ground in the notion that there are many SMEs available that can be supported. The group also concluded that, when it comes to SMEs, the training would very much depend on the knowledge of the SMEs as it makes a very big difference if the SMEs is already dealing with Circular Economy on some level or whether it is an SME that is only just starting out to transition to more Circular Economy friendly processes.

APPENDIX

List of experts present TWG meetings

Name	Institution	Expert in	Gain for TWG
Davor Kontic Branko Kontic Miha Glavan Rene Zagorc Kontic	Institut Josef Stefan	Circular Economy (new materials, environmental technologies)	All four experts work within IJS (the project partner) and are therefore very well informed about the project and various aspects of Circular Economy/Design – especially in environmental technologies and using new materials.
Nathalie Jardinier	Rising Sud	Circular Design	Engineer with 15 years of exposure to industrial risks, specialized in Safety, Health and Environment (“SHE”) regulations, with relevant experience in design and launching service products.
Silvia Mozzi	EEN – Enterprise Europe Network	Circular Economy	Ms. Mozzi is a project manager with many years of experience in Circular Economy and project management.
Giacomo Copani	CNR - STIIMA	Coordination of research and innovation activities on industrial business models and technology roadmapping at European, National and Regional level.	Mr. Copani has had a long experience in project management and research and innovation activities.
Sonja Eser	Fachhochschule Salzburg	Circular Design	Ms. Eser teaches at the University and brings valuable input in her topic of expertise, Circular Design.

Rainer Pamminger	Technical University of Vienna	Circular Economy	Mr. Pamminger has experience in EU projects and is an active member of projects that deal with circular economy
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