# CIRCULAR4.0 – Digital Technologies as enablers to foster the transition to the circular economy by the SME in the Alpine  Space area

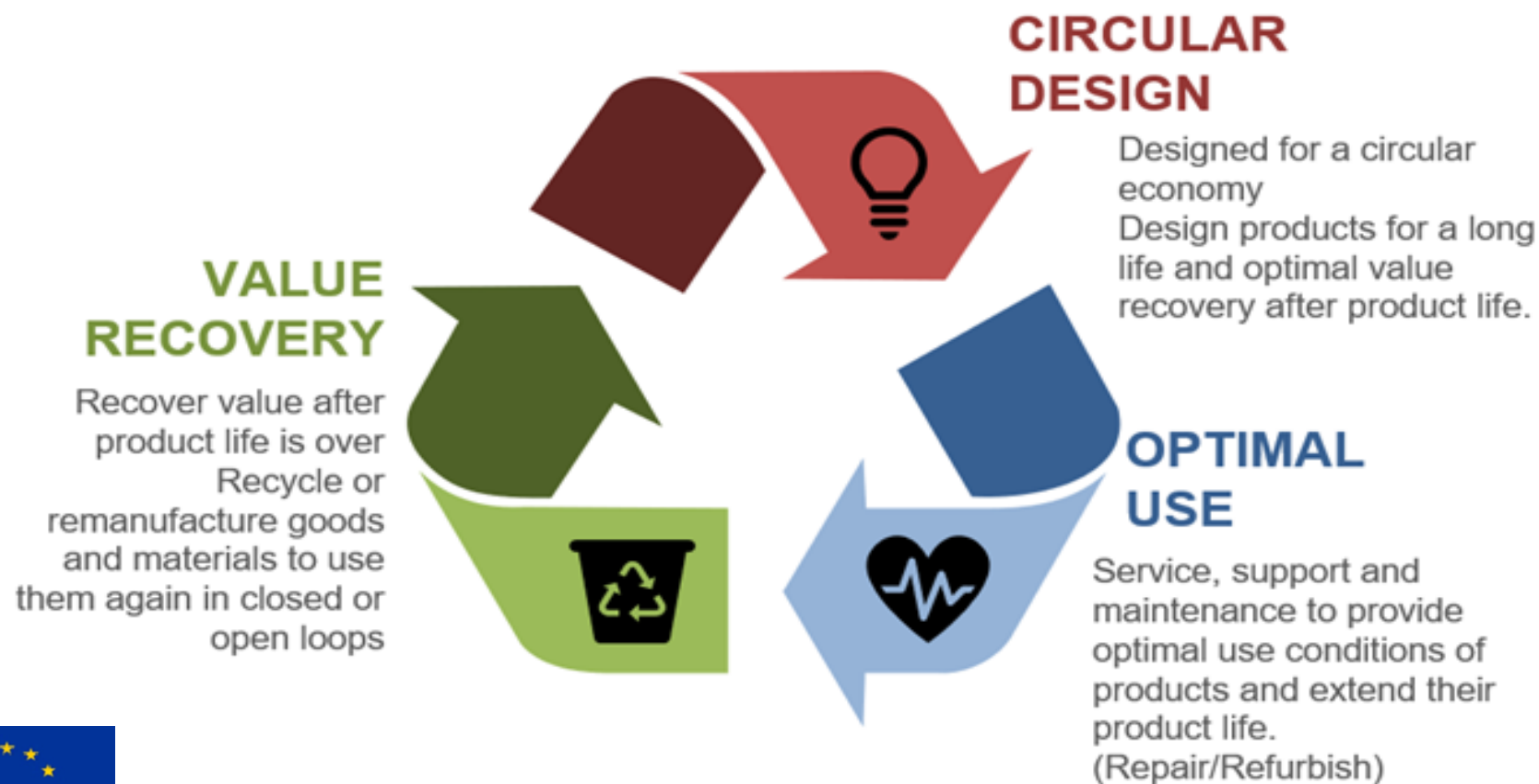Technology Park Ljubljana (TPLJ)

# The project pillar - 1

The digitalisation helps SMEs to implement CIRCULAR ECONOMY oriented processes.

# The project pillar - 2



**CIRCULAR DESIGN**

Designed for a circular economy
Design products for a long life and optimal value recovery after product life.

**VALUE RECOVERY**

Recover value after product life is over
Recycle or remanufacture goods and materials to use them again in closed or open loops

**OPTIMAL USE**

Service, support and maintenance to provide optimal use conditions of products and extend their product life.
(Repair/Refurbish)

# Expected outcomes

**80** PERSONS TRAINED

**280** SMEs

**Interreg Alpine Space Circular4.0 - Operators Training Course**

OTC Part 1 (OTC1) — INFO
OTC Part 2 (OTC2) — INFO
Circular 4.0 Study tour materials — INFO
Introduction to the Operators Training Course — INFO
Step 1: Identification of trainers — INFO
Step 2: Challenges and opportunities of the circular transformation — INFO
Step 3: Using the Circularity Assessment Score (CAS) — INFO
Step 4: Digital maturity assessment — INFO
Step 5: Selecting a circular transformation focus area and a pilot project — INFO
Step 6: Acquaintance with the Circularity Acceleration Training Course 4.0 (CAT4.0) — INFO
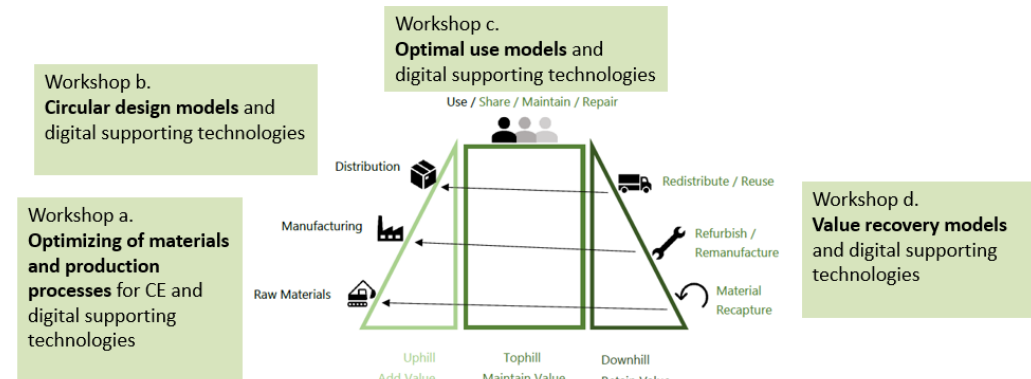Step 7: Circular 4.0 training platform and tools — INFO
Step 8: Questionnaire and certificate — INFO

**Workshop c.**
**Optimal use models** and digital supporting technologies

**Workshop b.**
**Circular design models** and digital supporting technologies

**Workshop a.**
**Optimizing of materials and production processes** for CE and digital supporting technologies

**Workshop d.**
**Value recovery models** and digital supporting technologies

Use / Share / Maintain / Repair
Distribution
Redistribute / Reuse
Manufacturing
Refurbish / Remanufacture
Raw Materials
Material Recapture

Uphill — Add Value
Tophill — Maintain Value
Downhill — Retain Value

**Circularity Acceleration Training 4.0 (CAT4.0)**

Module 0: Introduction into the circular economy — INFO
Module 1.1: Understanding the process of business model transformation – CAS 0 and DMA 0 — INFO
Module 1.2: Understanding the process of business model transformation – CAS 0 and DMA 0 — INFO
Module 2: Increasing circularity: UVP reassessment - Business model redesign to increase circularity — INFO
Module 3: Enabling the potential for circular transformation: Choosing the path of transformation — INFO
Module 4: Governance, organisation, competencies, reporting and KPIs — INFO
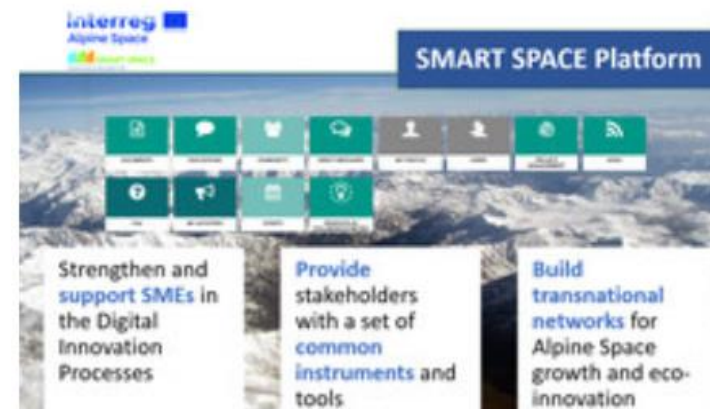Module 5: Financing the circular transformation — INFO
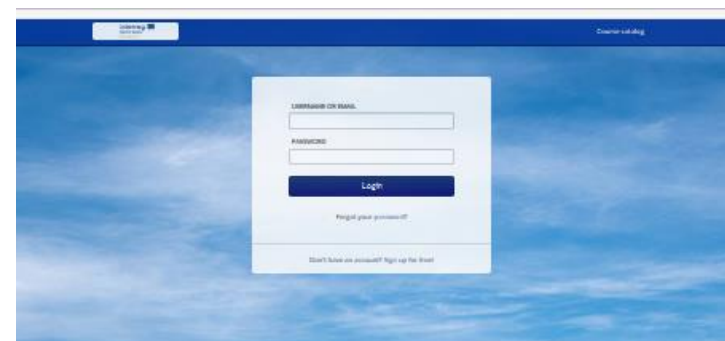Module 6: Integrating the pilot circular leadership issues — INFO
Module 7: Final transformation plan (project) presentation, questionnaire and certificate — INFO

Interreg Alpine Space
Circular4.0

# ...for the follow up



CIRCULAR4.0
COMMUNITY OF
PRACTICE

SMART SPACE Platform

Strengthen and support SMEs in the Digital Innovation Processes

Provide stakeholders with a set of common instruments and tools

Build transnational networks for Alpine Space growth and eco-innovation

www.smartspacehub.eu

https://circular40.talentlms.com/index