

**Project Acronym: Cradle-Alp****Project number: ASP0100003**

D.1.1.3

Capitalisation workshops for policies, technologies and business models

WP n°:	1
Task n°:	A1.1
Author(s):	PP02 TZ Horb – Luc Schmerber
Contributors:	All partners
Dissemination level:	PU
Revision:	FINAL
Due Date:	30.04.2023
Date of submission:	30.04.2023

Executive Summary

This deliverable documents the capitalisation exercised performed by the Cradle-Alp partners with the support of the transnational expert support group.

Following the collection by the partners of good practices and lessons learned with respect to promoting Cradle to cradle, circular design and circular substitutions for linear products in industrial manufacturing processes, the capitalisation workshops aimed at identifying the most relevant knowledge for an uptake - after adaptation to the project context as necessary – in Cradle-Alp and its planned activities. The collection of good practices was organised around the 3 dimensions policies and business support, technologies, business models.

As a result of the capitalisation workshops, the partners agreed upon the approach to the development of industrial transformation roadmaps and their testing in the framework of Cradle-Alp, as well as the related needs for knowledge to capitalize upon. In agreement with the transnational expert support group, prioritized needs for capitalization and corresponding sources of knowledge were agreed upon.

Cradle-ALP – Capitalisation workshops

Contents

1.	Introduction - Capitalisation workshops in Cradle-ALP	3
2.	Capitalisation workshops – 1 st session	4
2.1.	Identification of capitalisation needs.....	4
2.2.	Policies and business support	6
2.3.	Technologies	6
2.4.	Business models	7
2.5.	Conclusions of the capitalisation workshops - 1st session	8
3.	Capitalisation workshops – 2 nd session.....	9
4.	Conclusions – next steps	11
5.	Annexes	12

1. Introduction - Capitalisation workshops in Cradle-ALP

Cradle-ALP aims for mainstreaming cradle to cradle (C2C) approaches, circular design and circular substitutions (from the alpine region) for linear products in industrial processes, in different industrial sectors. The Alpine Space has many natural resources and the technologies to substitute fossil raw materials and toxic substances from production with circular and environmentally friendly alternatives. This should lead to the fact that materials and products can be led back into a healthy cycle after use. The focus of this project shall be on the substitution of chemical and fossil based/unsustainable materials with more circular, sustainable and bio-degradable ones.

First, the partners will build a broad awareness and understanding in the public, the relevant industries as well as among stakeholders from policy and innovation intermediaries, for the opportunities, barriers and mechanisms of the transformation of industrial products towards higher circularity by means of C2C approaches, circular design and circular substitutions. Business support providers shall be trained to accompany the transformation of businesses along more circular value chains.

In a second step, the partners will explore in details and test opportunities for implementing C2C approaches, circular design and circular substitutions along specific value chains in the chemistry/plastics and wood/forestry sectors supported by digital technologies. Building on a thorough multidimensional (technology, policy, economy, etc.) roadmapping exercise, transnational groupings of stakeholders – including businesses – will be installed, with the aim to transfer the C2C roadmaps into industrial practice along exemplary value chains.

Finally, the partners will work towards ensuring a transnational policy convergence towards transnational S4 strategies in the priority sectors of the project and initiate common cross border funding instruments for the industrial C2C transformation.

Objective of the capitalisation exercise in Cradle-ALP

Following the collection by the partners of good practices and lessons learned with respect to promoting Cradle to cradle, circular design and circular substitutions for linear products in industrial manufacturing processes, the capitalisation workshops aim at identifying the most relevant knowledge for an uptake - after adaptation to the project context as necessary – in Cradle-Alp and its planned activities. The collection of good practices as well as the capitalisation exercise was organised around the 3 dimensions policies and business support, technologies, business models.

Implementation of the capitalisation workshops

In order to take into account the limited availability of the members of the transnational expert support group and the benefits of onsite meetings, the partnership decided to organise the capitalisation workshops in the dimensions policies and business support, technologies, business models according to the following format and steps:

1. Preparation of the workshops ahead of the event by the partners.
2. 1 onsite capitalisation workshop addressing policies and business support, technologies and business models at the occasion of the partner meeting in Padova on 21 March 2023.
3. Processing of the results of the onsite workshops.
4. 1 online capitalization workshop with the transnational expert support group on 21

April 2023.

5. Conclusions of the capitalisation exercise.

The implementation of this process is described in the present deliverable.

2. Capitalisation workshops – 1st session

The first session of the capitalisation workshops took place on 21 April 2023 in Padova, in the framework of the first onsite meeting of the partnership.

Prior to the meeting, several preparation steps have been performed so as to make the best use of the time available onsite for discussion:

- Coordination meeting on 17 February 2020

Presentation of the status of good practices collected and their availability in an online repository.

Presentation of a mind map available online to all partners with a classification of good practices according to sub-categories in each of the 3 dimensions policies and business support, technologies, business models.



Instructions for the completion of the mindmap and collection of good practices.

Recommendations for the preparation of the capitalisation workshops on 21 March 2023.

- From 17 February to 20 March 2023

Collection of good practices identified by the partners and ongoing update of the online mind map.

2.1. Identification of capitalisation needs

A significant time was dedicated to:

1. Reach a common understanding among the partners on the content of the industrial transformation roadmaps to be developed within the project and their testing in pilots.
2. Infer the related capitalization needs.

Approach to industrial transformation roadmaps and their testing in practice

As a result of the discussion, the partners jointly agreed that the approach to the development

Cradle-ALP – Capitalisation workshops

of industrial transformation roadmaps and their testing should build on a close collaboration with the companies to be involved and result in tangible results.

Each sectoral industrial transformation roadmap should therefore encompass:

- A generic content relevant to the industrial sector,
- Specific content related to the businesses involved in the pilot and helping them to operationalise the roadmaps.

The following potential outputs for the design of the roadmap in industrial practice were identified:

- **Matchmaking** with other businesses to increase the circularity of a given value chain.
- **Innovative transformation project** – potential basis for application in WP3 (transnational funding, regional funding...).
- **Preparation for certification** (,feasibility‘ – roadmap to certification).

Capitalisation needs

In relation to the approach for the roadmaps and the pilots, the partners discussed the capitalisation needs, which are summarized in the following table:

#	Activity	Capitalisation need
A2.1	Develop sectoral Cradle2Cradle industrial transformation roadmaps in five selected sectors	<ul style="list-style-type: none"> ▪ Methodology for the development of industrial transformation roadmap focusing on businesses. ▪ Background knowledge for the roadmaps: <ul style="list-style-type: none"> ○ Existing European and national legislative and normative framework conditions in the five selected sectors ○ Existing European and national strategic and technology roadmaps in the five selected sectors ▪ Support tools to be used in testing the industrial transformation roadmaps with SMEs: <ul style="list-style-type: none"> ○ Information of certificates and labels (incl. C2C certificate) ○ Tools helping businesses to close material loops and develop new circular products (matchmaking, marketplaces, innovation platforms...)
A3.3	Supporting the implementation of C2C solutions by Industry with transnational fund synchronization	<ul style="list-style-type: none"> ▪ Examples and models for cross-border funding instruments for innovative/transformational projects in SMEs

Cradle-ALP – Capitalisation workshops

The good practices collected by the partners ahead of the meeting were examined with a particular attention to the above needs. The results of the analysis are shown hereafter.

2.2. Policies and business support

The partners discussed the good practices identified (about 20 documented and about 50 listed in the mind map) in this dimension of the analysis, grouped in the following categories:

- Model regions
- Handbooks, guidelines, factsheets
- Agencies and stakeholder platforms
- Awareness campaigns
- Public funding schemes

The results of the discussion are summarized in the following table:

Policies and business support	Relevance for capitalisation
Model regions	<ul style="list-style-type: none">▪ Interesting approach for the long-term strategic perspective of turning the Alpine Space into a model region for e.g. bio-based circular business models.▪ Not suitable for an immediate uptake in the framework of the project.
Handbooks, guidelines, factsheets	<ul style="list-style-type: none">▪ Relevant in the context of a Cradle-Alp handbook for developing industrial transformation roadmaps for businesses.
Agencies and stakeholder platforms	<ul style="list-style-type: none">▪ Relevant for the organization of online study visits outside of the Alpine Space to learn from them about how to promote C2C and circular transformative activities in businesses.▪ Not applicable directly in the framework of the project.
Awareness campaigns	<ul style="list-style-type: none">▪ Potentially relevant to generate synergies with other actors in terms of dissemination of the project results.
Public funding schemes	<ul style="list-style-type: none">▪ Only relevant in the context of cross-border funding instruments as defined in the Cradle-Alp project

2.3. Technologies

The partners discussed the good practices identified (14 documented and about 25 listed in the mind map) in this dimension of the analysis, grouped in the following categories:

- European and national strategic documents
- Ready to apply technologies
- Tools and guides

The results of the discussion are summarized in the following table:

Cradle-ALP – Capitalisation workshops

Technologies	Relevance for capitalisation
European and national strategic documents	<ul style="list-style-type: none"> ▪ Needed for the five selected sectors, both in terms of technologies (technology roadmaps) and legislative frameworks. ▪ These documents provide the basis for the industrial transformation roadmaps in the project.
Ready to apply technologies	<ul style="list-style-type: none"> ▪ Relevant in the framework of the development of industrial transformation roadmaps: generic technologies. ▪ Potentially relevant in the context of specific transformative activities generated in the pilot: specific technologies addressing concrete needs expressed by businesses.
Tools and guides	<ul style="list-style-type: none"> ▪ Potentially relevant in the in the context of a Cradle-Alp handbook for developing industrial transformation roadmaps for businesses.

2.4. Business models

The partners discussed the good practices identified (13 documented and about 25 listed in the mind map) in this dimension of the analysis, grouped in the following categories:

- Labels, certificates
- Supply chain traceability tools
- Circular economy marketplaces
- Resources databases & innovation platform
- Role model companies
- Industrial partnerships for specific material loops

The results of the discussion are summarized in the following table:

Business models	Relevance for capitalisation
Labels, certificates	<ul style="list-style-type: none"> ▪ Highly relevant for providing companies with a clear message on the obstacles and benefits of a C2C or similar certification.
Supply chain traceability tools	<ul style="list-style-type: none"> ▪ Potentially relevant in the framework of the pilot activities.
Circular economy marketplaces	<ul style="list-style-type: none"> ▪ Potentially relevant in the framework of the transnational pilots to support activities initiated by the companies supported. ▪ Not relevant for the creation of a new marketplace.
Resources databases & innovation	<ul style="list-style-type: none"> ▪ Potentially relevant in the framework of the transnational pilots to support activities initiated by the companies supported.

Cradle-ALP – Capitalisation workshops

platform	
Role model companies	<ul style="list-style-type: none"> ▪ Relevant in the context of local awareness events, building on companies willing to promote C2C and circularity. ▪ Potentially relevant for developing value chains in the framework of the pilots.
Industrial partnerships for specific material loops	<ul style="list-style-type: none"> ▪ Similar to marketplaces. Potentially interesting as a blueprint for new partnerships emerging as a result of the sectoral pilots.

2.5. Conclusions of the capitalisation workshops - 1st session

As a result the initial discussion of the needs for capitalization and the analysis of the good practices collected, the following capitalisation matrix was defined. It shows the capitalisation requirements prioritized by the partners, and the respective sources of capitalisation identified during the 1st session of the capitalisation workshops in the three dimensions policies and business support, technologies, business models.

Capitalisation matrix	Requirement	Source for capitalization identified
Policies and business support	Cross-border funding instruments	Innovation Express 2021
	Handbook for transformation roadmaps for businesses	Handbook from Austrian partner biz up Further examples of business transformation roadmaps collected as good practices
	Model regions	Examples collected as good practices
	Legal framework for the five priority sectors of the project	To be collected systematically by the partners involved in the respective pilots
Technologies	European and national strategic documents (technology roadmaps, strategic roadmaps, legal frameworks, etc.) for the five priority sectors of the project	To be collected systematically by the partners involved in the respective pilots
Business models	Labels and certificates (incl. C2C certificate)	Examples collected as good practices
	Marketplaces and resource databases, innovation platforms	Value chain generator (from AlpLinkBioEco project)

3. Capitalisation workshops – 2nd session

The second session of the capitalisation workshops took place online on Friday 21 April 2023 together with members of the transnational expert support group. The objective of the meeting was to validate the approach to capitalization defined in the 1st session and integrate the feedback of the experts.

The experts did validate the approach suggested by the partners and the following capitalization table was agreed upon with respect to the sectoral industrial transformation roadmaps and their testing in pilots, which are the core of the experts' expected contribution:

Cradle-ALP Capitalisation		Capitalisation Requirement	Sources for capitalisation	Experts
Roadmaps	Generic aspects	Technology roadmaps, strategic roadmaps, legal frameworks, etc. for the five priority sectors of the project	Existing European and national strategic documents to be collected systematically by the partners involved in the respective pilots As relevant: new information not yet included in existing in existing documents	All, according to their specific expertise
	Specific aspects	Identify transformation opportunities (technologies, markets, business models...) relevant to the SMEs involved	Technical and business expertise from experts: <ul style="list-style-type: none"> - Materials and engineering technologies - Circular business models - Digital transformation - Etc. 	All, according to their specific expertise
Pilots	Generic activities	Information / training Project development	Technical and business expertise from experts	All, according to their specific expertise
	Matchmaking	Marketplaces and resource databases	Value chain generator (from AlpLinkBioEco project)	<i>Andreas Fischer</i> <i>Jon Goriup</i>

Cradle-ALP – Capitalisation workshops

	Innovation projects	Technology/knowledge providers	Existing innovation platforms (e.g. Axel'One) Experts supporting project development	All, according to their specific expertise
	Certification ,feasibility'	Information on with labels and certifications processes (focus C2C)	Existing materials Expertise from the expert support group	<i>Tim Janßen</i> Further experts, as relevant

4. Conclusions – next steps

The overall conclusions of the capitalization exercise are:

- As far as the collection of existing good practices is concerned, the material already available is deemed sufficient to answer the capitalization needs in a generic manner. Further input, more specific to the Cradle-Alp project, shall come from the further capitalization activities agreed upon jointly with the transnational expert support group.
- The Cradle-Alp partnership shall move towards implementation of the prioritized capitalisation activities:
 - Collection of existing European and national strategic documents relevant to the five industrial sectors addressed in Cradle-ALP.
 - Exploration of the opportunity to use the Value Chain Generator in the context of the pilot activities.
 - Further specification of the roadmapping exercise.

5. Annexes

Participant list to the workshop in Padova - 21.03.2023

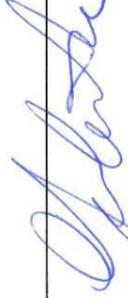
Participant list to the online workshop - 21.04.2023

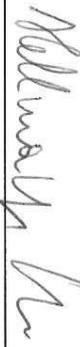
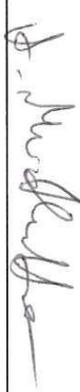
Presentation for the online workshop - 21.04.2023

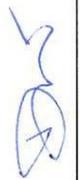
"CRADLE-ALP" – Cradle to cradle, circular design and circular substitutions for linear products in industrial manufacturing processes in the Alpine Space

Cradle-ALP Project Meeting
Padova (Italy), 21/03/2023

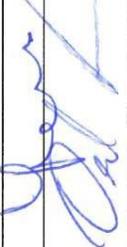
- List of participants -

	Name	Surname	Email	PP number	Name of project partner	Work Package Manager Committee Meeting	Capitalisation workshops for policies, technologies, and business models	Signature
1	Andrea	Galeota	andrea.galeota@pd.camcom.it	LP	Padova Chamber of Commerce Industry Crafts and Agriculture	X	X	
2	Sabrina	Giraldin	sabrina.giraldin@pd.camcom.it	LP	Padova Chamber of Commerce Industry Crafts and Agriculture	X	X	
3	Roberto	Sandirini	sandirini@sandiniroberto.it	LP	Padova Chamber of Commerce Industry Crafts and Agriculture	X	X	
4	Elena	Tognon	elena.tognon@pd.camcom.it	LP	Padova Chamber of Commerce Industry Crafts and Agriculture	X	X	

Name	Surname	Email	PP number	Name of project partner	Work Package Manager Committee Meeting	Capitalisation workshops for policies, technologies, and business models	Signature	
5	Marita	Zaggia	marita.zaggia@pd.camcom.it	LP	Padova Chamber of Commerce Industry Crafts and Agriculture	X	X	
6	Giacinto	Pappalardo	giacinto.pappalardo@pd.camcom.it	LP	Padova Chamber of Commerce Industry Crafts and Agriculture	✓	✓	
7	Giada	Fradellin	giada.fradellin@pd.camcom.it	LP	Padova Chamber of Commerce Industry Crafts and Agriculture	X	X	
8	Axel	Blochwitz	blochwitz@tz-horb.de	2	Technologieszentrum Horb GmbH & Co. KG			
9	Janet	Rosenberger	rosenberger@innonet-kunststoff.de	2	Technologieszentrum Horb GmbH & Co. KG	X	X	
10	Luc	Schmerber	luc@lucschmerber.com	2	Technologieszentrum Horb GmbH & Co. KG	X	X	
11	Tobias	Schwarzmuellene	schwarzmueller@chemiecluster-bayern.de	3	Chemistry-Cluster Bavaria	X	X	
12	Raphaela	Hellmayr	raphaela.hellmayr@boku.ac.at	4	University of Natural Resources and Life Sciences, Vienna	X	X	
13	Ashna	Mudaffer	ashna.mudaffer@biz-up.at	5	Business Upper Austria – Upper Austrian business	X	X	
14	Katharina	Perfahl	katharina.perfahl@biz-up.at	5	Business Upper Austria – Upper Austrian business	X	X	
15	Christian	Teufel	christian.teufel@biz-up.at	5	Business Upper Austria – Upper Austrian business	X	X	
16	Stefano	Giulitti	stefano.giulitti@unismart.it	6	UnISMART – Foundation of the University of Padua	X	X	

Name	Surname	Email	PP number	Name of project partner	Work Package Manager Committee Meeting	Capitalisation workshops for policies, technologies, and business models	Signature
17	Valentina Scandola	valentina.scandola@unismart.it	6	UniSMART – Foundation of the University of Padua	✓	✓	Valentina Scandola
18	Alenka Dovč	alenka.dovc@gzs.si	7	Chamber of Commerce and Industry of Slovenia	✓	✓	
19	Urška Spitzer	urska.spitzer@gzs.si	7	Chamber of Commerce and Industry of Slovenia	✓	✓	Spitzer
20	Roxane Girard	roxane.girard@polymeris	8	Polymeris	✓	✓	
21	Michael Keller	michael.keller@hefr.ch	9	School of Engineering and Architecture of Fribourg	✓	✓	

Observers

Name	Surname	Email	Name of the observer	Work Package Manager Committee Meeting	Capitalisation workshops for policies, technologies, and business models	Signature
1	Rino Dal Pos	r.dalpos@confindustriavenest.it	Confindustria	✓	✓	
2	Antonella Venza	antonella.venza@luceinveneto.com	Rete di Imprese Luce in Veneto	✓	✓	
3	Alberto Sozza	alberto.sozza@luceinveneto.com	Rete di Imprese Luce in Veneto			
4	Ivan Boesso	ivan.boesso@venetoinnovazione.it	Veneto Innovazione S.p.A.		✓	
5	DAVIDE FRANKLIN	davide.franchini@regione.veneto.it	Regione del Veneto		✓	

Cradle-ALP – 2nd capitalisation workshop – 21.04.2023 – online

Participants from the transnational expert group:

	ACRONYM	Expert for transnational expert support group	Organisation	Meeting 21.04.2023
LP	CCIAA PD	Emiliano Fabris	Galileo Visionary District	excused
PP2	TZ Horb	Prof. Dr. Bernhard Kölmel	Pforzheim University	present
PP3	CCB	Peter Désilets	Pacoon Sustainable Concepts GmbH	excused
PP4	BOKU	Tim Janßen	C2C NGO	excused
PP5	Biz-up	Oliver Brüggemann	JOHANNES KEPLER UNIVERSITY LINZ	present
		Karin Huber-Heim	Circular Economy Forum Austria	present
PP6	UniSMART	Maria Cristina Lavagnolo	University of Padua	excused
PP7	CCIS	Mija Sežun	Pulp and Paper Institute, Ljubljana	present
PP8	POL	Myriam Protiere (Technologies/knowledge)	Axel'One	Represented by Estelle Dalod
PP9	HEIA-FR	Andreas Fischer	School of Management, Fribourg / Plastics Innovation Copetence Center / Institute of Complex Systems	Represented by Jon Goriup

Partner organisations represented in the meeting:

	ACRONYM	Expert for transnational expert support group
LP	CCIAA PD	Roberto Sandrini
PP2	TZ Horb	Luc Schmerber
PP3	CCB	Tobias Schwarzmüller
PP4	BOKU	Raphaelle Hellmayr
PP5	Biz-up	Ashna Mudaffer Christian Teufel Gamze Ilbeyi Lisa Bayer
PP6	UniSMART	Elisa Bacco Valentina Scandola
PP7	CCIS	Alneka Dovc Urska Spritzer Grit Ackermann
PP8	POL	Roxane Girard
PP9	HEIA-FR	Michael Keller

- | | | |
|---|--|---|
| LS | Luc Schmerber (Host, ich) |   |
| AD | Alenka Dovc |   |
| AM | Ashna Mudaffer (Biz-Up) |   |
|  | Bernhard Kölmel |   |
| CT | Christian Teufel |   |
| E | edalod |   |
| EB | Elisa Bacco |   |
| GI | Gamze Ilbeyi |   |
| JG | Jon G.D. |   |
|  | Karin Huber-Heim |   |
| LG | Lisa Gabriela Bayer |   |
| MK | Michael, Keller (HES-SO//FR HE... |   |
|  | Mija Sezun and CCIS |   |
|  | Mija Bitten Ton einzuschalten  | |
| OB | Oliver Brüggemann |   |
| RH | Raphaela Hellmayr |   |
| RS | Roberto Sandrini |   |
| RG | Roxane Girard |   |
| T | TobiasSchwarz Müller |   |
| V | valentina.scandola@unipd.it |   |



WP1 – D1.1.3 Capitalisation workshop

Approach to roadmaps and pilots

21.04.2023

online



D1.1.3 Capitalisation workshops

Objectives of the workshop

- (1) Validate the project's approach to industrial transformation roadmaps and pilots
- (2) Inform experts about follow-up activities and needs

Project task

- Develop sectoral Cradle2Cradle **industrial transformation roadmaps** in five selected sectors
 - Chemistry/materials
 - Polymers
 - Wood/furniture
 - Packaging
 - Fibres/textiles

- **Testing the relevance** of the industrial transformation roadmaps (**pilots**)

Transformation Roadmap

• How could it look like – example

Business Upper Austria:
„Technology Roadmap: Sustainable Plastics Solutions“



Materialien, Technologien, F&E (Teil 1)				Zusammenfassung
Optimale/Effiziente Verwertungsstrategie (Mix aus mechanischem, chemischem Recycling und thermischer Verwertung)	Sozioökonomische Effizienzanalyse durchführen	Behörden, Regelwerke für Demo-, Forschungsanlagen -> Standort	Enzymatisches Recycling weiterentwickeln	* Input-/Output Analysen * Massen- und Ökobilanzen * Potenzialanalysen * Parameterdefinition * Technologieauswahl, etc.
	Recyclingstrategie für Kunststoffe einführen	Forschung erhöhen bei gemischten Inputfraktionen im Recycling	Composite-Bauteile mit thermoplastischer Matrix wiederverwerten	
	Qualitätsanforderungen nach Verwendungsweg definieren	Mass Balance Approval Approach -> Zertifizierung für synthetische Öle	Detailtechnologien versus Verwertung durch Verbrennung (CCS+CCU) vergleichen	
	Pilotanlage für zukunftsfähiges Recycling bauen	Einbringung -> Abnahme bei chem. Recycling		
	Lebenszyklusanalysen für Recyclingtechnologien erstellen			
Wasch- und Sortiertechnologie verbessern (Food-Grade etc.)	Verbesserung der Waschtechnologien			
	Waschprozess hinsichtlich Energieverbrauch und Zirkularität optimieren			
Digitalisierung (Prozesssteuerung, KI, Maschinenbau, digital Twin, etc.)	Steuerungsstrategie (für Sortierung) abgeleitet aus der Simulation und Robotik etablieren	Einsatz neuer Sensortechnologien für die Sortierung	Grundlagenforschung für das "Technical Lifecycle Scouting"	* Digitalisierung, Sensorik in allen Bereichen * Lernfähige Sortiersysteme (Siehe auch SSR ausschreiben: Sammlung, Sortierung, Recycling)
	Lernfähige Sortiersysteme einrichten und Optimierungen ableiten			
	Zusammenführung von live Sensordaten zur Prozessoptimierung (AI)			

"This project is co-funded by the European Union through the Interreg Alpine Space programme."

Industrial transformation roadmap Project approach

Objective: Validate the roadmaps in industrial practice to show transformation

- Approach building on **close collaboration with SMEs** to be accompanied
- Transformation roadmap elaborated in co-creation with the SMEs involved:
 - **(some) generic content** related to the industrial sectors
 - **specific content** related to the companies – ‚customised / **operationalised**‘ roadmap
- Potential **outputs** of the pilots for the SMEs involved:
 - **Matchmaking** with other businesses to increase the circularity of a given value chain
 - **Innovative transformation project** – potential basis for application in WP3 (transnational funding, regional funding...)
 - **Preparation for certification** (‚feasibility‘ – roadmap to certification)



Need for capitalisation / expert support

Cradle-ALP

Cradle-ALP Capitalisation		Capitalisation Requirement	Sources for capitalisation	Experts
Roadmaps	Generic aspects	Technology roadmaps, strategic roadmaps, legal frameworks, etc. for the five priority sectors of the project	Existing European and national strategic documents to be collected systematically by the partners involved in the respective pilots As relevant: new information not yet included in existing in existing documents	All, according to their specific expertise
	Specific aspects	Identify transformation opportunities (technologies, markets, business models...) relevant to the SMEs involved	Technical and business expertise from experts: <ul style="list-style-type: none"> - Materials and engineering technologies - Circular business models - Digital transformation - Etc. 	All, according to their specific expertise
Pilots	Generic activities	Information / training Project development	Technical and business expertise from experts	All, according to their specific expertise
	Matchmaking	Marketplaces and resource databases	Value chain generator (from AlpLinkBioEco project)	<i>Andreas Fischer</i> <i>Jon</i>
	Innovation projects	Technology/knowledge providers	Existing innovation platforms (e.g. Axel'One) Experts supporting project development	All, according to their specific expertise
	Certification ,feasibility'	Information on with labels and certifications processes (focus C2C)	Existing materials Expertise from the expert support group	<i>Tim JanBen</i>

"This project"

Interreg



Co-funded by
the European Union

Alpine Space

Cradle-ALP

Thank you for your attention!



Luc Schmerber



luc@lucschmerber.com

"This project is co-funded by the European Union through the Interreg Alpine Space programme."