



ECOLE:

ECO industrial park network for the Alpine Regions Leveraging smart and Circular Economy

OT3.1 Alpine set of jointly developed solutions for industry stakeholders combined with policy and strategy recommendations to boost the circular economy transition in Alpine industry

Produced by

PP09: Grenoble-Alpes Métropole (GAM)



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Short Description

This Deliverable contains the main findings and guidance statement signed by network members to ensure the collaboration continuance in designing and applying circular economy in the industrial parks.

Dissemination level		
PU	Public	
PP	Restricted to other program participants	X
RE	Restricted to a group specified by the consortium	
CO	Confidential, only for members of the consortium	

Revision history			
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PROJECT PARTNERS

- LP – Consorzio ZAI Interporto Quadrante Europa (IT): ZAI
- PP 2 – Trieste Economic Development Agency (IT): COSELAG
- PP 3 – Development agency Sora Ltd. (SI): RA sora
- PP 4 – Regional Development agency of the Ljubljana (SI): RRA-LUR
- PP 5 – Energy and Innovation centre of WEIZ (AT): WEIZ
- PP 6 – Wirtschaftsagentur Burgenland GmbH (AT): WAB
- PP 7 – Landshut University of Applied Sciences (DE): TZE
- PP 8 – Italienische Handelskammer München-Stuttgart (DE): ITALCAM
- PP 9 – Grenoble-Alpes Métropole (FR): GAM**
- PP10 – POLYMERIS (FR): POL
- PP 11 – Lombardy Foundation for the Environment (IT): FLA
- PP 12 – TUM International GmbH (DE): TUMint

ABBREVIATIONS USED

AF	Application Form
AP	Associated Partner
AS	Alpine Space
CM	Communication Manager
ECOLE	ECO industrial park network for the Alpine Regions Leveraging smart and Circular Economy
ERDF	European Regional Development Fund
EU	European Union
JS	Joint Secretary
KPI	Key Performance Indicators
LP	Lead partner
PP	Project Partner
TL	Task Leader
TPM	Transnational Project Meeting
WP	Work Package
WPL	Work Package Leader



ECOLE project Summary and objective

ECOLE will help to solve problems Industrial Parks (IPs) face to become integrated circular Eco-Industrial Parks (EIP), i.e for industries to introduce at all levels the principles of the circular economy (CE). Indeed, this challenge affects in particular industries, but also infrastructure providers, public authorities, sectoral agencies, business support organizations (BSO), which deal with and provide services to EIP (energy, waste/ sewage collection, development and support) in the Alpine region. In fact, IPs suffer from an image of polluters, but also from the increasing cost of energy/production inputs and lack of knowledge on integration of CE approach both in the value chain, and in daily activities. To change this, cooperation is central because only a systemic change will speed up the transition to a circular and resource efficient industry in the Alps. This is why working together with industries, infrastructure providers, public authorities, sectoral agencies, BSO and universities, ECOLE will provide IPs a CE integrated approach both for their value chains and their support functions. To achieve this, we will use the community approach and establish a systemic thinking community model (STCM), which will co-design action plans to implement collected tools in the pilot sites. We will start by delivering the community model for EIP after reviewing different frameworks, policies and tools. Local communities will prepare their action plans to integrate CE in their sites. We will then develop a set of solutions, promote them together with actualized action plans. Finally, we will recommend adaptation of policies and strategies to speed up the adoption of the CE principles in EIP. In three years of cooperation, we expect to transform industrial parks into more circular, resilient and sustainable EIP in the Alps, able to face climate and economic crises.



OT3.1 Alpine set of jointly developed solutions for industry stakeholders combined with policy and strategy recommendations to boost the circular economy transition in Alpine industry

Within the frame of the Work Package 1, ECOLE project partners with their local stakeholders have designed and implemented Local pilots' strategies in several industrial parks. They have been translated in 10 Local Actions Plan delivered between 2023 and 2025 (D1.4.1 "Local Action Plans" - summary -report by PP07-TZE in April 2025). For the closure of the project, they have delivered their results.

In WP3, a follow-up is requested as the Act.3.2 "Re-evaluate and actualise the action plans related to the circular economy in the Eco-Industrial Parks in Alpine region" which is not an official deliverable of the project. It participates to the Alpine set of jointly developed solutions for industry stakeholders combined with policy and strategy recommendations to boost the circular economy transition in Alpine industry (Programme Output Indicator OI2.2.2: Jointly developed solutions).

The Alpine set of jointly developed solutions delivered under Output 3.1 includes not only the consolidated package of recommendations and tools for industry stakeholders, but also an updated version of the partners' Action Plans, originally written in the first phase of the project.

Their revision ensures alignment with the results of pilot implementation and the lessons learned across all systemic thinking communities. This updated set of Action Plans completes the ECOLE toolbox supporting Eco-Industrial Parks and sectoral agencies in their transition pathways. Alongside these plans, the Systemic Thinking Community Model and the Toolkit provide a practical, hands-on framework to guide Industrial Parks in adopting.

List of updated Local Action Plans

At the end of the project, 8 (eight) updated version of the Local Action have been produced by ECOLE partners. The 2 (two) others were not updated due to the few (or no) changes in comparison with initial Action Plans.

Local Pilot	Leader	Country	Update of Local Action Plan
Marangona Industrial Area	PP1-LP	Verona / Italy	No – no substantial changes
Trieste Industrial Zone	PP2	Trieste / Italy	Yes
Industrial zones Železniki, Trata, Žiri, Todraž (Gorenja vas)	PP3	Železniki, Trata, Žiri, Todraž (Gorenja vas) / Slovenia	Yes



Zalog Economic and Business Zone	PP4	Zalog / Slovenia	Yes
CRAISS Company- Industrial Park	PP5	Weiz / Austria	Yes
S7 - Rudersdorf Business Park	PP6	Rudersdorf / Germany Kaltenbrunn / Austria	Yes
Siemens Technopark Ruhstorf	PP7	Ruhstorf an der Rott / Germany	No – no changes
Cleantech Innovation Park	PP8	Hallstadt / Germany	Yes
Hytech Vallée	PP9	Grenoble-Alpes / France	Yes
Veyziat industrial park	PP10	Oyonnax / France	Yes

D3.2.1 Memorandum of Agreement

At the end of ECOLE project, one important stake is to ensure willingness of project partners and their main local stakeholders to follow the “ECOLE pathway” in the future.

By the “Memorandum of Agreement” (D.3.2.1), signed by PPs and their TGs through a series of encounters with internal and external stakeholders, they express their commitment for the mainstream of the action plans for industrial parks & surroundings.

The role involves orchestrating the involvement of EIP management bodies, companies operating in productive areas, and engagement with various stakeholders, including public authorities and local communities.

The “Memorandum of Agreement” contains the intent by the stakeholders, to refer to project ECOLE deliverables and create an ecosystem favorable for the implementation of circular economy approaches in the Eco-Industrial Parks of the Alpine Region. They commit:

- To take up the achieved results and continue to adopt them, should they be suitable and technically applicable;
- To continue to implement, as far as possible, the Local Action plan for industrial parks after the project termination.

The “Memorandum of Agreement” had to be signed by the 10 (ten) ECOLE project partners implementing a Local Pilots (PP1 to PP10) and by their closer partners on the ground, act in with them to develop projects. 21 (twenty-one) “Memorandum of Agreements” have been signed.

List of “Memorandum of Agreement” Signatories.

Name of the Signatory organisation	Partner	Signatory (position)
Consorzio ZAI	PP1-LP	Matteo GASPARATTO (President)
COSELAG	PP2	Zeno D’AGOSTINO (President)
Razvojna Agencija-Sora (Development Agency)	PP3	Klemen SRNA
SAVENA	PP3	Bogomil KANDUS (Manager)
LEAG (Local Energy Agency of Gorenjska)	PP3	Crtomir KURNIK
RRA-LUR (Development Agency of Ljubljana Urban Region)	PP4	Lilijana MADJAR
Polje District Community of Ljubljana	PP4	Anton PODOBNIK
KOTO Company	PP4	Lea LAVRIC (Head of research)
BOLJE d.o.o.	PP4	Bogdan Dobnik,
W.E.I.Z. Innovation Center	PP5	Ghunter MAIE (Managing Director)
W.E.I.Z. / St Rupprecht an der Raab	PP5	Stephan PESSL (Project Officer)
W.E.I.Z. OnLine Digitalisierungs	PP5	Stefan HAIDINGER (Managing director)
WAB (Business Agency Burgenland	PP6	Harald HORVATH (Head of Department)
Wirtschaftsagentur Burgenland Forschungs und Innovation	PP6	Martin ZLOKLIKOVITS (CEO)
TZ Energie Ruhstorf	PP7	Reinhart SCHWAIBERGER
ITALCAM (Italian-German Chamber of Commerce)	PP8	Bortolo VENTURELLI (President)
Cleantech Innovation Park	PP8	Peter KELLER (Managing Director)
Grenoble-Alpes Métropole	PP9	Guy JULIEN, Vice-President
HyTech Vallée	PP9	Laetitia DI GRAZIA, representant
Haut-Bugey Agglomération	PP10	Jean-Marc TOUIN, Economic Developer
Municipality of Oyonnax	PP10	Michel PERRAUD, Mayor

Model of “Memorandum of Agreement” Template.

MEMORANDUM OF AGREEMENT ON ALPINE SPACE “ECOLE” LEGACY & FOLLOW-UP OF THE PROJECT

ECOLE (*ECO industrial park network for the Alpine Regions Leveraging smart and Circular Economy - ASP0100091*) project is an European Cooperation project funded by INTERREG Alpine Space Programme 2021-2027 who promotes actions designed to make Alpine territory more innovative, sustainable, and more inclusive.

ECOLE focus on the path to transform industrial parks on eco-friendly and circular industrial areas.

As a Local Pilot stakeholder of ECOLE, I (**name, position**) representing (**organisation**) have been involved in activities developed within the frame of the project. We have participate in collaborative efforts on the development and the implementation of our local action Plan. ECOLE allowed us to learn and share many ideas and knowledge and gave support to develop local initiatives.

The main findings of ECOLE are, in terms of:

- **Stakeholder Engagement**, actively involving all stakeholders (businesses, local authorities, communities) in collaborative processes is crucial for success;
- **Data Collection & Monitoring**, real-time monitoring optimizes resource and waste management;
- **Regulatory Challenges**, clear strategies are needed to overcome bureaucratic and regulatory hurdles;
- **Circular Economy Adoption**, educating stakeholders on economic and environmental benefits drives adoption;
- **Technology Integration**, overcoming initial resistance with training and investments in digital technologies;
- **Community Involvement**: Informing and engaging local communities improves public perception.

After taking note of the results and findings of ECOLE project, summarized in a 2-pager brochure attached in annex, and given their highly valuable content, the institution I represent intends to:

- Take up the achieved results and continue to adopt them, should they be suitable and technically applicable;
- Commit to continue to implement, as far as possible, the Local Action plan for industrial parks after the project termination.

We look forward to continue to be active for the collective impact we can achieve by working together towards a sustainable and circular industrial future.

At (**location**), the **DD/MM/2025**

Name Surname,

Organisation