

Bridging gender equality and sustainabilities for local communities

European Green Deal (EGD) and Local Green Deals

Sara Lodrini

Cavriago (RE), 28 novembre 2024

SERN LOCAL GREEN DEALS

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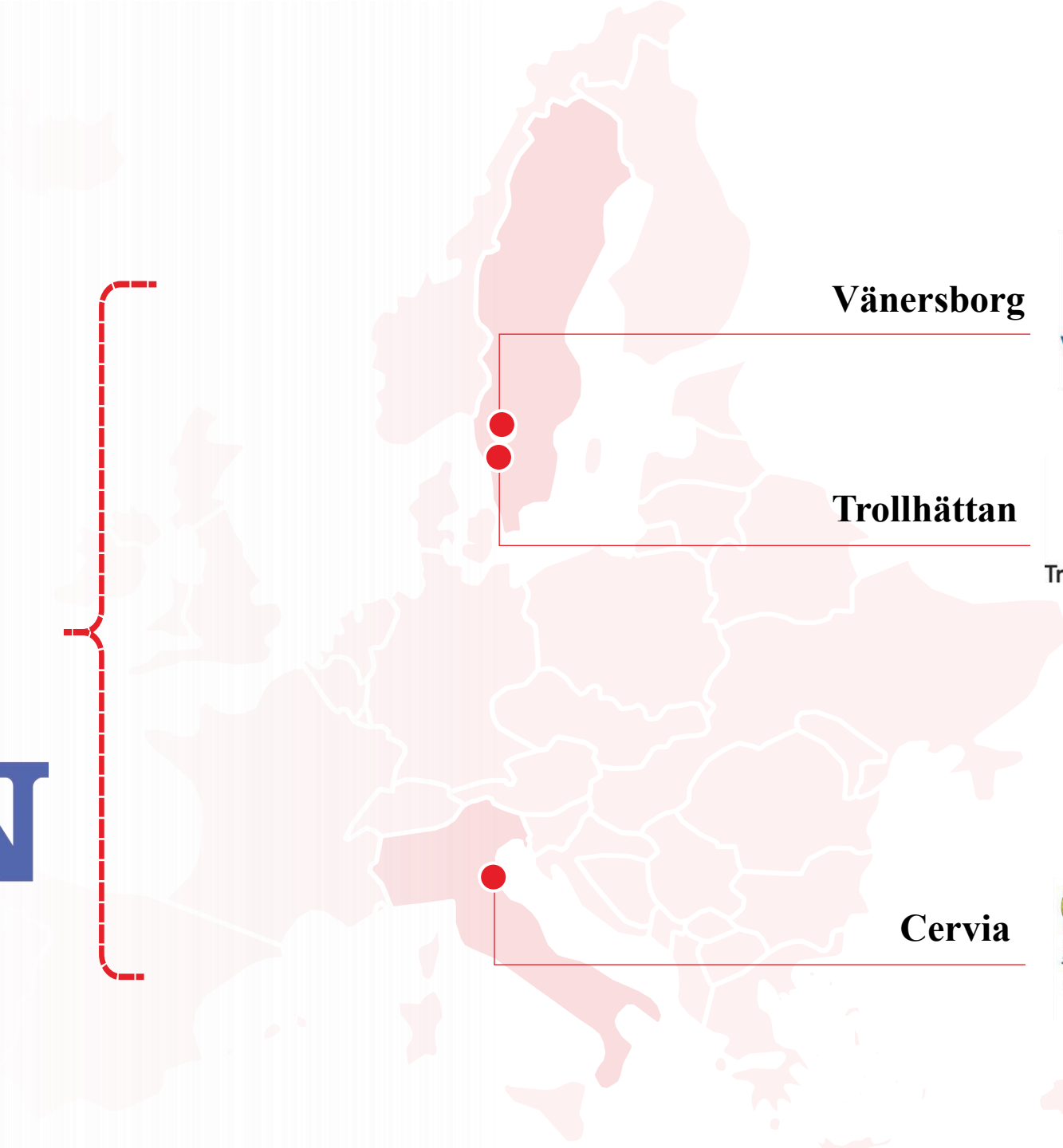
Cavriago (RE), 28 novembre 2024

SERN LDGs

The municipalities involved



SERN



ARUP

Vänersborg



Trollhättan



Cervia



SERN LDGs

Roadmap to LDGs



Common set of goals

1. Increase the production of sustainable energy

- Increased awareness of the benefits of sustainable energy production among SMEs (Transnational – Vänersborg, Trollhättan and Cervia)
- Increased awareness of the benefits of sustainable energy production among citizens and other public stakeholders at local level (Vänersborg – Cervia)
- An energy community is formalised (Cervia)
- Increase in the amount of energy produced from renewable sources (in particular solar) (Cervia)
- New forms of cooperation between SMEs are created and established with the aim of producing more sustainable energy produced locally (Vänersborg, Trollhättan and Cervia)

Common set of goals

2. Increase energy savings by improving energy efficiency among private actors and in particular companies

- Increased awareness of the benefits of energy efficiency among small and medium-sized enterprises and possible sources of funding to improve the energy efficiency of industrial sites and buildings (Transnational – Vänersborg, Trollhättan and Cervia)
- Development of investment projects to obtain funds (EU-national-regional) to increase the energy savings of public buildings and encourage/stimulate investments in the private sector (Cervia)
- Stronger collaboration established between companies in relation to the development of joint initiatives in the field of energy (Transnational – Vänersborg, Trollhättan and Cervia)

Cervia LGD - Cervia 2030

Scope and partner

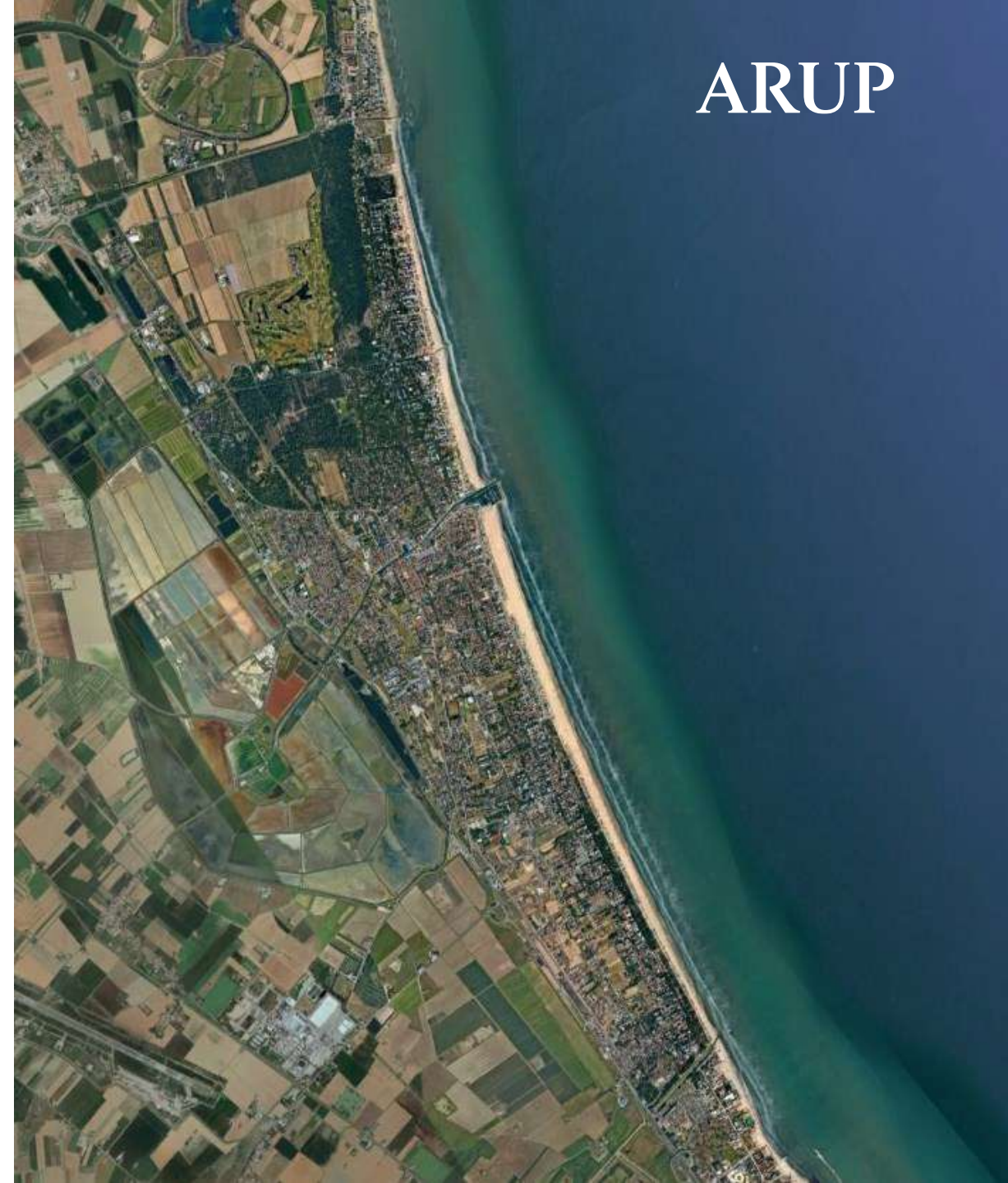
Scope

Promote the sustainable electrification of the territory through the creation of Energy Communities, the production of energy from renewable sources and electric mobility.

Partner

Terme Cervia

✓ **READY TO SIGN**



Cervia LGD - Cervia 2030

Commitments

Scope/sector	Energy
Action	Energy savings and installation of PV plants
Target	Energy savings and installation of 45kW of PV plants
Impact	Energy savings of 50% compared to current consumption and 40% of energy produced from renewable sources
Contribution by third party/stakeholders (optional)	/
Cost estimation	EUR 50.000
Funding source	Private
Timeline/Deadline	2026

Vänerns LGD

Scope and partner

Scope

The purpose of the agreement is to accelerate the green transition at local level in collaboration between the municipality and the business community and to lay the foundation for continued work and commitment in the field of sustainable energy. The agreement will create an inclusive process where local actors are given the opportunity to actively contribute to sustainable energy production and sustainable energy use.

Partner

Trestad Centre business association, Brålanda business association, Företagarna Vänerns

✓ **SIGNED**



Vänersborg LGD

Commitment

To create a collaborative arena to encourage SMEs to take action to increase local energy efficiency. The collaborative arena format:

- **Initial Energy Dialogue:** Invites local experts, municipal representatives, and SMEs to promote sustainable energy use, increase locally produced sustainable energy, and encourage long-term consumption.
- **Information and Support:** Participants receive information on energy frameworks, measures, and available advice/funding, with opportunities for networking.
- **Personalized Advice:** In the following year, climate and energy advisors provide tailored guidance to businesses.
- **Thematic Meetings:** Two meetings are held based on identified needs, offering in-depth knowledge and discussions with experts.
- **Dissemination Conference:** One year later, a conference reports on completed actions, shares inspiring examples, and encourages further engagement in sustainable energy.

Vänernsborg LGD

Commitment

Business organisation are committed:

- To **support the municipality** of Vänernsborg with the **marketing of the activities and events**
- **Encourage** their members to **participate and implement actions** within the project
- To **inspire by sharing good examples** from member companies

Vänersborg LGD

Follow up

The project's objectives and activities are monitored through the **following indicators**:

- XX% of participants report increased knowledge of the benefits of implementing sustainable energy production measures after the energy Dialogue.
- XX% of the participating companies assess that they have an increased implementation capacity regarding the establishment of local and sustainable electricity production after the Energy Dialogue
- New opportunities for co-operation in sustainability energy have been created yes/no
- XX% of participants report improved knowledge of the benefits of energy efficiency after the Energy Dialogue
- XX% of participating companies receive consultation from the municipality's climate and energy advisor
- 4 business-to-business dialogue events on energy issues
- XX% of participants report having implemented/started an action in one of the two areas within one year of the energy Dialogue

Trollhättan LGD

Scope and partner

Scope

Accelerate the green transition at the local level in collaboration between the municipality and the business community and to lay the foundation for continued work and commitment in sustainable energy, with a particular focus on equalising electricity consumption and reducing power peaks, but also to increase efforts in energy efficiency and the installation of renewable energy.

Partner

Innovatum Science Park, Företagarna Trollhättan and BID Stallbacka/Skogstorpa

✓ **SIGNED**



Trollhättan LGD

Commitment

Support the overall goal of achieving efficiency through innovative solutions and promote the common objectives of the ICC Consortium.

The project has the following specific **objectives**:

- In the area around Kardanvägen (Skogstorpa), reduced power peaks among companies will be achieved, which will enable 10% capacity to be freed up in the electricity grid
- In the BID Stallbacka area, initiate a process to apply for funding for a project that is about efficiently using power and energy. Knowledge from the project around the Karan Road on power efficiency will be a basis for such an application.
- Companies around Kardanvägen and BID Stallbacka are offered energy and climate advice with content on both energy efficiency and the possibility of local renewable energy.

Trollhättan LGD

Follow up

- Proportion of identified flex potential in the area around Kardanvägen
- Number of committed companies in the project "Fyrbodal for the flex of the future"
- Number of project applications/initiatives around BID Stallbacka
- Number of completed visits by the energy and climate advisor in the relevant business areas.
- Number of entrepreneurs who participated in information meetings in collaboration with Företagarna Trollhättan

LEGNANO LOCAL GREEN DEALS

Sara Lodrini

Cavriago (RE), 28 novembre 2024

LEGNANO LDGs

Framework

Location

Legnano is an Italian city in the Metropolitan City of Milan with a population of around **60,000 inhabitants**. It's one of the **most urbanized areas** of the territory of the Region, with a very high concentration of **urban and manufacturing activities** (and in specific areas also agricultural activities).

Productive ecosystem

- In Legnano, there is a total of **approximately 3,574 active enterprises**.
- The leading sectors are **commercial sectors** (wholesale and retail trade – 20% of the total) **and professional sectors** (12% of the total).

- Only **1738 enterprise** are the ones having reliable and **sufficient balance sheet data** to be processed and analysed (being the only ones who have to provide it by law) necessary for classification.

Size	Number of enterprises	%	Turnover (/000)	%	Employees (#)	%	Value (/000)	%
Large	3	0,2%	498.325	16,6%	1.068	8,7%	102.420	16,6%
SME	156	9,0%	1.597.496	53,3%	5.575	45,2%	305.778	49,6%
Micro	1579	90,9%	901.205	30,1%	5.699	46,2%	207.862	33,7%
Total	1738	100%	2.997.026	100%	12.342	100%	616.060	100%

LEGNANO LDGs

Roadmap to LDGs

Legnano aims for a **sustainable transformation**, securing funds from European, national and regional sources (more than 50 millions in the last three years) intended for:



LEGNANO LDGs

Roadmap to LDGs

Stakeholders to be involved in the LGD

- Metropolitan City of Milan
- Universities (LIUC, University of Milan)
- Business Associations (Confindustria – Confartigianato – Confcommercio)
- Service companies (AMGA, ALA, CAP Holding, Conai)
- ENEA
- Consulting groups (WindTre and associated partners, PTS)

Actions to be developed

- Data collection and timely monitoring of energy consumption and the production of undifferentiated waste (to have the data available)
- Calculation of total emissions and definition of goals.

Expected results

- Reduction of emissions through lower energy and waste consumption and the review of production activities, also following specific co-financed projects.

Common set of goals

City alliance

City alliances

the intent is that these behaviors become widespread, shared and applied policies for the territory, citizen alliances, through adhesion to the path of **all citizens, companies and traders**, motivating their direct and active involvement in the interventions.



REDUCE

the energy consumption and waste production through a **more timely, extensive and precise measurement** of the same and consequent specific interventions.



PRODUCE

more sustainable ways of producing energy (Solar panels, Energy Communities).

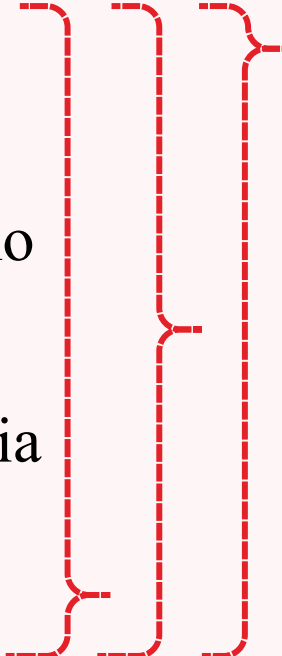


TRANSFORM

the city a **new ecological and “green” shape**, through reforestation interventions urban, de-paving, ...

LDGs - Energy audits for MSMEs

The stakeholder involve

- Municipality of Legnano
 - Università degli studi di Milano
 - Università degli studi di Brescia
 - PTSCLAS
- 
- Confindustria Alto Milanese ----- ✓ LGD 1
 - Confartigianato Imprese Alto Milanese ----- ✓ LGD 2
 - Confcommercio Legnano ---- ✓ LGD 3

LDGs - Energy audits for MSMEs

Scope

Energy-efficiency initiatives are crucial to **reduce environmental impact** and **promote sustainability**, but it's quite evident that is possible to achieve real energy efficiency only if a preliminary energy diagnosis is carried out properly. In this perspective, planned LGD's first target is focused on increasing the number of enterprises willing to carry out an **energy audit**.

LDGs - Energy audits for MSMEs

Benefits to enterprises

- Identifying inefficiencies and recommending energy-saving measures, an energy audit can significantly lower utility bills and help prioritize upgrades that offer the best return on investment
- Pinpointing areas of excessive energy consumption, energy audit allows for targeted improvements in the energy use and can lead to better maintenance and upgrades of existing equipment
- Ensuring compliance with environmental laws and regulations
- Provide valuable data for long-term energy planning and management and helps in preparing for future energy needs and regulatory changes
- Enable access to incentives, rebates, and grants for energy efficiency improvements
- Enhance company's reputation and brand image in the local, national and international environment
- Provide verifiable data on energy efficiency and environmental impact, helping businesses demonstrate their commitment to sustainability.

LDGs - Energy audits for MSMEs

Benefits to universities

- Documents and material for academic publications in real case studies

LDGs - Energy audits for MSMEs

Roadmap to energy audit

1. Mapping of enterprises by sector, activity, turnover, number of employees, etc. to have a general view of the local productive environment
2. Identification, through analysis of literature data and open discussions with technicians and specialists from Confcommercio Legnano and Enea, of the “state of art” and the most critical elements concerning energy efficiency (and energy audits) in MSMEs
3. Organisation and management of Focus Groups and One-to-One Interviews on a sample of enterprises (selected by Confcommercio Legnano) to verify the preliminary hypotheses, identify new areas of investigation and segmentation variables, gather suggestions and opinions, identify possible barriers to (and the degree of interest in) an energy audit

LDGs - Energy audits for MSMEs

Roadmap to energy audit

4. Design (by the University of Milan and the University of Brescia in cooperation with PTSCLAS), of a research study (structured survey) to verify the willingness of companies to carry out an energy audit and its dependence from different variables to be tested.
5. Preparation (also in cooperation with Enea) of the questionnaire and design/selection of the questionnaire delivery methodology.
6. Pilot and fine tune the questionnaire through autonomous and guided filling in of the questionnaire by a sample of companies, in meetings specifically organised to check how easy or not the compilation was, and to identify possible areas for improvement.

LDG signature

LDGs - Energy audits for MSMEs

Municipality of Legnano commitment

Scope/ sector	Energy audits
Action	Enhance the number of MSME committed and willing to carry out an energy audit, by means of massive communications, press conference and other institutional channels,. Prepare a call for tender to be used as one of the incentive approaches to be tested in the survey.
Target	At least 15 % of Confcommercio Legnano associated companies (local territory only) to carry out an energy audit by mid-2025. 20 additional non- Confcommercio Legnano member companies to be involved in the energy audit by July 2025.
Impact	Number of energy audit carried out both by Confcommercio Legnano associated companies and non- Confcommercio associated companies. Primary energy potentially saved (KWh or Tep) % primary energy potentially saved/total CO2 emission avoided (ton)

Scope/ sector	Energy audits
Contribution by third party/stakeholders (optional)	ENEA: make the energy audit tool available, train the technical staff who will support companies to correctly use the tool, participate in the event to launch the energy audit programme
Cost Estimation	EUR 70.000
Funding Source	Public
Timeline/deadline	July 2025
Monitoring activities	The action will be monitored by municipality trough the KPI impact “%energy audit carried out”. A bimonthly report will be produced containing the following information: <ul style="list-style-type: none"> - Name LGD and Date - Activities carried out - KPI assessment The KPIs related to the environmental performances will be monitored at the end of the activities

LDGs - Energy audits for MSMEs

Confcommercio Legnano commitment

Scope/ sector	Energy audits
Action	Enhance the number of MSME committed and willing to carry out an energy audit, by means direct contacts, massive communications, press conferences and other institutional channels.
Target	At least 15 % of Confcommercio Legnano associated companies (local territory only) to carry out an energy audit by mid-2025.
Impact	Number of energy audit carried out for Confcommercio Legnano associated companies: Primary energy potentially saved (KWh or Tep) % primary energy potentially saved/total CO2 emission avoided (ton)

Scope/ sector	Energy audits
Contribution by third party/stakeholders (optional)	ENEA: make the energy audit tool available, train the technical staff who will support companies to correctly use the tool, participate in the event to launch the energy audit programme
Cost Estimation	/
Funding Source	/
Timeline/deadline	July 2025

LDGs - Energy audits for MSMEs

Universities commitment

Scope/ sector	Energy audits
Action	Design a research, carry out a survey to measure the willingness of companies to undertake an energy audit, assess the varying effectiveness of a set of incentive tools, support the implementation of energy audits and measure, over time, their correlation with energy efficiency measure.
Target	Complete the survey filed activities by February 2025. Implement the energy audit in the selected companies, by July 2025. Provide a report in which the most effective ways to activate the participation and involvement of companies in the energy audits are identified and analysed. With punctual measurement of correlations with selected qualitative and quantitative characteristics of the enterprises, by September 2025.

Scope/ sector	Energy audits
Impact	Number of energy audit carried out both by Confcommercio Legnano associated companies and non-associated-companies. At least one scientific article on the result of the survey, to be disseminated through scientific conferences, academic peer-reviewed journals and workshops with stakeholders and policy makers.
Contribution by third party/stakeholders (optional)	ENEA: make the energy audit tool available, train the technical staff who will support companies to correctly use the tool, participate in the event to launch the energy audit programme
Cost Estimation	EUR 17.000
Funding Source	Public
Timeline/deadline	September 2025

LDGs - Energy audits for MSMEs

PTSClas commitment

Scope/ sector	Policy evaluation
Action	Cooperate with MEIEC (see University of Milan) with the goal of raising awareness and attention among public institutions, business, and civil society on the importance of impact evaluation of policies in making “evidence-based” decision.
Target	Complete the survey filed activities by February 2025. Support the organisation of dissemination events by engaging public partners and private organisations and delivering presentations on the significance of evaluation by March 2025. Support and coordinate the implementation of an LGD monitoring tool and the release of a first policy evaluation report (based on companies’ profiles and related response rates) by July 2025.

Scope/ sector	Policy evaluation
Impact	<p>Help build a stronger network among local actors, encouraging greater collaboration across sectors and influencing the implementation of future public and private initiatives.</p> <p>Strengthen the culture of evaluation, promoting continuous improvement in both governance and business practices, with long-term benefits for local development and competitiveness.</p>
Contribution by third party/stakeholders (optional)	ENEA: make the energy audit tool available, train the technical staff who will support companies to correctly use the tool, participate in the event to launch the energy audit programme
Cost Estimation	none
Funding Source	/
Timeline/deadline	July 2025

ARUP