

Repower Industries

REPOWER INDUSTRIES

Promoting better policies
for Industrial Energy
independence and security

Interregional Event in Milan
December 3rd and 4th, 2024



Agenda

December 3rd

09:00 – 14:00 | Interregional workshop

09:00 Registration

09:30 Institutional greetings – *Lombardy Region*

Welcome greetings – *Lombardy Energy Cleantech Cluster*

09:45 Introduction project Repower Industries – *Czech Technical University in Prague (CTU)*

10.00 Innovation in the energy context - *Research on the Energy System - RSE S.p.A.*

10.15 Case studies: a new model for industrial energy safety and independence – *EnerTech S.r.l.*

10:45 *Coffee break*

11:00 Round table and stakeholder presentations

11:30 Interactive workshop – discussion on PROs, CONs and barriers of energy independence - *CTU*

12:30 Lunch and Closing Session

Venue: *Lombardy Region (Palazzo Pirelli, Sala Gonfalone – Via Fabio Filzi, 22 – 20124 Milano)*

Welcome: Where we are

PIRELLI BUILDINGS

The construction of the Pirelli skyscraper It was built between 1956 and 1961. **The “Pirellone” reaches 127 in height.**

Of its 31 storeys, 2 are below ground. Since it was first built, it became one of Milan's symbols and, more generally speaking, of Italy's economic renaissance.

For almost 50 years, **the Pirelli building** was Milan's tallest skyscraper and its **127 metres**, towered over the **Madonnina**.

The Project was appointed to Gio Ponti, Giuseppe Valtolina, Pier Luigi Nervi, Antonio Fornaroli, Alberto Rosselli, Giuseppe Rinardi and Egidio Dell’Orto.

Palazzo Pirelli



INSTITUTIONAL GREETINGS

LOMBARDY REGION

Elena Colombo

*Dirigente UO Risorse Energetiche, Direzione Generale Enti Locali, Montagna, Risorse Energetiche, Utilizzo Risorsa Idrica,
REGIONE LOMBARDIA*

3 DECEMBER 2024 | Milan



Regione
Lombardia

Regional Program for Energy, Environment, and Climate (PREAC)

The **PREAC** is a regional policy implemented by the Regione Lombardia (Lombardy Region) through the Direzione Generale Ambiente e Clima. **It outlines the objectives, priorities, and actions to be taken to advance sustainable development, reduce greenhouse gas emissions, and mitigate climate change impacts in Lombardy.**

The specific objectives and priorities of the PREAC may include:

- 1. Promotion of Renewable Energy:** Encouraging the deployment of renewable energy sources, such as solar, wind, biomass, and geothermal, to increase the share of clean and sustainable energy in Lombardy's energy mix.
- 2. Energy Efficiency and Conservation:** Implementing measures to improve energy efficiency and reduce energy consumption across sectors, including buildings, industries, and transportation.
- 3. Climate Change Adaptation and Mitigation:** Developing strategies and actions to address the impacts of climate change in Lombardy, including adaptation measures to enhance resilience and mitigation efforts to reduce carbon emissions.
- 4. Research and Innovation:** Supporting research, development, and innovation in clean energy technologies, environmental protection, and climate-related initiatives.

By implementing the PREAC, Lombardy aims to achieve its sustainability and climate targets, contributing to the broader national and international efforts to fight climate change and foster a more sustainable future for the region and its inhabitants.

LOMBARDY ENERGY CLEANTECH CLUSTER

Carmen Disanto
Cluster manager LE2C

3 DECEMBER 2024 | Milan



Lombardy energy cleantech cluster

ENERGY&CLEANTECH SECTOR

LOMBARDY REGION

N.Companies: > 500

Turnover: 23 billion euros

Employees: 15.000

9 Cluster Tecnologici Lombardi

«Clusters are geographic concentrations of interconnected companies and institutions in a particular field. Clusters encompass an array of linked industries and other entities important to competition»

M. Porter



Regione
Lombardia

Cluster Tecnologici Lombardi



As the Regional technology cluster for energy and the environment, it works to support the growth and the innovation of the production in Lombardy

- ❖ It is able to **cover an entire supply chain** for **energy**, such as **waste-to-energy, biomass** power plants, photovoltaics, storage...
- ❖ Relevant international presence: **70% of** our members **export** in **98 Countries**

153
MEMBERS



116
Companies



11
Research
Institutions



26
Other
entities

LE2C from 2009 to today



2009

Lombardy Energy Cleantech Cluster, is established, one of the 9 Technology Clusters in Lombardy



2014

Becomes a «**Recognised Association**» by the Regione Lombardia



2015

First Italian cluster to obtain the **Gold Label** from ESCA, certifying the excellence of its work



2020

Renovation of LE2C's **brand identity** and **website**

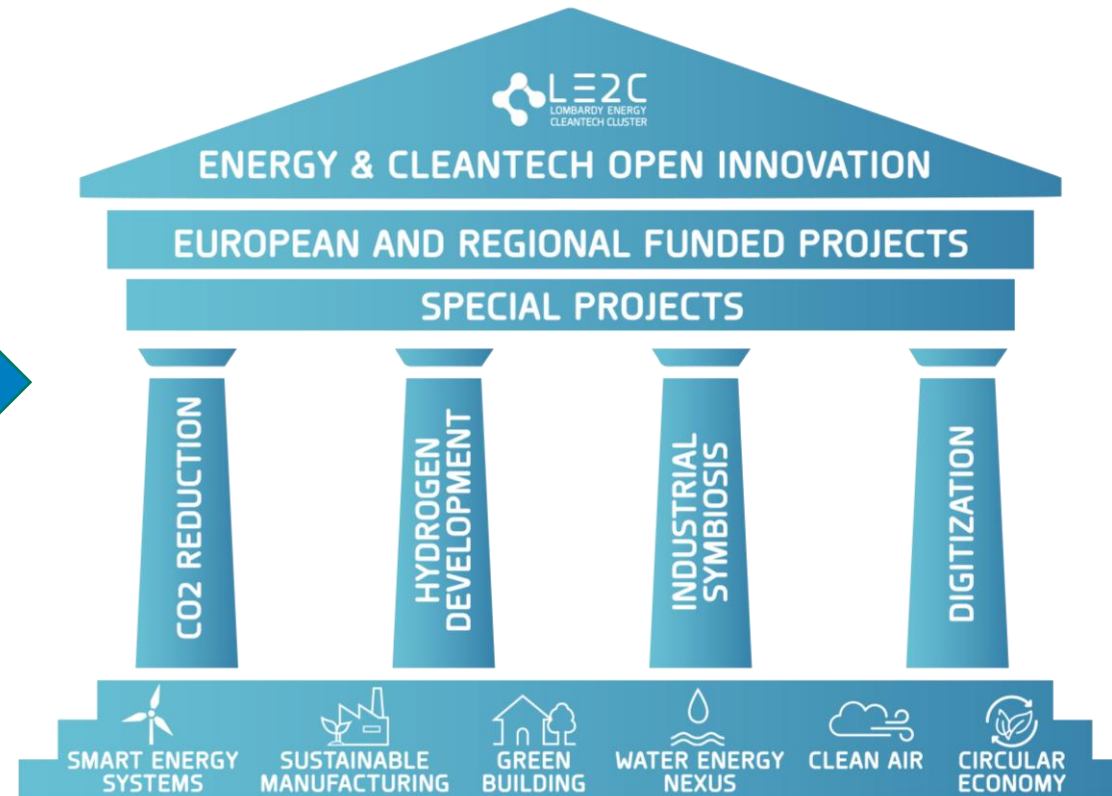
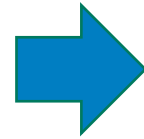


TODAY

LE2C is a partner of 6 european projects, 2 national project and 2 regional projects

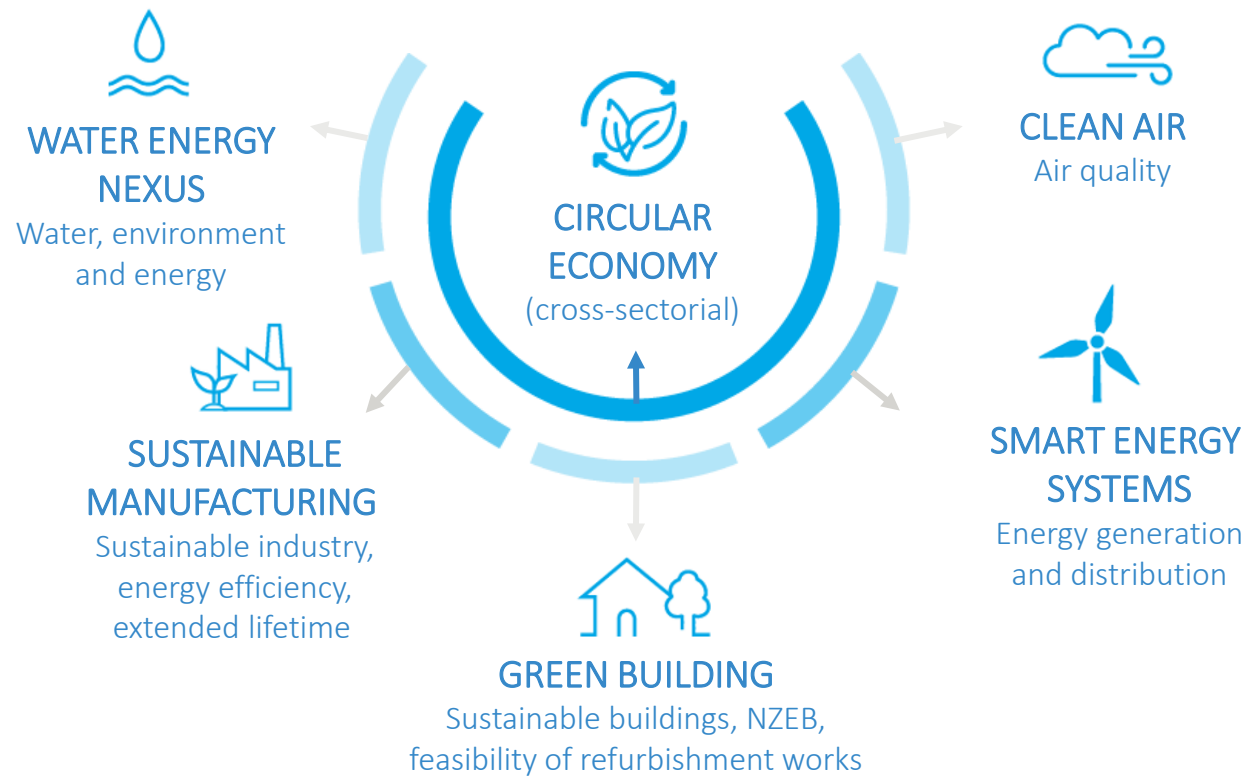


STRATEGY 2021-27



6 Thematic Areas

LE2C enhances dialogue and **synergies between companies and research centres in the energy and environment sectors**. The activities are divided into 6 thematic areas:



Ongoing projects



Thank you!



Elena Colombo

*Lombardy Region. Directorate General for Local Authorities,
Mountains, Energy Resources, Water Resources Use*

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IL PROGETTO: REPOWER INDUSTRIES

Michal Tobias
*Czech Technical University
in Prague*

3 DECEMBER 2024 | Milan



Repower Industries

Project's Goal

Repower Industries aims to **promote better policies** for **industrial energy independence and security** by utilizing **renewable energy sources**.

Topic

To promote the industries' **energy independence** by working on:

- **Renewable energies**
- **Energy Efficiency**
- **Batteries and storage**

BUDGET

TOTAL
€ 1.617.200,00

DURATION

51 Months

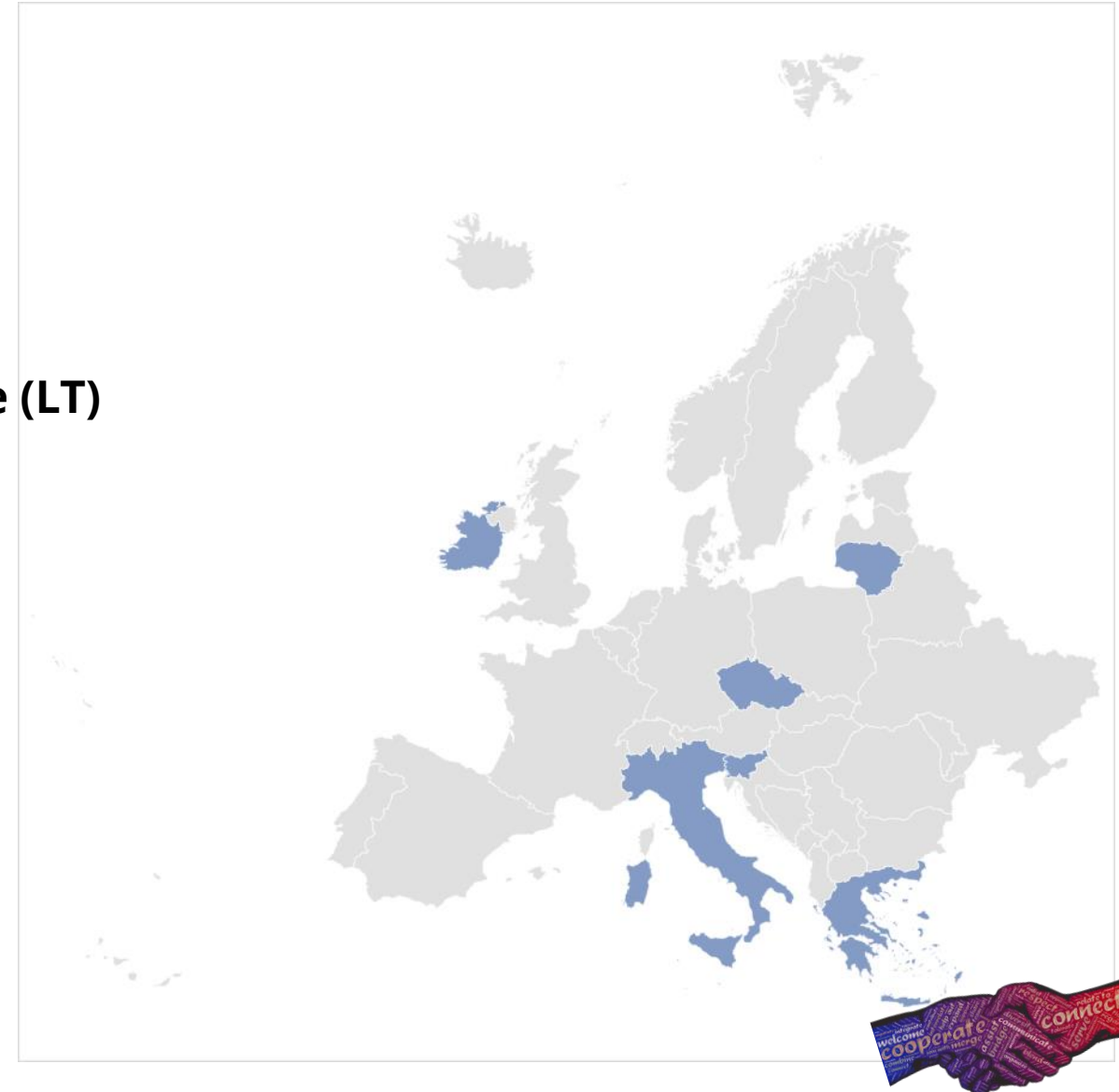
April 2024
June 2028

PARTNER

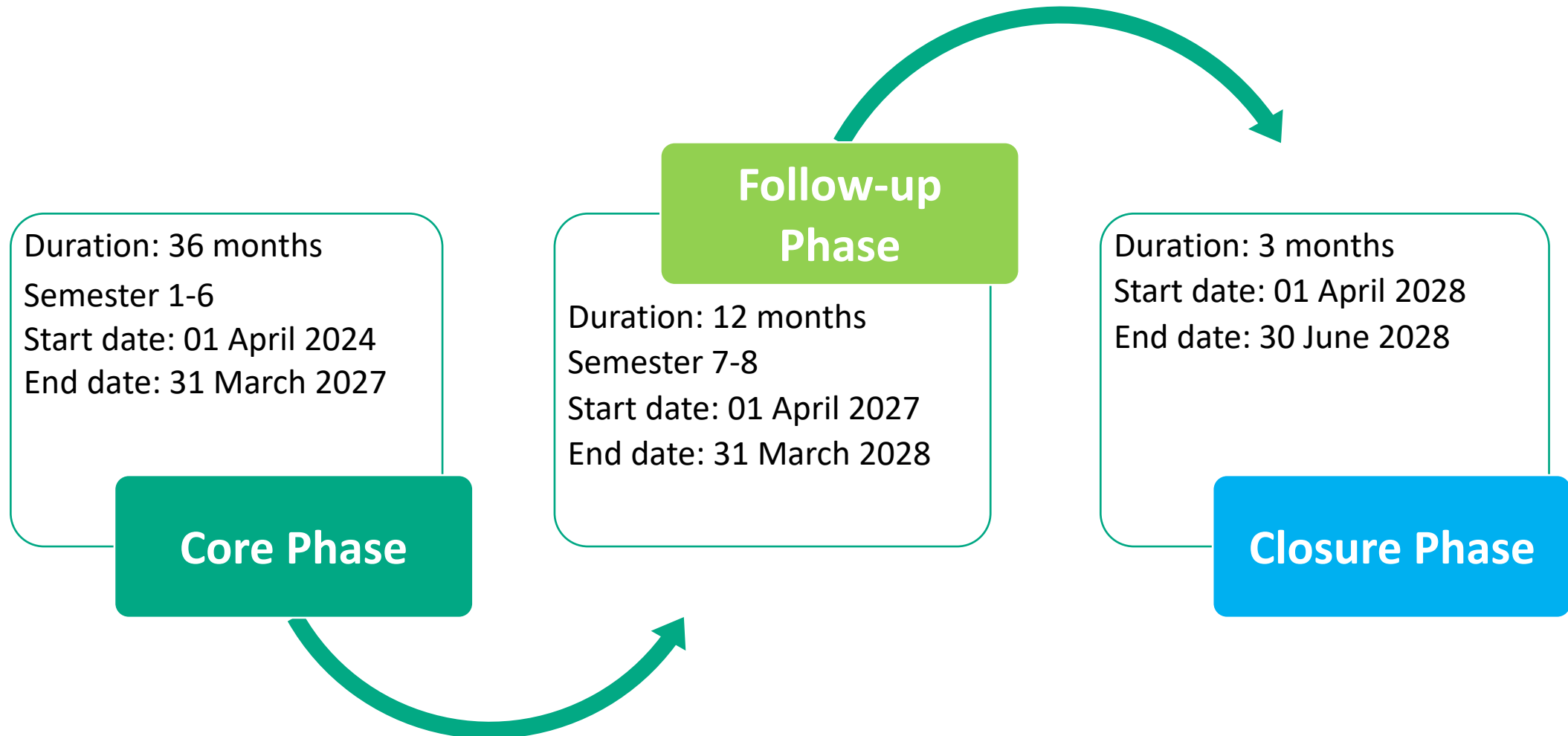
8 Partners
5 Countries

Repower Industries - consortium

1. **Czech Technical University in Prague (CZ)**
2. **Epirus Region (GR)**
3. **Lombardy Energy Cleantech Cluster (IT)**
4. **Public Institution Lithuanian Innovation Centre (LT)**
5. **Birzu District Municipality Administration (LT)**
6. **South East Energy Agency (IE)**
7. **Municipality of Medvode (SI)**
8. **Environmental Research Institute (SI)**



PROJECT DURATION



Activities

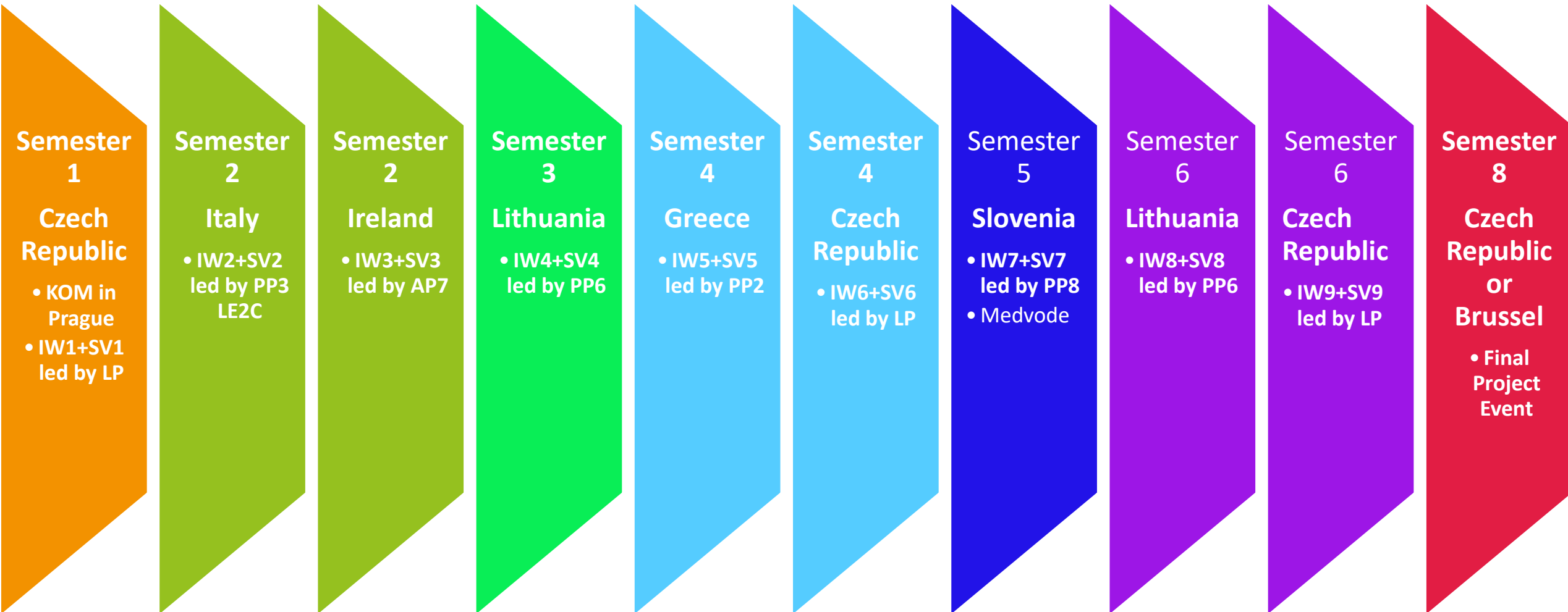
The program includes several practical activities:

- **Study visits and workshops** in the various countries involved to observe local policies and pilot actions.
- **Regional assessments and market analysis** related to policies in the different areas of expertise.
- **Networking events** to create connections with personnel from related fields, dissemination and exchange of experiences.
- **Local actions** involving the business sector, policy makers and associations.
- Development of an **action plan** to implement new policy management tools.
- Identification of **Best Practices** for the exchange and dissemination of concrete proposals at the international level.

The ultimate goal is the realization of **self-sufficient industries**, taking into account **national, sectoral and company size variables**. The trend toward energy independence is growing, driven by economic, environmental and social factors.

CORE PHASE PROJECT MEETINGS (SEMESTER 1 -6)

SAVE THE DATES



**Time for
questions**



INNOVATION IN THE ENERGY CONTEXT

Omar Perego

*Research on the Energy
System – RSE S.p.A.*

3 DECEMBER 2024 | Milan



**Time for
questions**



A NEW MODEL FOR INDUSTRIAL ENERGY SAFETY AND INDEPENDENCE



Umberto Visconti
EnerTech S.r.l.

3 DECEMBER 2024 | Milan

**Time for
questions**



Round table - Stakeholders

Name

Institution and function

Comments and insights



Interactive Workshop

Study visit

Meeting point: [Palazzo Pirelli](#), Sala Gonfalone
– Via Fabio Filzi, 22 – 20124 Milano

Departure time: 14:00

Return time: 18:00

Venue: Tenova, Via Gerenzano, 58 - 21053
Castellanza – Italy

Tenova



Project dinner

Time: 20:00 – 22:00

Venue: [Obicà Mozzarella Bar – Cusani](#),
Via Cusani 1, 20121, Milano



Agenda

December 4th

09:00 – 13:00 | Steering Committee Meeting (PP)

09:00 – 09:15 | Registration

09:15 – 09:45 | Partner presentation S1 results

09:45 – 10:30 | Output of the project: workplan

10:30 – 10:45 | Coffee break

10:45 – 12:15 | Output of the project: workshop

12:15 – 13:00 | Light Lunch (PP)

15:00 – 16:00 | Guided tour of Milan



Venue: Lombardy Region (Piazza Città di Lombardia, 1, 20124 Milano MI - Entrance N4, 8th floor, orange wing, room AR10)

@ Metro Station MM2 Gioia or MM3 Sondrio



(10 minute walk from Milan Central Station)