

KEY

05 / 06 / 07 MARCH

Legend

-  AIDI - Incontri di Luce
-  Cross-cutting topics
-  EFFI - Energy Efficiency
-  EME - eMobility
-  Energy Transition
-  Exhibitors and partners events
-  ForumTech
-  HYPE - Hydrogen Power
-  Innovation District
-  KSE - Key Storage
-  Opening
-  SEC - Solar Exhibition Conference
-  Su.Port
-  Sustainable City
-  WEM – Wind Expo for Med

WEDNESDAY 5 MARCH

WEDNESDAY 5
MARCH

10:00 -
11:30

Ravezzi 1 Room,
South Hall

Sustainable City

*On-site & on-
demand event*

[Click here](#)

Digital for the energy efficiency of the built environment



Language: Italian

organized by KEY and GBC Italy Technical Scientific Committee

The event aims to focus attention on the potential for energy efficiency achievable thanks to digital technologies applied throughout the entire process and life cycle of a building, from the conception of the work to its deconstruction at the end of its life.

The new EPBD represents a strong push in this direction with the reference to the evolution of energy simulation with dynamic methods and with the request for more effective automation and monitoring, enhancing them through the SRI indicator.

The meeting aims to establish the current state of affairs and what are the prospects and potential, in the medium term, also to support the implementation of EPBD IV, and the related challenges such as data management and the training necessary to fully integrate these technologies.

Session Chairs

Gian Marco Revel, Polytechnic University of Marche and CTS member of KEY
Marco Caffi, Green Building Council Italy and CTS member of KEY

Program

Introduction and welcome

Digitalization as a lever for the ecological transition: from BACS to the Digital Twin
Alfonso Capozzoli, PoliTo *

SRI, what future?

Paola Soma, Edilclima *

Artificial Intelligence and the energy performance of plants

Siram Veolia

Digital and renewables: the model that puts energy at the center for the evolution of buildings, cities and territories

Valentina Infante, Director of Urban Regeneration Edison Next

Discussion among participants and closing

* *Invited speaker, awaiting confirmation*

WEDNESDAY 5
MARCH

10:00 -
13:30

Neri 1 Room, Hall
Sud

ForumTech
On-site & on-
demand event
[Click here](#)

Forum Tech 2025: Technological Innovations in the Photovoltaic Industry. Plenary Session.

Language: Italian

organized by Italia Solare

The ForumTech 2025 brings together industry experts, researchers, academics, and professionals to discuss the latest innovations and future trends in the photovoltaic field. During the conference, participants will have the opportunity to explore new technologies, innovative materials, and advanced solutions to improve the efficiency and integration of photovoltaics into existing infrastructures.

The morning will open with an introductory session on the current state of the photovoltaic industry and its future prospects, followed by in-depth discussions on storage systems and advanced maintenance and monitoring technologies. The afternoon will focus on integrating photovoltaics into smart cities, exploring synergies between photovoltaics and electric mobility, and a round table on the future of photovoltaics. The conference will offer ample networking opportunities, fostering the exchange of ideas and collaboration among participants.

WEDNESDAY 5
MARCH

10:00 -
17:00

Su.Port Arena, Pav.
B3

Su.Port
On-site & on-
demand event
[Click here](#)

Ports as powerhouses: navigating the energy transition in maritime hubs

Language: English

organized by Magellan Circle

The conference on energy transition in ports at the key energy expo in Rimini will be a landmark event, exploring the role ports play in the global shift towards sustainable energy. Attendees can expect a rich tapestry of discussions covering various aspects of this crucial transformation.

The conference will delve into how ports are evolving from traditional maritime gateways to become powerhouses of the energy transition. By 2050, the total electricity generating capacity for industrial ports could increase more than tenfold, with renewable energy potentially accounting for at least 70% of the total electricity generation, compared to just 5% today. This dramatic shift positions ports as critical nodes in the future energy landscape. The conference will present their decarbonization strategies (electrification of port activities, alternative fuels, infrastructure and investment, energy system integration and collaboration and innovation) showcasing innovative projects and partnerships that are driving the energy transition in ports worldwide.

Program

Energy transition in ports - State of play

Alexio Picco, Managing Director Circle Group

Seanergy Master Plan*Synergy Project and the Master Plan*

Beatrice D'auria, Seanergy Project Manager

Decarbonization strategies

Roberta Montesano and Carlos Daniel Huertas Caballero, RINA

Overview on the SEANERGY Handbook and related factsheets

Elena Gascon, Atperson

Presentation of Ports Energy Transition Master Plan

Simone Pacciardi, La Spezia

Paul Brewster, Irish ports

Andrej Hrabar, Koper

Francisco Alves, Lisbon

Peter Van Wijlick, Pioneers project Venlo

Denise Sofia, La Spezia Container Terminal

*Lunch Break****Tecnologie e metodologie per la transizione energetica nei porti****Photovoltaic at sea*

Maddalena Bozzetti, Solarinblue

Maritime emission portal

Yucel Yildiz, Right ship

On shore power supply

Ingeteam

SeeElefant: Ship-based plastic recycling in ports

Harald Frank

Andreas Meyer-Bohe

Working group

Tools and methodologies for energy transition in ports - Validation of the Seanergy Master Plan (only on invitation)

WEDNESDAY 5

MARCH

10:15 -

11:45

Energy Transition
Arena, Pav. B2**EFFI - Energy
Efficiency***On-site & on-
demand event***[Click here](#)****Energy Accounting**

Language: Italian

organized by FIRE - Italian Federation for the Rational Use of Energy

Energy accounting is a key strategic tool for making informed decisions and achieving your organization's sustainability goals. Responding to the growing focus on environmental issues requires a more accurate and transparent assessment of how energy is used. A practical guide to designing and maintaining energy accounting, applicable to systems of any size, will be presented. Based on a model similar to economic budgets-that is, grounded in a comparison of two tables, the source table and the use table-this guide provides all the tools needed to build a rigorous and reliable energy accounting system. Use of the guide enables a common approach, making different systems easier to compare and the results more transparent and verifiable.

Energy accounting provides a representation, at the desired level of detail, of energy flows in a system. A supporting tool for communicating results to stakeholders, assessing and improving performance, designing new, more efficient energy systems, and calculating the environmental impact of energy consumption.

The seminar will explain the methodology for energy accounting with some educational examples.

An appointment designed for energy managers, EGEs, utilities, ESCOs, monitoring platform providers and the other stakeholders involved in energy management and decarbonization.

Session Chair

Daniele Forni, FIRE

Program

Greetings and introduction

Daniele Forni, FIRE

Measure, Understand, Save: the potential of Energy Accounting

Deborah De Angelis EGE

Energy accounting and ISO 50001 in the tertiary sector

Stefano Perboni EGE

Energy accounting in a municipality

Gian Paolo Bottan, EGE

Making measurement data available

Marco De Min, ARERA

Space for discussion

Closing remarks

WEDNESDAY 5
MARCH

10:15 -
11:45

Hydrogen Arena,
Pav. B3

**HYPE - Hydrogen
Power**
*On-site & on-
demand event*
[Click here](#)

Synthetic fuels for hard-to-abate transport: what's happening in Europe?

Language: Italian

organized by **T transport&Environment**

The transition to a zero-emission future requires innovative solutions and new energy carriers to meet the challenges of decarbonization in hard-to-abate transportation sectors such as maritime and aviation. This event, organized by Transport & Environment as part of KEY ENERGY 2025, is a unique opportunity to analyze the crucial role that synthetic fuels will play in the European landscape, highlighting strategies, progress and opportunities. With the participation of institutional representatives, including the European Commission, the Italian Ministry of the Environment and the Spanish government, and key industry players, the debate will explore regulatory and technological developments, while highlighting the main barriers-economic, regulatory and infrastructural-that still hinder the full development of this emerging market. The goal is to stimulate a joint reflection on the conditions needed to enable industrial stakeholders to actively contribute to the transition to climate neutrality, providing a clear and shared vision on future priorities, with the aim of keeping the competitiveness of the Italian industrial sector high in a context of ever-increasing competition, both extra-EU and intra-EU.

Program

The EU vision: the European regulatory framework to stimulate the fuel market of the future: Fuel EU, ReFuelEU and RED III.

Marco De Benedictis, European Commission, DG Energy

How are other member states doing? What are the enablers from a regulatory perspective?

Benito Nunez Quintanilla, Secretary General Air and Maritime Transport - Spanish Ministry of Transport and Sustainable Mobility

Presentation of T&E observatories (e-kerosene for aviation and e-fuels for maritime) and Italy's lag on synthetic fuels: what industrial risks?

Carlo Tritto, Sustainable Fuels Manager, T&E Italy

Costs and opportunities of the transition from an industry perspective. What barriers to overcome for greater adoption of these fuels?

Dario Bocchetti, Head of Energy Saving R&D and Ship Design, Grimaldi Group

What can Italy do to close the emerging industry gap on these fuels? The National Hydrogen Strategy and next steps.

Luca Ventorino, Technical Secretariat, Ministry of Environment and Energy Security (MASE)

WEDNESDAY 5
MARCH

10:15 -
11:45

Efficiency Arena,
Pav. A4

**EFFI - Energy
Efficiency**
*On-site & on-
demand event*
[Click here](#)

The opportunities of industrial heat electrification



Language: Italian

organized by Ecco - The Italian Climate Change Think Tank and KEY Technical Scientific Committee

The Italian manufacturing industry is responsible for 85.4 MtCO₂eq, accounting for about 22 percent of national greenhouse gas emissions. Of these, 63% come from the direct combustion of fossil fuels, particularly natural gas, used for thermal power generation. This dependence can be significantly reduced through direct electrification of process heat. Reducing the demand for natural gas would not only lower emissions, but also contribute to the national strategy to strengthen national energy security.

In particular, the potential for electrification appears immediately exploitable for industries that use process heat at low to medium temperatures (below 150°C). For these industries, complete electrification, taking advantage of existing technologies, would be theoretically feasible. This opportunity would not only provide companies with a sustainable and safe technology option, but also contribute to the development of the domestic production chain.

The ECCO think tank delved into the feasibility of heat electrification through a bottom-up approach, analyzing possible economic, infrastructure and policy bottlenecks, as well as opportunities and benefits. Based on sectoral technical insights, the discussion will address opportunities for the domestic manufacturing sector, both on the side of energy consumers and enabling technology providers, reconciling sustainability goals, with security of supply and business competitiveness.

Program

Keynote speech: Why an electrification strategy for industry?

Chiara Di Mambro, Director Strategy Italy & Europe

Electrification scenarios on the food and textile sectors: barriers and opportunities

Carolina Bedocchi, Industry Researcher, ECCO Think Tank

Discussion

Letizia Magaldi, Executive Vice-President of Magaldi Green Energy

Luca Valota, Head of Proposal & Sales Support - ES Proposal Committee PMO Engie

Tonino Grassi, Technical Director Siram Veolia Industry & Building

Claudio Ferrari, President Federesco

Giorgio Nanni, Head of Environment and Energy LegaCOOP

Q&A

Conclusions

Chiara Di Mambro, Director Strategy Italy & Europe

WEDNESDAY 5
MARCH

10:15 -
11:45

City&Mobility
Arena, Pav. A2

EME - eMobility
On-site & on-
demand event
[Click here](#)

Electrifying corporate fleets: everything you need to know



Language: Italian

organized by Motus-E

Analyze with experts and companies the steps necessary to electrify a fleet of company vehicles, identifying all the advantages - economic and otherwise - of such a choice and delving into the regulatory updates of the latest Budget Law. This is the goal of the Motus-E panel dedicated to the world of corporate fleets, an increasingly important market channel for electric cars and vans, which can be an opportunity of great interest both for companies and for those who will drive these vehicles. The debate will be animated by the speeches of car manufacturers, fleet managers, rental companies and players in the world of charging, who will address all aspects of a sector with great growth prospects.

Program

Moderator

Alessandro Lago, director Motor 1

Introduction and welcome

Matteo Gizzi, market intelligence manager, Motus-E

Introduction Presentation guide to electrification of corporate fleets

Satiri Robert, Director, General Services Manager Colacem S.p.A. - AIAGA

The challenges of corporate fleet transition

Fabio Zisa, Head of Fleet Sales, Mobility & Remarketing - Hyundai

Manuel Cuomo, Head of Beyond Insurance Strategy, Unipol

Ugo Papagni, Director Sales Division, Bloomfleet

Orazio Corva, Principal Future Cities and Mobility, AFRY Management Consulting

The opportunities of recharging in the workplace

Francesco M. Merella, Head of E-Mobility Services, Duferco

Marco Carvelli, Head of E-Mobility - Edison Next

Costantino Fassino, Chief Business Development and Sales Officer, Powy

Damato Michele, Head of Sales of Eni Plenitude e-mobility, Eni Plenitude

WEDNESDAY 5
MARCH

12:00 -
13:00

Main Stage -
Cupola Lorenzo
Cagnoni, Hall Sud

Opening

On-site & live
streaming event

[Click here](#)

OPENING CEREMONY - ENGLISH LANGUAGE SESSION

Language: English

Inauguration event of the **18th edition of KEY - The Energy Transition Expo**, the European event dedicated to technologies, services, integrated solutions for energy efficiency and renewable energies in Italy and the Mediterranean basin.

Moderator

Alessandra Astolfi, Global Exhibitions Director - Green & Technology Division, Italian Exhibition Group

Speakers

Maurizio Renzo Ermeti, President of Italian Exhibition Group

Councilor of Ecologic Transition, Environment, Sustainable Development, Blue Economy Rimini Municipality

Michele De Pascale, President of Emilia-Romagna Region

Paolo Arrigoni, President of GSE S.p.A. (Energy services manager)

Gilberto Pichetto Fratin, Minister of the Environment and Energy Security

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MARCH

12:00 -
13:00

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Cupola Lorenzo
Cagnoni, Hall Sud

Opening

On-site & live
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[Click here](#)

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Simultaneous translation: English

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Anna Montini, Councilor of Ecologic Transition, Environment, Sustainable Development, Blue Economy Rimini Municipality

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Paolo Arrigoni, President of GSE S.p.A. (Energy services manager)

Gilberto Pichetto Fratin, Minister of the Environment and Energy Security

WEDNESDAY 5
MARCH

14:30 -
15:30

Diotallevi 1 Room,
South Hall

ForumTech
On-site & on-
demand event
[Click here](#)

ForumTech 2025: Technological Innovations in the Photovoltaic Industry. Plenary Session 2.1

Language: Italian

organized by Italia Solare

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Program

PV Modules: Technologies for end-of-life management

Introduces and moderates

Andrea Rovera, coordinator GdL Production chain and sustainable procurement, Italia Solare

- impact of art 9 of the NZIA regulation on material circularity for PV modules;
- the current status of material recovery center management and future prospects;
- the evolution of disposal costs and impact on operators' costs;
- The challenges of collecting forms in the domestic and professional circuit.

Speakers

Valentina Negri, Head of Management, Cobat Raee

Cristian Gullino - Head of Research, Development and Innovation, Consorzio ERP Italia

Rosa Narcisi - Country Manager, PV CYCLE

WEDNESDAY 5
MARCH

14:30 -
17:00

Neri 2 Room, Hall
Sud

ForumTech
On-site & on-
demand event
[Click here](#)

ForumTech 2025: Technological Innovations in the Photovoltaic Industry. Plenary Session 2.2

organized by Italia Solare

The ForumTech 2025 brings together industry experts, researchers, academics, and professionals to discuss the latest innovations and future trends in the photovoltaic field. During the conference, participants will have the opportunity to explore new technologies, innovative materials, and advanced solutions to improve the efficiency and integration of photovoltaics into existing infrastructures.

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Program

AgriFV: from the PNRR call to implementations

Moderator

Marco Balzano, coordinator GdL AgriFV and PV in the territory, ITALIA SOLARE

Analysis of the results of the PNRR call for proposals - GSE

Practical examples of realizations and experiences of operators:

Pietro Ghidoni, President ECO The Photovoltaic Group

Enrico Meneghetti, CEO ESPE

Special session by CONFAGRICOLTURA and ITALIA SOLARE.

Agrivoltaics: contractual, legal, fiscal aspects in the relationship

The relationships between those who cultivate and those who produce energy are fundamental to the development of agrivoltaics. The different solutions that are also emerging in relation to the current regulatory framework will be addressed. A path directed to highlight the centrality of the agricultural enterprise in the management of land jointly with the production of electricity from agrivoltaic systems, so as to ensure the joint development of electricity production and agricultural continuity.

Introduction

Alessandro Bettoni, FNP Bioeconomy Confagricoltura president

Rolando Roberto, Vice-president ITALIA SOLARE

Marco Berardo Di Stefano, Circeo Solidarity Farm

Paolo Canonaco, FNP Bioeconomy Confagricoltura Component

Nicola Caputo, Director Fiscal Area Confagricoltura

Round Table

Moderator

Alberto Mazzoni, Vice-President Confagricoltura Forlì-Cesena and Rimini

Speakers

Michelangelo Lafronza, Secretary Anie Rinnovabili

Antonio Vincenzi, Coordinamento ufficio legale Confagricoltura

Emilio Sani, Coordinator GdL national and European legislation ITALIA SOLARE

Conclusions

Nicola Gherardi, Member of Confagricoltura Executive Board

* *Invited speaker pending confirmation*

WEDNESDAY 5
MARCH

14:45 -
16:30

Main Stage -
Cupola Lorenzo
Cagnoni, Hall Sud

Energy

Transition

*On-site & live
streaming event*

[Click here](#)

KEY ENERGY SUMMIT - ENGLISH LANGUAGE SESSION

Language: English

Program

Institutional Greetings

Corrado Arturo Peraboni, CEO Italian Exhibition Group

Introducer

Gianni Silvestrini, President of the Technical Scientific Committee KEY

Presentation by Alessandro Marangoni of the Althesys study.

“Decarbonization and competitiveness, from European policies to Italian industry.

Strategies for a sustainable energy transition aimed at growth.”

How to respond to the climate emergency and achieve decarbonization while supporting economic growth?

What does the new European guidance introduced with the Clean Industry Package mean for Italy?

How can the energy transition foster economic growth and social stability?

The purpose of the study is to analyze the role of industrial supply chains in the energy transition in Europe and Italy, assessing how they can contribute not only to decarbonizing the economic system, but also to strengthening its competitiveness in international markets. Although Italy is not a leader in the manufacturing of basic technologies for the transition, its presence in value chains is significant, thanks to its competitiveness in components and in specific market segments. Italy's industrial structure, as is well known, is characterized by small and medium-sized companies, which limits the economies of scale and investment capacity needed to emerge in the most innovative and capital intensive sectors. The report explores the challenges stemming from a “slow” economy, delays in digital and research, and the absence of a coherent industrial policy that knows how to exploit and expand existing skills.

The study highlights the conditions needed to develop a robust and competitive national supply chain, the regulatory, industrial and fiscal measures that can create an environment conducive to innovation and growth.

Ultimately, it aims to outline a national strategy that, by focusing on digitization, bureaucratization and support for innovation, will enable Italy to reduce the gap with leading countries, taking full advantage of the opportunities of the energy transition.

ENERGY TRANSITION SUMMIT

“The Associations' Proposals” Roundtables

Moderated by

Gianni Silvestini, KEY Technical Scientific Committee Chairperson
Alessandro Marangoni, Althesys

The Italian renewables industry in comparison

Gianni Vittorio Armani, ELECTRICITY FUTURE
Andrea Cristini, ANIE
Simone Togni, ANEV
Paolo Picco, FEDERIDROELETTICA
Paolo Rocco Viscontini, SOLAR ITALY

The future, between efficiency, rules and innovation

Giacomo Cantarella, ASSOESCO
Dario Di Santo, FIRE
Alberto Dossi, H2IT
Attilio Piattelli, FREE COORDINATION
Fabio Pressi, Motus-E

Concluding reflections

Paolo Arrigoni, GSE President
Carla Montesi, Director Green Deal and Digital Agenda at the Directorate General for International Partnerships European Commission
Gilberto Pichetto Fratin, Minister of the Environment and Energy Security

WEDNESDAY 5
MARCH

14:45 -
16:30

Main Stage -
Cupola Lorenzo
Cagnoni, Hall Sud

**Energy
Transition**

On-site & live
streaming event

[Click here](#)

KEY ENERGY SUMMIT

Language: Italian
Simultaneous translation: English

Program

Institutional Greetings

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Introducer

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Paolo Arrigoni, GSE President
 Carla Montesi, Director Green Deal and Digital Agenda at the Directorate General for International Partnerships European Commission
 On. Gilberto Pichetto Fratin, Minister of the Environment and Energy Security

WEDNESDAY 5
 MARCH

15:00 -
 16:30

Arena Encounters
 of Light, Pav. A1

**AIDI - Incontri di
 Luce**

On-site event
[Click here](#)

Light in cities as a tool for inclusiveness and innovation



Language: Italian

organized by AIDI

Light in urban regeneration no longer understood only for its functional role, but as a new dimension of living, the city as a place to meet and socialize, the transition from environmental to social sustainability. Art, design, architecture and, of course, light are key elements in ferrying the city toward the concept of a safe city.

Program

Moderator:
 Mariella Di Rao, director LUCE

Speakers:
 Alberto Ricci Petitoni, Lighting designer, I-dea srl
 Ivan Cotumaccio, Chief commercial officer, A2A Illuminazione Pubblica
 Alessandra Paruzzo, Head of Engineering - Smart Lighting, Iren Smart Solutions SpA
 Mauro Iualè, Commercial director Italia, GMR Enlights
 Antonio Zanetti, Specification manager & brand ambassador, GDS Lighting
 Marco Panieri, Mayor of Imola and President of ANCI Emilia Romagna
 Giovanni Calbo, Engineering & planning manager, City Green Light

WEDNESDAY 5
MARCH

16:00 -
18:00

Mimosa Room,
Pav. B6

EME - eMobility
On-site & on-
demand event
[Click here](#)

Transportation energy transition in light of European regulations: focus on hard-to-abate sectors

Language: Italian

organized by ENEA - Department of Energy Technologies and Renewable Sources in collaboration with Ecomondo

After introducing the European regulatory framework on the decarbonization of the transport sector in the medium and long term, the session will give space to the views of manufacturers and operators in those sectors for which the technological solutions to be relied on to achieve the EU energy transition goals are less delineated and more controversial. Typically, this is the case for medium- and long-distance heavy road transport, maritime transport, and air transport.

Session Chair

Maria Pia Valentini, ENEA

Program

Introduction and welcome

Maria Pia Valentini, ENEA

Hard-to-abate transport and the European Green Deal

Maria Lelli, ENEA - Laboratory of "Sustainable Mobility and Transport"

Development of national hydrogen mobility: ongoing projects and critical issues

Cristina Maggi, H2IT

Multi-carrier energy fleets in Public Transport: another revolutionary transition

Paolo Rapinesi, Autoguidovie S.p.A

The challenges of long-distance freight transport in the energy transition

Marco Aimo Boot, IVECO S.p.A.

Solutions for increasingly sustainable rail transport

Valter Alessandria, Business Development & Public Affair Director, Alstom

Technological strategies for the decarbonization of maritime transport: the W2F case

Paolo Guglia, Fincantieri S.p.A. and CTS Ecomondo

Discussion and Closure

Maria Pia Valentini, ENEA

WEDNESDAY 5
MARCH

16:30 -
18:00

Hydrogen Arena,
Pav. B3

**HYPE - Hydrogen
Power**

*On-site & on-
demand event*

[Click here](#)

Hydrogen Valleys Regional

Language: Italian

organized by National Energy Technology Cluster and ART-ER

The *Regional Hydrogen Valleys* workshop explores the role of Hydrogen Valleys in fostering sustainable territorial development and advancing Italy's energy transition. The event will focus on various regional green hydrogen supply chains that are either already operational or in the development phase. Structured as a talk, the session will bring together businesses and facilitators from different regional supply chains to present the current status of development, collaboration opportunities, key strengths, weaknesses, and potential synergies at the national level. The event aims to delve into the essential aspects required to initiate the hydrogen supply chain from a local territorial system perspective and provide insights into the potential of Hydrogen Valleys within the national framework.

This workshop will provide a unique opportunity for stakeholders to exchange ideas, explore collaborations, and contribute to the advancement of Hydrogen Valleys as key drivers of Italy's energy transition.

Program

Introduction and Welcome

Claudia Vivalda, CTNE

The Importance of Hydrogen Valleys for the Energy Transition

Stefania Crotta, Director General of Programs and Financial Incentives, Ministry of Environment and Energy Security

"Regional Hydrogen Valleys" – Challenges and Opportunities

A discussion among representatives of regional hydrogen valleys on their current development status, challenges, and opportunities.

Moderator:

Marco Manchisi, President of the Steering Committee of the National Technological Energy District

Speakers

Emilia-Romagna: Hydrogen Valley Sarmato - JMG Cranes - Maurizio Manzini

Lazio: Hydrogen Valley Civitavecchia - CFFT - Jack Czaplinski

Marche: H2F2 - Hydrogen Fanum Fortunae - TECHFEM - Federico Ferrini

Sardegna: SulkHy - SOTACARBO - Alberto Pettinau

Puglia: Hydrogen Valley Foggia - SISTEMI ENERGETICI - Marcello Salvatori

Lombardia: Hydrogen Valley Cairate - EXPAND - Lisa Manieri

Piemonte: Hydrogen Valley raffineria S. Martino di Trecate - SARPOM - Dario Campani

Sicilia: Hydrogen Valley Giammoro - DUFERCO - Luca Bonardi

Campania: Hydrogen Valley Acerra - ENGIE - Luca Valota

Liguria: Hydrogen Valley Liguria - AUTOTRASPORTI PENSIERO - Roberto Pensiero

Veneto: Hydrogen Valley Venezia - SAPIO-Veritas - Michela Capoccia

IPCEI: PGHyV - Puglia Green Hydrogen Valley - EDISON - Leonardo Mazza

Round Table Discussion: Collaborations, Synergies, and Future Prospects

Puglia Region: Head of Energy Transition Section - Francesco Corvace and Antonia Sasso

Emilia-Romagna Region: Head of Energy and Green Economy Area - Claudia Romano

Ministry of Environment and Energy Security (MASE): Director General of Programs and Financial Incentives - Stefania Crotta

Organized in Collaboration With the committee of Territorial Organizations of the National Technological Energy Cluster, including:

ART-ER Emilia-Romagna; Ass Cluster Energia Basilicata CEB ETS, Basilicata; Consorzio Coverfil Clima ed Energia, Veneto; Area Science Park, Friuli-Venezia-Giulia; CoSviG, Consorzio aree geotermiche, Toscana; DITNE, Distretto tecnologico energia, Puglia; Distretto Tecnologico Micro e Nano Sistemi, Sicilia; Environment Park, Piemonte; Hub Innovation Trentino-Fondazione, Trentino; Lombardy Energy Cleantech Cluster, Lombardia; Veneto Innovazione, Veneto; TICASS, Liguria; STRESS, Campania; Consorzio TRAIN; Venetian Green Building Cluster.

WEDNESDAY 5
MARCH

16:30 -
18:00

City&Mobility
Arena, Pav. A2

Sustainable City
On-site & on-
demand event
[Click here](#)

Artificial intelligence for energy and people services in the built environment

Language: Italian

organized by KEY Scientific Technical Committee

The event aims to showcase some innovative projects in energy and people services in the built environment based on Artificial Intelligence (AI). AI offers many opportunities, but also presents potential pitfalls. Experts in the field will therefore discuss the potential in the field and the spin-offs in both industrial and civil settings.

The talk will focus on the tangible impact of AI-based services, showing how optimization of energy and operational processes can reduce CO2 emissions and total energy consumption. Through the analysis of case studies, practical applications of AI in building energy management and personalized services for occupants will be demonstrated. Ethical aspects and best practices for optimal, responsible, and sustainable management of AI to maximize benefits and minimize emissions will also be addressed. Participants will have the opportunity to discover how these advanced technologies can transform the future of energy and improve living comfort, while balancing the environmental impact of AI itself.

Program

Introduction/Introduzione

Andrea Bernardelli, Squad Leader, Accenture SpA

Roundtable Discussion

Moderator

Gian Marco Revel, Marche Polytechnic University

Speakers

Diego Arnone, Engineering Informatica, Coordinator of the European projects DIGIBUILD and DEDALUS

Vittorio Piccinini, Chief Technology Officer, Lutech

Apragkathos Sotiris, SingularLogic, Coordinator of the European project CLIMRES

Lucio Ciabattini, Università Politecnica delle Marche, Founder and CEO of Revolt. Srl

Discussion and closure

WEDNESDAY 5
MARCH

16:30 -
18:00

Energy Transition
Arena, Pav. B2

**Cross-cutting
topics**

*On-site & on-
demand event*

[Click here](#)

Energy transition, an element of industrial development and employment

Language: Italian

organized by Coordinamento FREE

The energy transition is a key opportunity for a country's development. Investing in renewables and energy efficiency not only reduces CO2 emissions, but also creates jobs and stimulates technological innovation. In addition, diversification of energy sources increases energy independence and energy security. The energy transition promotes economic growth, attracting investment and improving international competitiveness. This profound change will produce a major employment impact through the creation of new green jobs related to the construction, maintenance, and operation of innovative facilities, and the necessary upskill and reskill training. In addition, the transition is an opportunity to develop domestic industrial supply chains. The transition also promotes better air and environmental quality, with positive impacts on public health. Finally, it promotes long-term sustainability, preserving resources for future generations.

Session Chairs

Livio de Santoli, Free Coordination

Program

Free Coordination Report Presentation

Livio de Santoli, Free Coordination

Sustainable transition: how the cost of energy uses will change

Alberto Gelmini - Energy System Research - RSE S.p.A.

The effects of the transition on energy prices

Stefano Besseghini, ARERA President

The environmental and health costs associated with fossil fuels

Stefano Laporta, ISPRA President

Transition and industrial development

G.B. Zorzoli, Free Coordination

Discussion and closing

WEDNESDAY 5
MARCH

17:00 -
17:30

Innovation Arena,
Pav. B4

**Innovation
District**

*On-site & on-
demand event*

[Click here](#)

The "Lorenzo Cagnoni" Award for Innovation

Language: Italian

organized by KEY – The Energy Transition Expo

Since the KEY 2024 edition, KEY has been organizing the Lorenzo Cagnoni Innovation Award, dedicated to the memory of the president of Italian Exhibition Group, the man who first believed in the KEY - The Energy Transition Expo project.

The award is given to the seven most innovative projects among exhibitors, one for each of the seven product sectors present at KEY, and to the three start-ups that will have distinguished themselves for their project.

This initiative is designed to reward those companies that for years have been committed to developing increasingly innovative products and offering cutting-edge services, thus contributing to the transition to the use of renewable energy in our country and around the world. The evaluation will be carried out by a committee composed of representatives from the event, the world of research, associations and industry.

Program

Moderator

Ylenia Totino, ANGI

Introduction and welcome

Awarding of the three most innovative start-ups among those present at the fair

Awarding of the 7 most innovative exhibiting companies for each product sector managed by KEY

Conclusions and photos

THURSDAY 6 MARCH

THURSDAY 6
MARCH

09:45 -
10:30

Su.Port Arena, Pav.
B3

Su.Port
On-site & on-
demand event
[Click here](#)

OCEaN and Med OCEaN: coalitions to reconcile offshore renewables and nature in European seas

Language: Italian

organized by AERO - Association of Offshore Renewable Energy

Integrated, effective and participatory maritime planning that identifies suitable areas for energy, nature and other uses, along with the use of non-price criteria on biodiversity protection in auctions, are key tools for the sustainability of offshore wind. These solutions require collaborations between different sectors, actors and expertise to find shared and targeted approaches. And that is precisely what we are doing with coalitions, OCEaN in the North Sea and Baltic, and with Med OCEaN in the Mediterranean, bringing together more than 50 NGOs, developers and grid operators.

Program

Introduction and welcome

Fulvio Mamone Capria, AERO President

Presentation "Med Ocean: the coalition to reconcile offshore renewables and nature in the Mediterranean"

Coalition of NGOs, wind industry and transmission system operators commit to work together for sustainable development of offshore wind and grids in the Mediterranean Sea and adjacent Atlantic waters.

THURSDAY 6
MARCH

09:45 -
11:30

Neri 2 Room, Hall
Sud

**KSE - Key
Storage**
On-site & on-
demand event
[Click here](#)

The New ANIE-RSE White Paper on Storage. New opportunities, what business models

Language: Italian

organized by ANIE and RSE SpA - Energy System Research

Stationary energy storage in electrochemical batteries is a fast-growing phenomenon, with thousands of MW installed in Italy and with forecasts of further ambitious goals. ANIE and RSE have for years played a role in observing technological, application and regulatory developments, which has resulted in the publication of a series of White Papers that have accompanied and analyzed the opportunities of this sector, which responds to clear needs for efficient management of the electricity system in transition. Despite this, the return on investment in storage systems is not always readily achievable, and new forms of remuneration must strike the best balance between achieving objectives and containing system costs. The fourth edition of the white paper is presented, which reports on analyses carried out on specific case studies among the most topical ones.

THURSDAY 6
MARCH

10:00 -
11:00

Main Stage -
Cupola Lorenzo
Cagnoni, Hall Sud

**Energy
Transition**

*On-site & live
streaming event*

[Click here](#)

QualEnergia Science shows up: science for energy from KEY25 Call for Papers

Language: Italian

organized by KEY - The Energy Transition Expo e QualEnergia Science

QualEnergia Science debuting at KEY - The Energy Transition Expo aims to connect the world of research with industry and institutions in the challenge of energy transition. It is a scientific spin-off of QualEnergia magazine, which was created to promote debate on innovations in the sector, offering high-level scientific research on renewables, efficiency and sustainability. The Call for Papers launched by KEY - The Energy Transition Expo for the magazine was a great success, with 89 submissions received and 28 studies selected on key topics such as offshore wind, hydrogen, digitization and sustainable finance and many others. The magazine will be distributed at the expo and searchable online, providing a unique opportunity for updates and discussion. It is a project of La Nuova Ecologia and Italian Exhibition Group (IEG), with contributions from experts in the field, and aims to be a scientific reference point to accompany the energy transition.

Program

Conducted and moderated by

Elena Comelli, Journalist Il Sole 24 Ore

Speakers

Giorgio Graditi, Director General ENEA - National Agency for New Technologies,
Energy and Sustainable Economic Development

G.B. Zorzoli, Past President Coordination Free

Alberto Sogni, EU & Industrial Proposal Manager, RSE SpA

Letizia Magaldi, Kyoto Club

Attilio Piattelli, President Coordinamento Free

Christian Previati, Exhibition Manager KEY

Volume presentation

Sergio Ferraris, Scientific Journalist, Director QualEnergia

Luca Biamonte, Director of External Relations and Editorial Communication Nuova
Ecologia

THURSDAY 6
MARCH

10:00 -
11:30

Future Arena, Pav.
D5

**EFFI - Energy
Efficiency**
*On-site & on-
demand event*
[Click here](#)

Energy Efficiency, Sports World as an engine of transition

Language: Italian

organized by Federesco - National Federation of ESCos

To raise awareness of the sector in view of the large investment that Italy is preparing regarding sports facilities, which were severely affected last year by the crisis and on which efficiency interventions are needed that would ensure reduction of costs in bills, energy savings and renewable energy production if there were spaces made available.

Federesco, together with sector operators, therefore aims to fuel the discussion and reason about possible solutions for the benefit of professionals, Public Administration and companies to encourage investments aimed at energy efficiency and make the sector become a driver for the issue.

Session Chair

Claudio Ferrari, President of Federesco

Program

Introduction and welcome

Claudio G. Ferrari, President of Federesco

The sports world and the challenge of decarbonization

Diego Nepi Molineris, CEO of Sport & Salute The energy situation in Italy

The GSE for sport

Paolo Arrigoni, GSE President

The CERs serving sports facilities - The SUN4U project

Patrick Maurelli, European Projects Manager - Federesco

The Italian energy situation

Antonio Pezzini, European Economic and Social Committee

Sports facilities in Italy, a powerful tool for transition

Ezio Ferrari, President AIS - Sports Facilities Association

Maximizing energy efficiency, the financial aspects to support it

Deborah Miccio, Head of Commercial and Marketing Direction, Istituto per il Credito Sportivo e Culturale

Conclusions

Federesco

THURSDAY 6
MARCH

10:00 -
11:45

Diotallevi 2 Room,
South Hall

**Cross-cutting
topics**

*On-site & on-
demand event*

[Click here](#)

IS ENERGY TRANSITION SUSTAINABLE? The cost-benefits of decarbonization and the consumer bill



Language: Italian

organized by Althesys

The uncertainties of the geopolitical scenario and the crisis of some European could affect on the possibility of achieving the EU's 2030 decarbonization objectives. The impacts on European industry and consumers are increasingly at the center of the debate, shifting attention from environmental benefits to social and economic costs. Despite the growing competitiveness of renewable sources and technological progress, energy prices in many European nations, Italy in the lead, remain high.

Electrification is growing slowly while the need for the electric system flexibility and adequacy will entail significant infrastructure investments, particularly in networks and storage. How can European and national policies be reshaped to achieve the objectives while limiting the economic, industrial and social impacts of decarbonization? What strategies can energy companies implement to support investments and at the same time lower the bill for consumers, both industrial and private?

Even in Italy, the system costs of the energy transition are at the center of the debate, both political and economic, also with respect to the various measures underway (FER2) or planned (FER-X, MACSE, capacity market, etc.). These are some of the key issues to be addressed with the involvement of all the actors to try to propose win-win solutions that make the transition sustainable.

Session Chair

Alessandro Marangoni, Althesys

Program

Introduction and welcome

The costs of decarbonization: is the energy transition sustainable?

Alessandro Marangoni, Althesys

The European framework, between decarbonization and competition

Raffaele Rossi, Head of Market Intelligence, Solar Power Europe

The competitiveness of renewables

Moderator

Antonio Junior Ruggiero, QualEnergia.it

Speakers

Salvatore Bernabei, Chief Executive Officer Enel Green Power

Luca Bragoli, ERG Institutional Affairs Director

Andrea Ghiselli, Managing Director EF Solare

Marco Peruzzi, Director of Institutional Affairs and Sustainability Edison

Nicola Miola, General Manager Centrica Business Solutions Italy

How to decouple gas and electricity prices?

Massimo Ricci, Arera Market Director

Policies, what should Italy do?*Moderator*

Antonio Junior Ruggiero, QualEnergia.it

Speakers

Paolo Arrigoni, President GSE

Gianni Vittorio Armani, President Elettricità Futura

Simone Togni, President ANEV

Discussion and closing

THURSDAY 6

MARCH

10:00 -

12:15

Ravezzi 1 Room,
South Hall

**Cross-cutting
topics**

*On-site & on-
demand event*

[Click here](#)

Accelerating sustainable electrification: the key to economic and social development on the African continent

Language: English

Simultaneous translation: French, Italian

organized by RES4Africa Foundation

In recent decades, Africa has made significant progress in reducing poverty, narrowing inequalities and expanding access to vital services, including electricity. However, progress is still short of what is needed to achieve the United Nations Sustainable Development Goals by 2030: Africa still faces numerous challenges. With a population expected to reach 2.5 billion by 2050, the continent will see an increase in demand for food, clean water, electricity, access to services and employment opportunities. To achieve this goal, Africa will have to address key energy challenges. Electrification, together with digitalization and the development of strategic professional skills, will therefore play a central role in driving the continent's energy demand.

Access to reliable, safe and affordable electricity is a prerequisite for the success of Africa's socio-economic transformation. With its vast natural resources and renewable energy endowments, the continent has the potential to become a major driver of a new global green industry. Along with the large-scale development of renewable energy sources, the modernization of electricity grids will form the backbone of future electricity systems and will be necessary for the integration of energy markets at regional and continental levels. Technological innovation in energy storage systems, green hydrogen and widespread digitalization will also play a significant role in the energy transition.

The success of Africa's sustainable electrification requires a systemic approach that encompasses all components of electricity systems and value chains.

Africa is therefore at a crucial crossroads in its quest for sustainable socio-economic development, with the urgency of accelerating economic growth, promoting job creation and ensuring universal access to energy.

Electricity is therefore a fundamental element of modern societies, indispensable in diverse applications ranging from lighting to transportation, from industrial processes to digital technologies.

The convergence of interests of governments and the private sector in supporting Africa-led growth and development will be a focal point discussed at the forum, along with a focus on best available technologies to accelerate the sustainable electrification of the African continent.

Programme

Opening Remarks

Roberto Vigotti, RES4Africa Secretary General

M. Moussa Dosso, General Secretary of Minister of Mines, Petrol and Energy

Teresa Ribera, Executive Vice-President for a Clean, Just and Competitive Transition

Panel 1 – Scaling Up investments for the sustainable electrification in Africa

Moderator

Andrea Bombardi, RINA - Vice President Global Market Development

Speakers

Paolo Ghezzi, Senior Renewable Energy Specialist European Investment Bank

Karim Guernoti, Chief of External Relations, CDER (Renewable Energy Development Center Algeria)

Gabriele Cassetti, Senior Researcher Energy Systems ECCO

Mattia Epifani, Senior Project Manager, Environment & Infrastructure DT Global-Europe

Paolo Perani, Sustainability Manager ABB

Panel 2 – Battery Energy Storage System (BESS) a key enabler for RE in Africa

Moderator

Antonio Nodari, AFRY Consulting - Vice President Head of Region Central and South Europe and Managing Director

Speakers

Franck Girard, Head of Global Energy Storage NIDEC ASI

Ali Kanzari, Chief Executive Officer Solar Energy Systems

Mouhcine Benmezziane, Head of the Cooperation, Communication and Technology Intelligence Department IRESEN

Rethabile Melamu, Chief Executive Officer SAPVIA, The South African Photovoltaic Industry Association

Simone Pasquini, Area Manager Africa CESI

Martina Serao, RES4Africa, International Relations Specialist

THURSDAY 6
MARCH

10:30 -
11:30

Arena Encounters
of Light, Pav. A1

**AIDI - Incontri di
Luce**

On-site event

[Click here](#)

Lighting of historic city centers

Language: Italian

organized by AIDI

“Wrong” lighting can betray the charm of a historic center. Create misleading visual effects, change the identity of streets, buildings, monuments, churches. Which is no small thing considering that our country is characterized by real urban treasures, envied by the whole world, which instead should be enhanced to the fullest.

Program

Moderator:

Mariella Di Rao, direttore LUCE

Speakers:

Laura Bellia, Professor at Federico II di Napoli University and President of AIDI

Margherita Suss, architect and lighting designer, GMS Studio Associato

Alessandro Marata, architect and professor at Università degli Studi di Bologna

Michele Bassi, commercial director Italia, Neri SpA

Matteo Seraceni, engineering and innovation manager, Hera Luce

Antonio Fronduti, Commercial Director Area Centro EDISON NEXT B2G

Sonny Giansante, Product Manager Revetec

THURSDAY 6
MARCH

11:00 -
13:00

Mimosa Room,
Pav. B6

**Cross-cutting
topics**

*On-site & on-
demand event*

[Click here](#)

Analysis of possible trajectories for the energy transition in Sardinia

Language: Italian

organized by Coordinamento Free

In recent years, Sardinia's energy transition has been the subject of various analyses that have led to the development of different scenarios, the result of processes led by institutions and practitioners. The reason for this increasing attention to Sardinia's energy transition depends both on historical circumstances, such as the absence of methane gas, and on the peculiar island context, which makes Sardinia's evolutionary trajectory paradigmatic (and anticipatory) of the energy transition that is affecting the whole country. The objective of this original study was to bring order to the various scenarios developed to date for the target year 2030, commenting on them qualitatively, and extrapolate desirable trajectories for an effective energy transition in Sardinia, with projections also to 2040 and 2050.

Presentation of the results of the study by the Milan Polytechnic.

Roundtable discussion with trade associations and institutional stakeholders to comment on the possible trajectories identified by the study.

Session Chairs

Attilio Piattelli, Free Coordination

Program

Presentation of the Report by Politecnico di Milano

*Roundtable discussion**Analysis of results and scenarios*

Maurizio Delfanti, Politecnico di Milano

Arturo Lorenzoni, University of Padua

Fabrizio Pilo, University of Cagliari

*Round table**Evaluation of the scenarios proposed by the Report*

President Free Coordination

President ECCO

President Future Electricity

Presindete Italian Biogas Consortium

President Italia Solare

Dialogue between:

Alessandra Todde*, President Sardinia Region

Attilio Piatteli, President Coordinamento Free

** Invited speaker, awaiting confirmation*

THURSDAY 6

MARCH

11:00 -

13:00

Energy Transition
Arena, Pav. B2**EFFI - Energy
Efficiency***On-site & on-
demand event*[Click here](#)

Energy Audits and Energy Management systems in the Energy Efficiency Directive and beyond

Language: English

Simultaneous translation: Italian

organized by ENEA - Energy Efficiency Unit Department

The event is developed within the context of the LEAPto11 project. LEAPto11 aims to support European Member States during the transposition and rollout phase of the new article 11 of the EED recast through a joint action of cooperation of their respective National Energy Agencies. LEAPto11 is coordinated by ENEA.

The meeting aims to:

- present to state of art of energy audits and energy management systems policies in 10 European Member States;
- start assessing the role of the implementation, at national level, of energy efficiency measures in national policies;
- present cases of success and discuss on possible failures in stepping from the current energy audit and EnMS provisions to the new ones;
- gather insights from participant stakeholders in terms of expectations, needs, foreseen barriers on the Industry and SME-related topics in the Recast EED.

Program

Introduction

Enrico Biele, ENEA

Tracking Energy Efficiency Measures: how 10 European Countries collect data from Audits and Energy management systems

Claudia Toro, ENEA

Energy audits and EnMS under the EED article 8 implementation in Germany

Daniel Vallentin, dena

ENEA's support to stakeholders in the context of article 8 EED

Marcello Salvio, ENEA

Round Table

New Energy Efficiency Directive: challenges and opportunities in the Italian Energy audit obligation scheme

Moderator

Enrico Biele, ENEA

Speakers

Antonio Beneduce, AssoESCo

Antonio Panvini, CTI

Enrico D'Aurelio, ASSOEGE

Conclusion

Marcello Salvio, ENEA

THURSDAY 6
MARCH

11:30 -
13:00

Ravezzi 2 Room,
South Hall

Sustainable City
On-site & on-
demand event
[Click here](#)

Decoding the nexus between energy efficient renovations and safeguarding access to affordable housing

Language: English

Simultaneous translation: Italian

organized by C40, KEY Scientific Technical Committee, Marche Polytechnic University

The buildings sector is a crucial sector to tackle greenhouse emissions. Buildings were responsible for 34% of EU energy related emissions in 2022 but their potential for cutting emissions remains untapped. At present, three quarters of the EU's buildings have poor energy performance, with less than 1 percent of the building stock being deeply renovated each year.

The Energy Performance of Buildings Directive (EPBD) was updated and recently entered into force. Member States need now to implement the new rules deriving from the European legislation at the national level. These include provisions on energy performance standards, one stop shops, zero emissions buildings and trajectories for improving the energy performance of residential buildings.

At the same time, access to housing, especially for vulnerable groups, is becoming a critical issue for countries worldwide. In Europe, housing affordability is one of the most prominent topics in local and national debates.

It is crucial to ensure that the solutions applied for the transformation of the building stock for reducing operational and embodied emissions are combined with complementary measures to safeguard people's right to affordable housing. This is critical because lower-income groups are those least responsible for climate change, while they could benefit most from retrofit measures and the move away from volatile fossil fuels. However, they are also those most at risk of not being able to afford the additional capital costs needed to meet the EPBD requirements.

The appointment of the new Commissioner for Energy and Housing and the upcoming publication of a first ever European Affordable Housing Plan, which will also include a Strategy for Housing Construction is a great opportunity to leverage solutions that transform the building stock in view of the climate crisis combined with measures to safeguard people's right to affordable housing. In this process, it will be key to address the role of cities and ensure that their experience and views are fully considered when designing and implementing the relevant European and national policies.

As the closest form of government to the residents, local governments can implement together with local stakeholders the most targeted and appropriate solutions that address multiple crises. In the case of the building sector and the housing crisis, they do not only hold most of the building stock but also have the power to take significant actions to improve the comfort and the efficiency of buildings for residents.

In this context, this event aims to:

- Contribute to better understanding of the EPBD's risks and opportunities as well as of policy options and solutions available to jointly address the energy performance of buildings and housing affordability in Europe.
- Gain insights into potential recommendations on the nexus of the implementation of renovations, clean construction and safeguarding access to affordable housing in an integrated way
- Promote the cities priorities also in view of the new European Affordable Housing Plan

Program

Welcome

Prof. Ing. Gian Marco Revel, Deputy Rector for European Research, Università Politecnica delle Marche

Keynote remarks

An overview of upcoming initiatives from the European Commission
Serena Pontoglio, Team Leader, Buildings Policy and Renovation Wave, DG ENER, European Commission

An overview of the state of European buildings and the implications for housing affordability

Mariangiola Fabbri, Head of Research and Strategic Innovation

Sharing European perspectives on the nexus of speeding up energy efficient renovations and safeguarding access to affordable housing

A high level discussion on harnessing the opportunities that could come when dealing with accelerating renovations and planning for access to affordable housing and elaborating on the role of the cities in implementing inclusive policy measures on the ground. The discussion will be followed by Q&As from the audience

Moderator

Irene Skoula, C40 Cities Director Energy and Buildings

Speakers

Andrea Tobia Zevi, Deputy Mayor of Rome for Heritage and Housing, Italy

Mariangiola Fabbri, Head of Research and Strategic Innovation

Chrysogelos Nikos, Deputy Mayor of Athens for Climate Governance and Social Economy

Concluding remarks

Prof. Ing. Gian Marco Revel, Deputy Rector for European Research, Università Politecnica delle Marche

THURSDAY 6
MARCH

11:30 -
13:00

Neri 1 Room, Hall
Sud

**Cross-cutting
topics**

*On-site & on-
demand event*

[Click here](#)

Renewable Energy Communities (RECs): the new opportunities for territory.

Language: Italian

organized by GSE – Gestore Servizi Energetici

The event will be a moment of in-depth and discussion on new opportunities for territory, related to the development of Renewable Energy Communities. Moreover, the MASE initiative, in collaboration with Renael, will also be presented to raise awareness of renewable energy and energy upgrading in the territories, with a particular focus on RECs.

Section Chairs

Paolo Arrigoni, President, GSE

Program

Moderator

Roberta Amoruso, Il Messaggero

Introduction

Paolo Arrigoni, President, GSE

The new energy model of RECs and NRRP (National Recovery and Resilience Plan) measures

Stefania Crotta, General Director for Programs and Financial Incentives (PIF), Ministry of Environment and Energy Security

Simplified procedures for eligibility to incentives

Luca Barberis, Director Renewable Sources, GSE

The experience of the Municipality of Fossalto

Saverio Nonno, Mayor

Luca Di Domenico, Member of the Scientific Committee of the REC

ONE STOP SHOP, the operational offices are set up on national territory

Benedetta Brighenti, General Director, RENAEL

Conclusion

Vinicio Vigilante, CEO GSE

THURSDAY 6

MARCH

11:30 -

13:00

Hydrogen Arena,
Pav. B3

**HYPE - Hydrogen
Power**

*On-site & on-
demand event*

[Click here](#)

Integrating sustainable energy carriers into the airport logistics chain: the SAVES project

Language: Italian

organized by ENEA - Department of Energy Technologies and Renewable Sources

To achieve the decarbonization goals in the aviation sector, adequate airport infrastructures capable of supporting the energy transition will be needed. The SAVES project, launched by ENAC and ENEA, saw the selection of concept notes from Aeroporti di Roma and SEA Milan Airports to analyze the potential integration of green hydrogen and Sustainable Aviation Fuel (SAF) into the airport logistics chain. Airports, like complex ecosystems, can lead the way for circular management of green energy carriers, integrated with the surrounding territories and communities. This session will present the results of the concrete studies conducted at Rome Fiumicino and Milan Malpensa airports, highlighting actions, the necessary support measures still required, and some additional potential regulatory implementations aimed at promoting the long-term economic sustainability of project initiatives focused on introducing these energy carriers into the airport logistics chain

Section Chairs

Viviana Cigolotti, ENEA

Leonardo Maria Triaca, ENAC

Programme

Welcome

Viviana Cigolotti, ENEA

The SAVES project

Leonardo Maria Triaca, ENAC

Introduction of Sustainable Aviation Fuels (SAF) and Hydrogen in Milano Malpensa Airport

Giorgio Medici, SEA

Introduction of Sustainable Aviation Fuels (SAF) and Hydrogen in Roma -Fiumicino Airport

Giampiero Goretti, ADR

*Conclusion**Actions and initiatives for long term sustainability of the energy transition in an airport environment*

THURSDAY 6

MARCH

11:30 -

13:00

Diotallevi 1 Room,
South Hall**WEM – Wind
Expo for Med***On-site & on-
demand event*[Click here](#)

Ports serving offshore wind for the growth and development of renewables from the sea

Language: Italian

organized by AERO - Association of Offshore Renewable Energy

The year 2025 represents a crucial opportunity for the offshore renewable energy sector to initiate, in Italy, the construction of strategic infrastructure, which is fundamental for the support and implementation of the related projects. This will allow our country to establish itself in the Mediterranean as an international platform for the development of this sector. Offshore wind and solar will make a major contribution to achieving the European Union's ambitious decarbonization goals. The development of shipbuilding and the adaptation of ports for the construction and assembly of wind turbines will strengthen the technological supply chain of renewables from the sea, representing a unique opportunity for sustainable industrial growth and for the reconversion of strategic assets currently in great difficulty.

Session Chair

Fulvio Mamone Capria, President AERO

Program

Introduction and welcome

Fulvio Mamone Capria, President AERO

Moderator

Romina Maurizi, Quotidiano Energia *

Speakers

Marilena Barbaro, Director General of the Directorate for Energy Sources and Enabling Titles Of the Ministry of the Environment and Energy Security

Roberto Settembrini, Secretary General ADSP of the Ionian Sea

Franco D'Alpa, Director ADSP of the Eastern Sicily Sea

Alessandro Concialini, SVP Floating Offshore Wind, Fincantieri

Teresa Guzzo, Head of Offshore Wind Business Development, Saipem *

William Munzone, CEO MSC Sicilia

Pietro Coniglio, Managing Director ISLA Italian Shipping & Logistics Agency

Paolo Grilli, Dynamic Cable System Design Engineer, Prysmian Group

Alessandro Miotti, Head of Business Development for South Europe, Siemens Energy

**Invited speakers awaiting confirmation*

THURSDAY 6
MARCH

11:30 -
13:30

City&Mobility
Arena, Pav. A2

EME - eMobility
On-site & on-
demand event
[Click here](#)

Charging network in 2025, where do we stand

Language: Italian

organized by Anie, Motus-E

In light of the results of the PNRR calls for proposals dedicated to charging stations, almost a year after the publication of the AFIR regulation and with a new EU Commission that will review the commitments and targets of the Member States, the panel aims to deepen the progress of the Italian charging infrastructure with the main players in the world of electric mobility.

What are the technologies that are gaining ground? How many and which vehicles will be served by the public and private charging network? What are the key variables of this business, also to constantly improve customer service? These are just some of the questions that will guide the debate, with institutions, companies and industry associations as protagonists.

Program

Moderator

Romina Maurizi, Editor-in-Chief, Energy Daily

Introduction and welcome

Francesco Naso, Secretary General of Motus-E

Omar Imberti, Coordinator E-Mobility Anie

The point of the institutions

Stefania Crotta, Director General Programs and Financial Incentives of Mase

Michele Benini, Director of the Energy Systems Development department of RSE

Mario Spagnoli, Head of Sustainable Mobility

The point of CPOs

Simone Tripepi, Head of Charging Point Operator and CEO of Enel X Way Italy

Daniela Biscarini, CEO Ewiva

Elena Airoidi, Country Manager Italy & Iberia IONITY GmbH

The point of infrastructure builders

Matteo Lazzari, Product Market Manager, ABB

Davide Spazian, Sales Italian Director EV Chargers, Ingeteam

Andrea Caviglia, Head of eMobility Global Product Management, NIDEC ASI

THURSDAY 6
MARCH

11:30 -
13:30

Efficiency Arena,
Pav. A4

**EFFI - Energy
Efficiency**
*On-site & on-
demand event*
[Click here](#)

Demand-side flexibility: a resource for transmission and distribution system operators

Language: Italian

organized by SmartEn - Smart Energy Europe

The energy and digital transition requires a change in the modus operandi of grids in Italy and Europe. Although it is important to invest in renewing and expanding electricity grids in light of increased electrification, using the flexibility of connected consumers is crucial. In Europe by 2030, up to 30 billion/year could be saved if the flexibility of consumers connected to distribution grids were enabled, and about 600 million would be savings in balancing markets if demand resources could participate without the current restrictions. This requires establishing Local Flexibility Markets, opening Ancillary Services and Balancing Markets to consumers and aggregators, and horizontal and vertical cooperation among system operators.

The objectives of this conference are:

- to outline a comparative European view of this evolution, for the benefit of both network operators and consumers;
- to highlight the criticisms in the current Italian context; and to
- present success stories in Europe of cooperation between market operators representing the “Flexibility Demand Management Industry” and network operators.

Program

Welcome and introduction

Michael Villa, Executive Director, smartEn

Panel Europe

Enrico Montalto, Technical Account Manager Flexcity

Gianluca Corbellini, CEO Hive Power

Ciro Lanzetta, i-EM

Marco Gandolfo, Commercial Manager, Piclo

Panel Italia

Roberto Pezzoli, Demand Response Manager EPQ, Dolomiti Energia

Serena Cianotti, Senior Engineer E-Distribuzione (EDGE project)

Antonio Tripodi, Head of Flexibility Italy, Enel X Italy

Tommaso De Marco, Innovation and Strategy Project Manager, Terna

Giulio Troncarelli, Founder e CEO EOT - Il Progetto D2FX (MASE, IEA , UNEP)

Conclusions

Michael Villa, Executive Director smartEn

THURSDAY 6
MARCH

14:00 -
15:30

Hydrogen Arena,
Pav. B3

**HYPE - Hydrogen
Power**

*On-site & on-
demand event*

[Click here](#)

Sustainability of energy technologies: what are the environmental, economic and social impacts? Focus on renewable fuels of non-biological origin

Language: Italian

organized by ENEA - Department of Energy Technologies and Renewable Sources

The sustainability of energy technologies is crucial for shaping energy policies that support the transition to a zero-emission energy system. Defining criteria and methods to assess environmental, economic, and social impacts and applying them to technological development is essential. This session begins by showcasing ENEA's ongoing activities at the European level concerning the sustainability of renewable fuels of non-biological origin (RFNBO). Following this, two key speakers will address the social dimensions of the energy transition and the current European policy framework for RFNBO. The session concludes with a panel discussion on the sustainability of RFNBOs, featuring perspectives from legislators, researchers, and industry representatives on recent policy developments and measures to enable the large-scale deployment of hydrogen and other non-biological energy carriers.

Section Chairs

Alessandro Agostini, ENEA

Giuseppe Pellegrini Masini (ENEA)

Programme

Introduction and welcome

EU projects pitches

Biomethaverse: innovative synthetic methane production pathways in biogas plants

Stefano Proietti, ISINNOVA

HyPEF: Hydrogen and Fuel Cells Product Environmental Footprints

Alessandra Zamagni, Ecoinnovazione

NHyRA: hydrogen emission

Matteo Robino, SNAM

AMIGDALA: EU pathways for circular, climate neutral and competitive industries

Livio De Chicchis, ENEA SISTEN

Key speeches

RNFBO in EU legislation

Marco Buffi, European Commission, JRC

The social dimensions of the energy transition

Dario Padovan, Università di Torino

Round Table

Discussion and Closure

THURSDAY 6
MARCH

14:00 -
15:30

Neri 1 Room, Hall
Sud

**Cross-cutting
topics**

*On-site & on-
demand event*

[Click here](#)

Labyrinth 2.0 - the regulatory framework for electricity sector transition

Language: Italian

organized by Elettricità Futura

The electricity sector is at the center of the decarbonization process and plays a key role in the transition to a more secure and sustainable energy system. On the one hand, it is called upon to transform energy production, replacing fossil fuels with clean sources. On the other, it must foster the electrification of sectors hitherto dominated by other energy carriers, such as transportation and heating. In this context, the challenge is to ensure that renewable energy and new electrical applications are both competitive and affordable.

This transition is a collective challenge, which can only be addressed through coordinated efforts between the electricity sector and all stakeholders: institutions, businesses, investors, and citizens. It is not just a matter of rebalancing production and demand, but of innovating the entire supply chain: from generation to transmission, distribution to storage and consumption. Fundamental to this process is investment in research and development, directed by a strategy aimed at supporting clean technologies in which Italy and Europe can excel. Focusing on clean technologies not only accelerates the energy transition, but creates new opportunities for growth and employment.

As also highlighted by the European Commission's Competitiveness Compass, transformation must take place sustainably in three aspects: environmental, industrial (competitiveness) and social (energy acceptance and accessibility). This implies careful management of cost allocation and promotion of investment.

In the past two years, the Italian electricity sector has accelerated decarbonization through the growth of new renewable installations and the consolidation of the role of hydropower. In parallel, grids, industrial electrification technologies and transportation have generated new development opportunities, fostering the emergence of Italian supply chains in services and manufacturing. In addition, innovative solutions such as agri-voltaics are creating new synergies between different sectors.

In order to keep pace with decarbonization goals, address competitiveness challenges, and seize the full potential of the energy transition, it is essential to identify and implement the most effective measures in the short term. Among these, optimizing existing plants through repowering, developing the agriculture-energy pair, and implementing technologies to reduce emissions in hard-to-abate sectors represent key levers for accelerating decarbonization in Italy and Europe.

The conference organized by Elettricità Futura, scheduled for Thursday, March 6, at the Key Fair, will bring together institutions, associations and companies in the electricity sector to explore these issues and discuss the challenges and opportunities of the transition.

Program

Opening remarks and introduction

Gianni Vittorio Armani, President Elettricità Futura

Roundtable discussion

Concrete measures to accelerate decarbonization

Giuseppe Argirò, Chief Executive Officer CVA Group

Guido Bortoni, President CESI

Michele De Censi, Chief Executive Officer Sorgenia

Paolo Arrigoni, Chairman Gestore dei Servizi Energetici

Renato Mazzoncini, Chief Executive Officer A2A

Conclusions

Federico Boschi, Head of Energy Department MASE

THURSDAY 6

MARCH

14:00 -

15:45

Energy Transition
Arena, Pav. B2

**EFFI - Energy
Efficiency**

*On-site & on-
demand event*

[Click here](#)

Building upgrading and the process of decarbonization of enterprises: challenges and opportunities of the ongoing transition

Language: Italian

organized by AssoESCO

The conference will be structured into two main sessions, aimed at addressing the challenges and opportunities of Italy's energy transition.

The first session will focus on the major challenge of renovating Italy's building stock. This includes examining national objectives, updating support mechanisms, and discussing operational methods for energy renovation projects, including typical contractual models of ESCo (Energy Service Companies). The session will conclude with a roundtable involving institutional stakeholders.

The second session will address the decarbonization path for companies. This path, already outlined by European and national guidelines, is increasingly defined by regulatory developments, creating new implications and opportunities for companies. A roundtable with institutional stakeholders will follow.

Program

14.00 - Introduction and greetings

Giacomo Cantarella, President AssoESCO

14.05 - More sustainable and efficient buildings: the solutions offered by ESCo

Introduces

Michele Perotti, Direttore R&A Unit Mobilità Sostenibile e Efficienza Energetica AGICI

Moderator

Francesco Ricciardi, Vicepresidente AssoESCO

Speakers

Ilaria Bertini, Direttrice Dipartimento Efficienza energetica ENEA

Dario Di Santo, Direttore FIRE

Giada Maio, Responsabile Ufficio Energia, Mobilità sostenibile e Trasporto Pubblico Locale ANCI

Enrico Zanetti, Consigliere del Ministro dell'economia e delle finanze

14.50 - ESCo at the heart of the process of decarbonization of companies

Introduces

Michele Perotti, Direttore R&A Unit Mobilità Sostenibile e Efficienza Energetica AGICI

Moderator

Gianluca Pomo, Vicepresidente AssoESCO

Speakers

Andrea Galliani, Direttore Direzione Mercati Energia ARERA

Antonio Sclafani, Direzione generale Domanda ed efficienza energetica MASE

Raffaele Spallone, Responsabile Politica per la digitalizzazione delle imprese, l'innovazione e l'analisi dei settori produttivi MiMIT

Davide Valenzano, Responsabile Unità Affari Regolatori GSE

15.30 - Conclusions

Giacomo Cantarella, Presidente AssoESCO

THURSDAY 6
MARCH

14:00 -
16:00

Mimosa Room,
Pav. B6

**Cross-cutting
topics**

*On-site & on-
demand event*

[Click here](#)

Scacco Matto alle Rinnovabili 2025



Language: Italian

organized by Legambiente

The National Energy & Climate Plan (PNIEC) and government policies don't seem to believe in a 100% renewable future, which nevertheless is feasible according to many scenarios. While Commissions ad hoc on false solutions such as nuclear and CCS or extensions of turbines and regassification plants continue to be approved, renewables are increasing too slowly with respect to the targets set by the National Energy & Climate Plan and the Suitable Areas Decree (Decreto Aree Idonee). Precisely thanks to this decree, Italian Regions will be playing an essential role in delivering at least 8 GW of new renewable capacity, but which will be the energy future of our Country torn between obstructing regional and national regulation on the one side and thousands of projects awaiting assessment on the other? Which obstacles should be overcome in order to achieve the targets of renewable development in the next 5 years?

Session Chairs

Francesco Loiacono, Director La Nuova Ecologia

Katiuscia Eroe, Head of Energy Unit Legambiente

Program

Presentation of the report by Legambiente

SCACCO MATTO ALLE RINNOVABILI 2025

The stories that are emblematic of the blockade to renewables and the Observatory of Suitable Areas

Discussion

Massimiliano Atelli, Chairman of the PNIEC - PNRR Commission

Simona Brancaccio, Head of the special Department Environmental Assessments of the Campania Region

Francesca De Falco, Manager of the UOD Energy, energy efficiency and energy saving, Green Economy and Bioeconomy of the Department of Productive Activities of the Campania region

Fabrizio Penna, Head of Department Mission Unit for the PNRR

Attilio Piattelli, Coordinamento Free

Agostino Re Rebaudengo, President of Asja Energy SBRL

Emilio Sani, Italia Solare

Massimo Satta, Mayor of Buddusò

Simone Togni, Chairman Anev (Italian Wind Energy Association)

Valentino Vivo, CEO Greenergy

Closing remarks

Stefano Ciafani, Chairman Legambiente

* *Speaker to be confirmed*

THURSDAY 6

MARCH

14:15 -

16:00

Diotallevi 1 Room,
South Hall

**Cross-cutting
topics**

*On-site & on-
demand event*

[Click here](#)

Nuclear: can it be a challenge for the future in Italy? Comparing technological and economic perspectives

Language: Italian

organized by KEY Technical Scientific Committee

As interest grows on the hypothesis of reviving the nuclear option in Italy, KEY's Technical Scientific Committee is organizing an event to allow a useful opportunity for discussion on this issue. The debate will be attended by experts who see the revival of nuclear power as an opportunity to manage an electricity system with a high contribution of renewables, in a context of renewed international attention on this option.

Also present will be representatives of institutions and exponents who criticize from an economic and timing point of view this choice, pointing to other solutions (demand-side governance, interconnections, long-term storage) to manage the rapid growth of solar and wind power expected in 2050.

Programme

Moderator

Elena Comelli, Journalist Il Sole 24 Ore

Speakers

Nicola Ippolito, Ministry of the Environment and Energy Security

Franco Cotana, CEO RSE - Ricerca sul Sistema Energetico

Gianni Silvestrini, Chairman of the Technical Scientific Committee of KEY

Giovan Battista Zorzoli, Past President of Coordinamento Free, member of the CTS of Italia Solare

Giuseppe Onufrio, Director Greenpeace Italy

Antonio Nodari, Vice President AFRY Management Consulting

Alessandro Dodaro, Director, NUClear Department, ENEA

THURSDAY 6
MARCH

14:15 -
16:00

Main Stage -
Cupola Lorenzo
Cagnoni, Hall Sud

**Cross-cutting
topics**

*On-site & live
streaming event*
[Click here](#)

CIRO ROADSHOW

The first database with all data from Italian regions on climate and transition

Language: Italian

organized by Italy for Climate

Italian regions play a key role in the energy and climate transition, contributing to national goals. This year, Italy for Climate will present CIRO 2025, the evolution of the first database dedicated to the climate and energy performance of Italian regions, developed in collaboration with ISPRA.

Originally launched in 2024 and part of the SISTAN (National Statistical System), the updated database includes 26 indicators across eight thematic areas, providing up-to-date data on the performance of Italy's 20 regions, highlighting trends and best practices.

The event will provide an opportunity to analyze results, foster dialogue between institutions, local authorities, and businesses, and strengthen decarbonization strategies at the regional level.

[Italy For Climate](#) [Database CIRO](#)

Program

Moderation and opening remarks
Chiara Giallonardo, Journalist RAI

Opening
Fabrizio Penna, PNRR Department Head, Ministry of Environment and Energy Security *
Luca Vecchi, Chief of Cabinet of the President of the Council, Emilia-Romagna Region *

THE IMPORTANCE OF LOCAL ACTION TO ACHIEVE DECARBONIZATION GOALS
Edo Ronchi, President, Sustainable Development Foundation

PRESENTATION OF THE CIRO 2025 DATABASE

Knowledge for Governance: The Role of Data in Decarbonization
Valeria Frittelloni, Director, Department of Evaluation, Controls and Environmental Sustainability, ISPRA

Meet CIRO! Introduction to the 2025 Edition
Andrea Barbabella, Scientific Director, Italy for Climate

SECTORAL PERFORMANCES & CHALLENGES FOR ITALIAN REGIONS

Sectoral introduction by Italy for Climate

Serena Triggiani, Councillor for Environment, Puglia Region
 Silvia Arlanch, President Dolomiti Energia Group
 Fabio Scoccimarro, Councillor for Environment, Friuli Venezia Giulia Region
 Giuseppina Gualtieri, President & CEO TPER
 Roberto Sancinelli, President Montello Spa

**to be confirmed*

THURSDAY 6
 MARCH

14:30 -
 16:00

Su.Port Arena, Pav.
 B3

Su.Port
 On-site & on-
 demand event
[Click here](#)

Permitting in offshore renewable energy projects: from challenges to best practices

Language: Italian

organized by AERO - Association of Offshore Renewable Energy

At this conference, dedicated to the topic of Environmental Impact Assessment (EIA), we will explore how, when faced with complex project challenges, it is possible to implement positive experiences that promote a balance between energy production, environmental protection and landscape preservation. At the round table, we will have the pleasure of hosting the referees of the EIAs already obtained and those who have received positive opinions from the Ministry of Environment and Energy Security (MASE), underscoring the importance of the crucial role that the ministries involved play in guiding and validating strategic choices for the sustainable development of the energy sector. This meeting will therefore provide an overview of best practices and future prospects in the field of offshore renewable energy with a focus on environmental permitting procedures

Program

Speakers

Massimiliano Atelli, President Comm. Via Pnrr Pniec - Ministry of Environment and Energy Security

Luigi La Rocca, Special Superintendent Pnrr - Mic *

Gian Luca Vaglio, Coo Agnes

Michele Schiavone, Project Ceo 7 Seas Med

Francesco Dolzani, Business Development Director Galileo

Gabriele Felappi, Energy Wind 2020

** Invited speakers pending confirmation*

THURSDAY 6
MARCH

14:30 -
16:00

Diotallevi 2 Room,
South Hall

**EFFI - Energy
Efficiency**
*On-site & on-
demand event*
[Click here](#)

Measurement and verification of energy savings

Language: Italian

organized by FIRE - Italian Federation for the Rational Use of Energy

Measurement and Verification (M&V) is the key tool for quantifying the results of measures to improve energy efficiency, reduce emissions and use of resources. Whether it is buildings, industries or services, whether it is a single self-financed energy efficiency measure or a set of complex measures in an energy performance (EPC) with third-party financing, M&V allows you to robustly demonstrate the results obtained, evaluate the effectiveness of implemented measures, optimize all phases from design to operation and reduce risks. In this workshop, we will explore the methodologies and practical applications of M&V in various sectors. You will discover how M&V can help you achieve your sustainability and energy efficiency improvement goals.

The conference will show the Measurement and Verification through various applications to energy efficiency and renewables. Measurement and Verification is the activity that enables to evaluate performance improvements, usually applied to energy efficiency, for example in energy performance contracts, but can also be effectively used in other areas and to support renewables and decarbonisation.

Session Chair

Daniele Forni, FIRE

Program

Greetings and introduction

Daniele Forni, FIRE

Industrial M&V

Roberto Savoldelli, EGE

M&V in an EPC

Alessio Cividini, PMVA

Sustainability M&V

Federica Ariaudo, EGE

*M&V and demand flexibility **

Rajvant Nijjhar, PMVE

Q&A

Conclusion

THURSDAY 6
MARCH

14:30 -
16:00

City&Mobility
Arena, Pav. A2

Sustainable City
On-site & on-
demand event
[Click here](#)

EPBD is already here. Good practices in sustainable construction

Language: Italian

organized by KEY Technical Scientific Committee, GBC Italy and Kyoto Club

EPBD IV, known to many as the “Green Homes Directive,” has triggered a contentious debate about the environmental and economic benefits related to its applicability.

In reality, there are a variety of examples of buildings, of different sizes and uses, that are already substantially in line with what the new version of the directive requires. The conference, through the analysis of case studies and good practices, aims to highlight how the knowledge and proper use of certain tools allow to achieve the energy-environmental goals set by the directive while enhancing the value of the work, and to give a hint on how some points of EPBD IV can be implemented on a national scale.

Session Chairs

Gian Marco Revel, Polytechnic University of Marche and CTS member of KEY
Marco Caffi, Green Building Council Italy and CTS member of KEY

Program

Introduction and welcome

From zero energy to zero emissions: measuring building emissions, towards a proposal for a national methodology

Roberto Giordano, Politecnico di Torino

Green houses: the state of affairs and regeneration on an urban scale

Cosimo Marinosci, ART-ER Emilia Romagna

Designing, building and certifying sustainable residential construction for all: the case of the Green City in Rome

Alessandro Guglielmi, Città Verde

Clementina Taliento, Head of our press and communications office, Kyoto Club

Discussion and closing

THURSDAY 6
MARCH

14:30 -
16:00

Tiglio Room, Pav.
A6

EME - eMobility
On-site & on-
demand event
[Click here](#)

Roadshow "Innovation and the Market: The Automotive Ecosystem Between National Data and Local Insights

Language: Italian

organized by TEA Observatory, Motus-E, Ca' Foscari, CNR Ircres

In 2025, the Observatory on the Transformation of the Automotive Ecosystem proposes to organize a territorial roadshow and identifies Key 2025 as a key meeting point to bring together in a discussion on the evidence regarding investment, risk perception, worker training, technology trends, and state support needs gathered by the Observatory on Italian territories.

Program

Institutional Greetings

Francesco Zirpoli, Director of the TEA Observatory and Full Professor Ca' Foscari University of Venice

Irene Priolo, Councillor for the Environment, Territorial Planning, Mobility and Transport, Infrastructure

Context Analysis and Survey Results. Where we are and where we are going: current scenarios and future prospects

Giuseppe Calabrese, TEA Observatory Scientific Officer and CNR IRCrES Researcher
Matteo Rinaldini, Associate Professor University of Modena and Reggio Emilia

Dialogue with Institutions. Policies and tools for technological transition and opportunities for the productive sector

Paola De Micheli, Vice President of the 10th Commission of the Chamber of Deputies.

Beatriz Colombo, Member of the X Commission

Gabriele Marzano, Head of integration of employment policies and interventions for innovation Emilia-Romagna Region

Sustainability and competitiveness: new challenges for local businesses

Marco Righi, CEO & Founder Flash Battery

Enrico Dente, Director Motor Valley Accelerator

Francesco Leali, Full Professor University of Modena and Reggio Emilia and Member delegated to scientific coordination of the Board of Directors of the MUNER Association - Motorvehicle University of Emilia-Romagna

THURSDAY 6
MARCH

14:30 -
16:00

Efficiency Arena,
Pav. A4

**EFFI - Energy
Efficiency**
*On-site & on-
demand event*
[Click here](#)

Net Zero goal: electrification and industrialization for the deep renovation of buildings

Language: Italian

organized by Edera

In order to provide everyone with the possibility of renovating their buildings and decarbonizing them by 2050, it is necessary to develop and make available solutions that can be applied on a large scale with a progressive decrease of costs. It is therefore necessary to put in place a strategy for the industrial development of the construction sector.

The conference aims to draw attention on off-site solutions and electrification of final consumption being the most effective ways of achieving Net Zero goal to date, as demonstrated by the case studies that will be illustrated during the event.

Program

Introduces and moderates

Thomas Miorin, EDERA - Enegiesprong Italy

The challenge of the transition

Gianni Silvestrini, Key Scientific Director

The Italian and European context

Marco Caffi, GBC

Francesca Andreolli, ECCO Climate

Projects and strategies to accompany the transition

Sebastien Delpont, Enegiesprong Global Alliance

Antonella Molinari, A2A

THURSDAY 6
MARCH

14:30 -
16:00

Neri 2 Room, Hall
Sud

**Cross-cutting
topics**
*On-site & on-
demand event*
[Click here](#)

Sustainable AgriVoltaic: agriVoltaic design, environment and landscape. First Session.

Language: Italian

organized by ENEA - Department of Energy Technologies and Renewable Sources

Agrivoltaics is a crucial solution to achieving renewable energy (or electricity) generation goals for our country. However, the issue of plant insertion into the landscape remains one of the main barriers to its implementation.

In fact, while it is true that agrivoltaics is in itself an innovative approach capable of combining renewable energy production with agriculture, offering benefits for both the environment and local communities, the challenge is to implement a sustainable transformation of the landscape through the development and adoption of innovative approaches and solutions that make the value of agrivoltaics tangible to the entire community. So, on the one hand, the benefits of agrivoltaics will have to be assessable and quantifiable for the territories in which the intervention takes place, and on the other, they will have to constitute a shared value, of which the landscape is a collective representation. This is a complex challenge, and one that takes a long time for collective thinking, with respect to which we are only taking the first steps.

The session aims to explore best practices for developing agrivoltaic projects that are sustainable and integrated into the landscape. Through presentations, discussions, and interactive sessions, participants will have the opportunity to learn more about policies, regulations, and project strategies that can facilitate the adoption of agrivoltaics to support sustainable landscape transformation.

Program

Introductory greetings

Giorgio Graditi, General Director ENEA

Moderator

Paola Delli Veneri, ENEA, TERIN, Head of Solar Photovoltaic Division

The vision of Solar Power Europe for agrivoltaics

Lina Dubina, Policy Advisor for Sustainability, Solar Power Europe

Project directions for maximizing the environmental benefits of agrivoltaics

Valeria D'Ambrosio, Department of Architecture (DiArc), University of Naples Federico II

Principles for agrivoltaic planning

Adriana Galderisi, Department of Architecture and Industrial Design, University of Campania Luigi Vanvitelli

Giada Limongi, Department of Architecture and Industrial Design, University of Campania Luigi Vanvitelli

Agrivoltaic in support of agrarian landscape resilience

Giuseppe Ferrara, University of Bari Aldo Moro

The agrivoltaic demonstrator in Scalea

Angelo Pignatelli, EF Solare Italia

Antonio Lancellotta, Le Greenhouse

Discussion: How to strategically systematize available knowledge and tools?

Moderator

Simona De Iuliis, ENEA, TERIN, Head of Strategic Technical Support Section

Speakers

Luca D'Apote, Head of Energy Service, Director of Fattorie del Sole, Coldiretti
 Celeste Mellone, Lawyer, GreenHorse Legal Advisory
 Claudia Romano, Dirigente - Head of Energy and Green Economy Area, Emilia-Romagna Region
 Alessandro Visalli, Urban Planner, Green Project

THURSDAY 6
 MARCH

15:00 -
 16:30

Arena Encounters
 of Light, Pav. A1

**AIDI - Incontri di
 Luce**

On-site event
[Click here](#)

Light pollution and environmental sustainability

Language: Italian

organized by AIDI

Light pollution today has impacts not only on the inability to look at the celestial vault but also on the environment. Therefore, it is not only a matter of the beauty of the night landscape but also a necessity to safeguard the nature around us. What is the impact of light on the environment and the state of the art of regulations to mitigate the datti produced by improper lighting?

Program

Moderator

Mariella Di Rao, direttore LUCE

Speakers

Roberto Manfredini, professor at Dipartimento Scienze Mediche, Università di Ferrara
 Gianni Drisaldi, lighting designer, Studio Drisaldi Associati
 Elisa Belloni, researcher, Università degli Studi di Perugia
 Alessandro Zucchi, sales manager - specification Italy & lighting design South Europe, Signify
 Mathias Benvegnù, product manager & CSO, Lumeitalia
 Sonny Giansante, product manager, Revetec
 Antonio Miola, area manager, UMPI
 Diego Bonata, referente tecnico Cielo Buio

THURSDAY 6
 MARCH

15:45 -
 18:00

Ravezzi 1 Room,
 South Hall

**Cross-cutting
 topics**

*On-site & on-
 demand event*
[Click here](#)

Virtual network saturation: a vicious cycle between connection and authorization processes

nadara

Language: Italian

organized by ANIE

According to a survey conducted by ANIE, there are about 6,300 ongoing RES and ACCUMULI connection requests on the transmission grid. Overall, a cumulative power of about 400 GW is estimated. By 2030, 15 percent of GW from RES and 75 percent of GW from ACCUMULI are to be realized. Despite the fact that investments in grid infrastructure are substantial and are being accelerated also thanks to the NRP, the combination of several factors has resulted in virtual grid saturation. Among the factors are the lack of coordination between the process for defining the connection solution and that of the authorization process, outdated connection solutions, technical tables for sharing connection solutions, technological developments related to the new 36 kV connection standard, rather than related to the introduction of power limitation systems. All this is generating a lot of uncertainty. The conference aims to bring out through stakeholder dialogue possible solutions that can improve the current situation so as to increase the required renewable generation by 2030.

THURSDAY 6
MARCH

16:00 -
16:30

Su.Port Arena, Pav.
B3

Su.Port
*On-site & on-
demand event*
[Click here](#)

Floating offshore wind for a new economic-industrial renaissance

Language: Italian

organized by BLUEFLOAT ENERGY-NADARA

Floating Marine Wind Energy for a New Economic-Industrial Renaissance - Offshore floating wind farms represent a unique and unrepeatably opportunity not only in view of the country's goal of energy independence and combating climate change, but especially because this technology has all the credentials to promote a real economic-industrial "renaissance," mainly (but not only) in the South of Italy, and position Italy as a leading country and an exporter of know-how throughout the Mediterranean basin. Floating marine wind is much more than a source of green energy, in addition to the existing ones; rather, it is a great opportunity for reindustrialization and a very important flywheel for the country's economic growth, and whose benefits in terms of investment, development of a national and local supply chain, employment, upgrading of port infrastructure, skilled training, environmental sustainability, etc., are far greater than the incentives provided by the regulatory framework, which hopefully will be such as to reflect the current cost scenario of a complex and innovative technology.

Program

Introduces

Giovanni Rinaldi, senior project manager - Offshore Wind Italy

Moderator

Marta Bonucci, journalist and energy and sustainability expert

Speakers

Ksenia Balanda, General Manager Nadara-BlueFloat Energy partnership,

Katiuscia Eroè, Legambiente energy manager

Gabriele Menotti Lippolis, Head of Energy Confindustria Puglia

THURSDAY 6
MARCH

16:00 -
17:30

Neri 1 Room, Hall
Sud

**WEM – Wind
Expo for Med**
*On-site & on-
demand event*
[Click here](#)

Power of differentiated autonomy and the relationship between state and regions in the energy sector in Italy

Language: Italian

organized by ANEV - National Wind Energy Association

The reform of Title V of the Constitution introduced shared energy management between the state and the regions. This implies that the state establishes general criteria and policy directions, while the regions are in charge of doing the detailed regulation. However, this arrangement has some critical issues, especially in the relationship between the central state and the regions, creating conflicts that, as already observed in some regions, hinder an orderly development of the energy sector. Therefore, the conference will focus on the analysis of these issues and possible solutions to make the energy competence more functional in achieving the objectives assumed by our country.

Program

Moderator

Luca Bragoli, Vice President of ANEV

Speakers

Francesco Del Pizzo, Director of Network Development Strategies and Dispatching, Terna

Massimiliano Atelli, Chairman at SEA EIA Commission and Pnrr Pniec Commission

Simona Brancaccio, Special Office for Environmental Assessments, Campania Region

Gaetano Armao, Assessore dell'economia, Vicepresidente della Regione Siciliana

Serena Triggiani, Regional Councillor for the Environment, Apulia Region

Stefano Ciafani, Presidente Legambiente

Pina Lombardi, Partner, Public Law – Regulatory & Authorities, Energy & Infrastructure, Chiomenti

THURSDAY 6
MARCH

16:00 -
18:00

Ravezzi 2 Room,
South Hall

**Cross-cutting
topics**
*On-site & on-
demand event*
[Click here](#)

Financing the Energy Transition: Innovative Tools for Renewable Development

Language: Italian

Simultaneous translation: English

organized by KEY Technical Scientific Committee, in collaboration with Renewable Matter

In the renewable energy landscape, innovative financial instruments are playing a crucial role in accelerating the green transition. Among them, Power Purchase Agreements (PPAs) represent long-term contracts that guarantee a stable revenue stream for renewable energy producers, encouraging private investment. Green bonds, on the other hand, are bonds issued to finance sustainable projects with a focus on clean energy and emissions reduction. Equity crowdfunding offers a unique opportunity to engage citizens and small investors in financing facilities, democratizing access to renewable energy. Finally, Renewable Energy Communities (RECs) represent an innovative model in which citizens, local governments, and businesses work together to produce, share, and consume green energy, generating local economic and environmental benefits. This panel brings together financial experts to analyze these instruments and their transformative potential in the area of sustainability.

Programme

Moderator

Emanuele Bompan, Renewable Matter

Keynote

Giovanna Melandri, President of "Human Foundation. Do & think tank for social innovation"

Fireside Chat

Carlo Zorzoli, Head of Europe and Africa ContourGlobal

Speakers

Gabriele Cassetti, ECCO think tank

Sara Lovisolo, Amundi

Frantz Puccetti, Head of Projects Corporate Bank – Crédit Agricole Italia SpA

Gabriele Lania, Enerfip

THURSDAY 6
MARCH

16:00 -
18:00

Ravezzi 2 Room,
South Hall

**Cross-cutting
topics**

*On-site & on-
demand event*

[Click here](#)

Financing the Energy Transition: Innovative Tools for Renewable Development - ENGLISH LANGUAGE SESSION

Language: English

organized by KEY Technical Scientific Committee, in collaboration with Renewable Matter

In the renewable energy landscape, innovative financial instruments are playing a crucial role in accelerating the green transition. Among them, Power Purchase Agreements (PPAs) represent long-term contracts that guarantee a stable revenue stream for renewable energy producers, encouraging private investment. Green bonds, on the other hand, are bonds issued to finance sustainable projects with a focus on clean energy and emissions reduction. Equity crowdfunding offers a unique opportunity to engage citizens and small investors in financing facilities, democratizing access to renewable energy. Finally, Renewable Energy Communities (RECs) represent an innovative model in which citizens, local governments, and businesses work together to produce, share, and consume green energy, generating local economic and environmental benefits. This panel brings together financial experts to analyze these instruments and their transformative potential in the area of sustainability.

Programme

Moderator

Emanuele Bompan, Renewable Matter

Keynote

Giovanna Melandri, President of "Human Foundation. Do & think tank for social innovation"

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Carlo Zorzoli, Head of Europe and Africa ContourGlobal

Speakers

Gabriele Cassetti, ECCO think tank

Sara Lovisolò, Amundi

Frantz Puccetti, Head of Projects Corporate Bank – Crédit Agricole Italia SpA

Gabriele Lania, Enerfip

THURSDAY 6
MARCH

16:00 -
18:00

Hydrogen Arena,
Pav. B3

**HYPE - Hydrogen
Power**

*On-site & on-
demand event*

[Click here](#)

German-Italian Energy Talk

Language: English

organized by ITKAM-Italian Chamber of Commerce for Germany and Deutsche Messe AG

The German-Italian Energy Talk focuses on the relevance of green hydrogen for the success of the energy transition, exploring advanced technological solutions for the production, transport, and storage of hydrogen. The event promotes collaboration between Italian and German companies, highlighting best practices and innovations in the clean energy sector. It offers an important opportunity for discussion on how hydrogen can help address global climate challenges, fostering international cooperation and the development of sustainable strategies for the environment. The event also encourages networking among companies, start-ups, and research institutes in the sector, stimulating dialogue and the sharing of future visions.

Program

Moderator

Cristina Maggi, Director, Italian Hydrogen Association (H2IT)

Opening Remarks

Andreas Züge, General Director, Hannover Fairs Italy

Alessandra De Santis, Deputy CEO, ITKAM

Keynote Speeches

Hydrogen ramp-up: accelerating early green hydrogen adoption in Germany, Italy, and Europe

Luigi Crema, Chair of the Hydrogen Europe Research Board & Vice-President H2IT

Fabrizio Penna, Head of the Mission Unit for the PNRR, Italian Ministry of Environment and Energy Security

Karsten McGovern, CEO, LEA Landes Energie Agentur Hessen

Panel Discussion

Opportunities and challenges in scaling hydrogen for industrial applications

Stefano Soldani, Commercial Manager, ErreDue

Andrea Bombardi, Global Market Development, Executive Vice President, RINA

Marcus Moritz, Head of Application Engineering, SOL Group

Alberto Zerbinato, CEO, ICI Powering Evolution

Tim Cholibois, Vice President Strategy and Business Development, Enapter AG *

Aperitivo italiano & international networking

** Speakers to be confirmed*

THURSDAY 6
MARCH

16:15 -
17:45

Energy Transition
Arena, Pav. B2

**KSE - Key
Storage**
On-site & on-
demand event
[Click here](#)

Decarbonizing Italy's Electricity: the role of Solar Photovoltaics in the commercial and industrial sector

Language: English

Simultaneous translation: Italian

organized by IBESA

Italy's commercial and industrial consumers account for 56% of national electricity demand, led by commercial services (38%), iron and steel production (7%), and food and beverage (6%). In 2023, renewables generated 45% of Italy's electricity, with solar and wind contributing 21%.

Solar photovoltaic installations have grown rapidly, particularly in the commercial and industrial sector, which expanded from 650 megawatts in 2020 to 5.2 gigawatts by 2023. This growth is driven by ambitious targets—79 gigawatts of photovoltaic capacity by 2030—rising energy prices, and supportive policies like simplified permitting and fiscal incentives. Although regulatory barriers, especially around land use and approvals for large projects, remain challenges, this sector is expected to lead Italy's photovoltaic growth, with 6.7 gigawatts projected for 2024, nearly half from commercial and industrial installations.

This conference session will explore key trends, regulatory dynamics, and the future role of solar photovoltaics in driving Italy's energy transition in the commercial and industrial sector.

Program

Italian Solar Market Trends & Opportunities in 2025 and Beyond: Exclusive Insights from Installers

Saif Islam, Senior Consultant, EUPD Research

The Photovoltaic Roof: A Strategic Asset for a Company

Demis Tamburini, Board Member, Federazione ANIE

C&I Applications in Action: Real-world Case Studies to Empower Italy

Edoardo Pulvirenti, Sales Manager Italy, JA Solar

Technological Advancements of C&I Inverters

SolaX Power *

The Turning Point in the Solar Industry: The Added Value of Software and Integration

Idilio Ciuffarella, Business Development Manager, EcoFlow

Hail Class and Snow Loads in Times of Climate Change

Michael Andreas Heilig, CEO SwissWatt One

How to Improve Residential, Commercial, and Industrial Applications of Solar Energy

Nicole Yang, Global Marketing Director, ZNSHINE Solar

Closing

THURSDAY 6

MARCH

16:30 -

18:00

Efficiency Arena,
Pav. A4

**EFFI - Energy
Efficiency**

*On-site & on-
demand event*

[Click here](#)

EPBD Directive: opportunities for the Italian building stock

Language: Italian

organized by Ecco - The Italian Climate Change Think Tank

Italian building sector is responsible for 20% of national greenhouse gas emissions. Despite the decade-long presence of incentives for improving energy efficiency in residential buildings, emission levels have remained almost stable. With this trend, the sector will not achieve the emission targets set at the European level, risking the country's exposure to infringement procedures and costs for public finances. Beyond energy efficiency measures, it is essential to promote a reduction in natural gas consumption - currently the main energy source - through the electrification of final energy uses. In light of the implementation of the Energy Performance of Buildings Directive (EPBD), Italy will need to revise its incentive framework to support energy efficiency.

Starting from the presentation of a scenario for the implementation of the EPBD Directive and its socio-economic implications, the debate aims to provide a platform for dialogue with key stakeholders in the sector. The goal is to reflect on the barriers and opportunities associated with the electrification of final energy uses, with a view to balancing sustainability, security, and the competitiveness.

Session Chairs

Andrea Ghianda, ECCO think tank

Francesca Andreolli, ECCO think tank

Program

Introduction and welcome greetings

Andrea Ghianda, Head of Communications, ECCO think tank

Socioeconomic impacts of a decarbonization scenario for the Italian building stock

Francesca Andreolli, Senior Researcher Energy & Energy Efficiency, ECCO think tank

Discussion

Flavio Monosilio, direttore della Direzione Affari economici, finanza e centro studi dell'ANCE

Claudio Ferrari, President Federesco

Cecilia Hugony, CEO Teicos Group

Dario Di Santo, Director FIRE

Q&A

Conclusions

Andrea Ghianda, Responsabile Comunicazione, ECCO think tank

THURSDAY 6
MARCH

16:30 -
18:00

Neri 2 Room, Hall
Sud

Cross-cutting topics

On-site & on-
demand event

[Click here](#)

Sustainable agri-voltaics: innovations to serve agri-voltaics. Second Session.

Language: Italian

organized by AIAS - Italian Sustainable Agrivoltaic Association

Agrivoltaics is a crucial solution to achieving the renewable power (or electricity) generation goals for our country. However, the issue of plant insertion into the landscape remains one of the main barriers to its implementation. In fact, while it is true that agrivoltaics is in itself an innovative approach capable of combining renewable energy production with agriculture, offering benefits for both the environment and local communities, the challenge is to implement a sustainable transformation of the landscape through the development and adoption of innovative approaches and solutions that make the value of agrivoltaics tangible to the entire community. So, on the one hand, the benefits of agrivoltaics will have to be assessable and quantifiable for the territories in which the intervention is inserted, and on the other hand, they will have to constitute a shared value, of which the landscape is a collective representation. This is a complex challenge, and one that takes a long time for collective thinking, with respect to which we are only taking the first steps.

The session brings together several innovations to serve a sustainable vision of agrivoltaics, benefiting the environment and landscape. It is a review of the innovative solutions currently available for the development of agrivoltaic systems (data collection and management; development of platforms for monitoring agricultural activity and electrical production, environmental parameters and biodiversity; optimization of agrivoltaic system performance), but also innovations that foster synergy between the worlds of agriculture and photovoltaics, and between agrivoltaics and society at large.

Program

Greetings

Alessandra Scognamiglio, ENEA, TERIN, AIAS President

Introduction and moderation

Mariangela Lancellotta, CEO Set Sviluppo, AIAS Board Member

Technology Evolution

Giancarlo Ghidesi, CCO RemTec, AIAS Vice President

Satellite technology at the service of agrivoltaics

Lorenza Panunzi, Central Assessment

Monitoring biodiversity for environmental sustainability

Simone Mazzola, 3Bee

The AIAS Certification Matrix for Sustainable Agrivoltaics

Pasquale Fattore, Head Inspections Product Management, RINA

Discussion***Innovation, Society and Economy. Is "beautiful" agrivoltaics possible?****Moderation and conclusions*

Alessandra Scognamiglio, ENEA, TERIN, AIAS President

Speakers

Lucia Krasovec Lucas, Presidente IN/Arch Triveneto

Angelo Gentili, Responsabile Agricoltura Legambiente

Vito La Fata, Presidente, Land Impresa Sociale

Alessandro Marangoni, CEO Althesys Strategic Consultants

Valeria Viti, Partner, Legance, Consigliera AIAS

THURSDAY 6
MARCH

16:30 -
18:00

Diotallevi 1 Room,
South Hall

**SEC - Solar
Exhibition
Conference**
*On-site & on-
demand event*
[Click here](#)

Legambiente's Renewable and Supportive Energy Communities: focus on BeComE, the campaign in Small Municipalities carried out with Kyoto Club and AzzeroCO2

Language: Italian

organized by Kyoto Club and Legambiente

With just a few weeks to go before the deadline set by the GSE for small municipalities - March 31 - to obtain the funds provided by the PNRR, the best practices of Legambiente and Kyoto Club's BeComE project with AzzeroCO2 will be told, without neglecting the bureaucratic and regulatory interpretation obstacles that are still present and that risk not making them fully seize the opportunities represented by CERs. How many CERs are already active in Italy? What are the best practices for quality and implementation of solidarity projects.

Session Chairs

Francesco Ferrante, Vice-President Kyoto Club

Program

Introduction and welcome

Mariateresa Imparato, Legambiente National Secretariat
Alessandra Bonfanti, Legambiente Small Municipalities Manager

Speakers

Estella Pancaldi, Head of the promotion and assistance function for the public administration of the GSE
Sergio Olivero, Polytechnic University of Turin
Maria Assunta Vitelli, AzzeroCo2 engineer
Mauro Guerra, Borghi più belli di Italia
Giorgio Nanni, Legacoop
Davide Gavanelli, CEO Bryo
Adolfo Marinangeli, Mayor of Amandola
Stefano Pisani, Mayor of Pollica
Antonino d'Angelo, Mayor of San Valentino in Abruzzo Citeriore
Michelangelo Giansiracusa, Mayor of Ferla
Lino Gentile, Mayor of Castel del Giudice
Alessandro Renzi, Mayor of Montegridolfo
Giulio Traietta, Mayor of Miglionico

Closing

Giorgio Zampetti, General Director of Legambiente

THURSDAY 6
MARCH

16:30 -
18:30

City&Mobility
Arena, Pav. A2

Sustainable City
*On-site & on-
demand event*
[Click here](#)

Urban Transition between Innovation and Energy Sustainability.



Language: Italian

organized by KEY and LUMI Scientific Technical Committee

Urban transition is a crucial challenge for modern cities, which are called to evolve toward more sustainable, efficient and resilient patterns of change. This conference explores the role of innovative technologies in optimizing energy efficiency and reducing environmental impact, with a focus on solutions applicable in urban settings. An opportunity for engineers, planners and industry leaders to discuss practical strategies for driving the future of cities.

Session Chairs

Gian Marco Revel, Polytechnic University of Marche, CTS, Sustainable City Scientific Officer

Program

The City as a Platform for Urban Innovation
Rodolfo Pinto, CEO of SuperUrbanity

Agenda 2030 and Big Data: the correlation between sustainable development and land wealth

Alessandro Seravalli, GeoSmart Lab

Round Table

Shared Solutions for the City of the Future: Comparing Experiences

Edison

Michele Rossi, Head of Innovation Siram Veolia

Gabriele Paltrinieri, Chief Marketing Officer di ENergìa Europa

**Invited speaker, awaiting confirmation*

FRIDAY 7 MARCH

FRIDAY 7 MARCH

10:00 -
11:00

Arena Encounters
of Light, Pav. A1

**AIDI - Incontri di
Luce**

On-site event

[Click here](#)

Intelligent predictive maintenance of infrastructure

Language: Italian

organized by AIDI

Predictive maintenance can have a huge impact on our country's Smart City and infrastructure. Specifically, predictive maintenance focuses on preventing failures and planning maintenance in a preventive, rather than reactive, manner through the use of data and advanced technologies such as IoT and artificial intelligence to gather information about the state of infrastructure and services in the city, such as public facilities, transportation systems, and the road network. A procedure that brings enormous benefits in terms of both safety and cost optimization and citizen welfare.

Program

Moderator:

Mariella Di Rao, director LUCE

Speakers:

Federico Mauri, general director, A2A Illuminazione Pubblica

Domenico Andreis, CEO I-AM

Federico Bronzini, CEO INRETE Distribuzione Energia SpA

Gabriella Chiellino, co-founder & chief executive officer, IMQ eambiente

Andrea Fraioli, country manager Italia, OHROS Consulting Group

FRIDAY 7 MARCH

10:00 -
11:15

Ravezzi 2 Room,
South Hall

**WEM – Wind
Expo for Med**

*On-site & on-
demand event*

[Click here](#)

Floating photovoltaics: analysis of opportunities to strengthen renewables in Italy

Language: Italian

organized by AERO - Association of Offshore Renewable Energy

The event will provide a comprehensive overview of offshore floating PV for the first time. On this occasion, AERO's first Position Paper on the topic will be presented.

The advantages of this configuration will be discussed, especially those arising from its integration with offshore wind plants; at the same time, the challenges to be overcome to enable this technology to take a strategic role in our country will be analyzed.

The panel will be composed of heterogeneous industry profiles representing the entire value chain, from builders and designers to lawyers, academics and policy makers.

Program

Moderator

Marta Bonucci, Energy Newspaper

Introduction and welcome

Fulvio Mamone Capria, AERO President

Offshore floating photovoltaics: an emerging technology with great potential

Alessandro Corsini, OWEMES President

Why develop offshore floating photovoltaics in Italy

Alberto Bernabini, CEO Agnes

Legal specificities and gaps: the Italian case

Stefano Lucarini, Partner Tonucci & Partners

Technology characteristics and design philosophies

Alexander Thøgersen, VP Engineering Moss Maritime (Norway)

Johnny Meit, Head of Business Development Oceans of Energy (Netherlands)

Discussion and closing

FRIDAY 7 MARCH

10:00 -

11:30

Efficiency Arena,
Pav. A4**EFFI - Energy
Efficiency***On-site & on-
demand event*[Click here](#)**Artificial Intelligence applied to energy efficiency**

Language: Italian

organized by FIRE - Italian Federation for the Rational Use of Energy

There is a lot of talk about artificial intelligence, but what are the concrete application possibilities in the energy sector? The workshop will be an opportunity to illustrate the options available today in the broad and confusing range of solutions that are currently offered on the market. FIRE will also illustrate the results of the survey carried out among stakeholders - technology suppliers and users - as part of a large study on AI applied to the energy sector. The speeches will allow to get an idea of the current situation and future developments of the applications useful for improving the use of energy in companies and public institutions.

An event designed for energy managers, EGEs, utilities, ESCOs and other stakeholders involved in energy management, decarbonisation and sustainability.

Session Chair

Michela Ancora, FIRE

Program

Greetings and introduction

Micaela Ancora, FIRE

The possible uses of AI for energy management

Dario Di Santo, FIRE

The results of the FIRE survey on AI

Yasaman Meshenchi, FIRE

Digitization and AI for the implementation and management of RES plants: what perspectives?

Girolamo Di Francia, ENEA

Application of AI to energy management - Case 1

Matteo Gerola, Maps group

Application of AI to energy management - Case 2

Ivan Lion, ALI Energia

The D2FX Project and the application of AI to prosumers

Giulio Troncarelli, Energy of things

The pilot experience of ènostra in the Romeflex project

Mauro Gaggiotti, ènostra

Debate

Conclusions

FRIDAY 7 MARCH

10:00 -

11:30

Diotallevi 1 Room,
South Hall

**Cross-cutting
topics**

*On-site & on-
demand event*

[Click here](#)

European directives and the role of local one-stop shops for the energy requalification of buildings

Language: Italian

organized by ENEA - Energy Efficiency Unit Department

Article 22 of the Energy Efficiency Directive (EED 2023/1791) requires Member States to activate local one-stop shops (OSS) to promote and facilitate the efficient use of energy by final customers and end-users. The service should provide simplified advice to businesses, micro-enterprises, professionals and private individuals to guide them through the energy transition process in their area.

The Directive on the Energy Performance of Buildings (EPBD 2024/1275) takes up this concept by directing the activities of one-stop shops towards the energy performance of buildings and defining the requirements for the implementation of these services, making their activation mandatory throughout the territory. One-stop shops for the energy performance of buildings are considered essential to achieve the objective of a completely decarbonised European building stock by 2050. The aim of the meeting is therefore to discuss with the participants the indications of the directives, to present Italian case studies of one-stop shops already operating and to open a debate to identify the main challenges and opportunities with regard to the Italian implementation of the directive.

The new national network of one-stop shops EU Peers set up and managed by ENEA and the Piedmont Region in the framework of the EU Peers project (www.eu-peers.eu) will also be presented.

Programme

Introduction and welcome

Alessandro Federici, ENEA

Elisa Guiot, Piedmont Region

Implementation of EPBD4 in the new Regional Energy Plan

Giovanna Claudia R. Romano, Emilia-Romagna Region

The EU-PEERS Project: the community of practice to increase the effectiveness of one-stop shops for the renovation of residential buildings in Europe

Patrizia Pistochini, ENEA

Debate on Italian case studies - moderator Silvio De Nigris Regione Piemonte

Piergabriele Andreoli , AESS Modena

Simona Acerbis, ATES Parma

Giovanni Vicentini , Comune di Padova

Andrea Petrina, Cassa Depositi e Prestiti

Conclusions

Francesca Hugony, ENEA

FRIDAY 7 MARCH

10:00 -

11:30

Diotallevi 2 Room,
South Hall

**Cross-cutting
topics**

*On-site & on-
demand event*

[Click here](#)

The missing link: circular economy for the energy transition

Language: Italian

Simultaneous translation: English

organized by KEY Technical Scientific Committee, in cooperation with Ecomondo and Materia Rinnovabile

The panel will explore the challenges and opportunities related to the recovery and reuse of critical resources needed for renewable technologies. As the European Union aims to strengthen its strategic independence and meet the ambitious Green Deal targets, recycling of batteries and other critical components plays a key role. With the European Battery Regulation, the EU aims to ensure 95 percent recycling for cobalt, copper, lead and nickel, and 70 percent recycling for lithium by 2030 and to increase the use of secondary materials, reducing dependence on imports of critical raw materials. During the panel, industry experts will discuss emerging technologies, industry best practices, and the contribution these solutions make to a circular economy, highlighting how sustainable resource management can accelerate the transition to a low-carbon energy future.

Program

Moderator

Emanuele Bompan, Renewable Matter

Speakers

Luca Proietti, Director General for Circular Economy and Remediation, Ministry of Environment and Energy Security

Andrea Carluccio, Haiki Cobat

Gernot Boerge, Fiware

Francesco Serrao, Motus-E

Diego Arbizzoni, Re Open S.r.l.

Nouha Gazbour, CEA - LITEN

FRIDAY 7 MARCH

10:00 -

11:30

Energy Transition
Arena, Pav. B2**KSE - Key
Storage***On-site & on-
demand event*[Click here](#)

Unlocking Energy Storage in Italy's Commercial and Industrial Sectors

Language: English

Simultaneous translation: Italian

organized by IBESA

Welcome to the session titled "Unlocking Energy Storage in Italy's Commercial and Industrial Sectors". Italy's shift toward renewables has highlighted the need for energy storage in the commercial and industrial sectors, which consume over half of national electricity and face rising energy costs. With solar and wind now generating 21% of Italy's electricity, storage solutions are essential for managing renewable variability, reducing peak demand, and boosting self-consumption.

Key market drivers include high electricity prices, incentives for self-consumption, and evolving policies for grid stability. However, challenges remain, such as regulatory uncertainties and high initial costs. This conference session will explore how energy storage can enhance business resilience, energy security, and drive Italy's renewable transition in the commercial and industrial sectors.

Program

Assessing the Italian C&I Market Segments: Trends & Successful Business Models

Julia Pohl, Director Research Operations, EUPD Research

Energy Security and Flexibility for Innovative C&I Hybrid Solutions

Domenico Genchi, Solution & Service Manager – Italy, SIGENERGY

STORAGE C&I in Italy: The Genes of a Giant Still a Child

Pietro Gintoli, Country Manager Italy, Chint

High-tech Comprehensive Solutions for the Italian Renewable Energy Market

Davide Lonardi, Country Manager, Solavita

Showcasing Successful ESS Applications in the EU's C&I Sectors

Joelle Li, Head of Marketing, POWEROAD

Powering the Future: Enhancing the Role of Solar Photovoltaics with Advanced ESS Solutions for the C&I Sector

Emilio Manzoni, Head of PV and BESS Utility, Sungorw

Conclusions

FRIDAY 7 MARCH

10:00 -

11:30

Mimosa Room,
Pav. B6**Cross-cutting
topics***On-site event*[Click here](#)

Agriculture within advanced agri-voltaics

Language: Italian

organized by Master AREA Ridedf

Following the release of the winners of the PNRR call for proposals for advanced agrivoltaics, it is time to take stock of how to organize agricultural activities within these sites and what are the challenges to be faced in the relationship between energy and food. The event aims to provide the perspective of the agricultural operators who will have to operate within these facilities and what are the critical issues they are facing within this process.

Program

General Introduction

Alessio Pinzone, AREA Ridedf

The largest advanced agrivoltage plants - challenges and opportunities

Alessandro Migliorini, European Energy

France and Italy - similitudes and differences for an agriPV

Massimo Bartocci, Photosol

A farmer's challenges within an agriPV plant

Pietro Branchi, Madreterra Green

Monitoring systems and AI applied to agriculture

Tommaso Tedeschi, XFarm

Sustainability in the agrivoltaic sector and the beekeeping world

Simone Mazzola, 3Bee

Round table and discussion on the PNRR call for proposals

FRIDAY 7 MARCH

10:00 -

11:30

Diotallevi 2 Room,
South Hall**Cross-cutting
topics***On-site & on-
demand event*[Click here](#)

The missing link: circular economy for the energy transition - ENGLISH LANGUAGE SESSION

Language: English

organized by KEY Technical Scientific Committee, in cooperation with Ecomondo and Materia Rinnovabile

The panel will explore the challenges and opportunities related to the recovery and reuse of critical resources needed for renewable technologies. As the European Union aims to strengthen its strategic independence and meet the ambitious Green Deal targets, recycling of batteries and other critical components plays a key role. With the European Battery Regulation, the EU aims to ensure 95 percent recycling for cobalt, copper, lead and nickel, and 70 percent recycling for lithium by 2030 and to increase the use of secondary materials, reducing dependence on imports of critical raw materials. During the panel, industry experts will discuss emerging technologies, industry best practices, and the contribution these solutions make to a circular economy, highlighting how sustainable resource management can accelerate the transition to a low-carbon energy future.

Program

Moderator

Emanuele Bompan, Renewable Matter

Speakers

Luca Proietti, Director General for Circular Economy and Remediation, Ministry of Environment and Energy Security

Andrea Carluccio, Haiki Cobat

Gernot Boerge, Fiware

Francesco Serrao, Motus-E

Diego Arbizzoni, Re Open S.r.l.

Nouha Gazbour, CEA - LITEN

FRIDAY 7 MARCH

10:00 -

11:30

Ravezzi 1 Room,
South Hall

**Cross-cutting
topics**

*On-site & on-
demand event*

[Click here](#)

Strategic renewable supply chains, national potential, and prospects for technology and component manufacturing in Italy

Language: Italian

organized by H2IT, ANIE, Italia Solare, ANEV

Last June, Regulation (EU) 2024/1735 of the European Parliament and Council, so called the "Net Zero Industry Act," came into force, aimed at strengthening European manufacturing of the components and technologies it identified as key to the energy transition, with the goal of developing production facilities on European soil and thus being more competitive and less dependent on production abroad. These include solar PV and thermal, onshore and offshore wind turbines, electrolyzers and fuel cells, batteries, heat pumps and geothermal energy, power grid technologies, carbon capture and storage systems, sustainable biogas and biomethane, among others. The goals and implementation of the regulation represent an opportunity for Italy's productive industrial sector.

What tools can the country deploy to support increased production of strategic technologies? What are the bottlenecks and difficulties that need to be overcome, and how can the skills that already exist in Italy be exploited?

FRIDAY 7 MARCH

10:00 -

11:30

City&Mobility
Arena, Pav. A2

EME - eMobility

*On-site & on-
demand event*

[Click here](#)

Heavy vehicles in Italy: the implementation of the AFIR Regulation

Language: Italian

organized by Kyoto Club, ZET Italy and Motus-E in collaboration with Ecomondo

The AFIR (Alternative Fuels Infrastructure Regulation), approved by the European Union as part of the "Fit for 55" package, represents a milestone in the transition to sustainable mobility, imposing mandatory requirements for the deployment of alternative fuels infrastructure, with a particular focus on heavy-duty vehicles. The aim of the regulation is to ensure the coverage of charging stations on all major European arterial roads, improving accessibility and efficiency for electric trucks and buses. In Italy, the implementation of the AFIR Regulation requires the planning and development of a national high-power charging infrastructure along the main TEN-T routes.

To achieve these goals, significant investments are needed in the infrastructure network on highways and logistics corridors, crucial for commercial traffic, which will have to ensure accessibility, safety and integration with existing energy infrastructure. The identification of such areas on the national territory and the coordination between public authorities and private operators will be essential to meet the timelines and objectives set by the AFIR.

Session Chairs

Anna Donati, Kyoto Club – ZET Italia
 Francesco Naso, MOTUS-E

Program

Introduction and welcome

Anna Donati, Kyoto Club – ZET Italia

Presentation Study Identifying suitable areas for freight transportation

Matteo Gizzi, Head of Market Intelligence

Raphael Heliot, policy officer, policy manager - E-mobility Europe

Mario Spagnoli, Head of Sustainable Mobility - GSE

New spaces, new horizons: the challenges for the freight transport chain

Moderator

Francesco Naso, Secretary General, Motus-E

Speakers

Omar Imberti, ABB E-mobility Sales Manager Sabrina Loner, Director E

Mob_Product_Homologation - Volvo Trucks

Francesco Turati, Sales Steering & Future Mobility Manager - MAN Truck & Bus Italy

Andrea Condotta, Public Affairs, Sustainability and Innovation Director - GRUBER

Logistics

Redesigning the territory: Planning and Ecological Transition the case of Emilia-Romagna

Moderator

Anna Donati, Kyoto Club

Speakers

Irene Priolo, Councillor for the Environment, Territorial Planning, Mobility and Transport. Emilia-Romagna Region

Giuseppe Dall'Asta, Director of Interporto di Bologna SpA

Andrea Bardi, Director General, Institute of Transport and Logistics of Emilia-Romagna

FRIDAY 7 MARCH

11:00 -
13:00

Neri 2 Room, Hall
Sud

**KSE - Key
Storage**

*On-site & on-
demand event*

[Click here](#)

Evolving scenarios of electrical storage

Language: Italian

organized by ANIE

The electric storage sector is increasingly neuralgic for the decarbonization strategy of the electricity sector; it is a very versatile technology because it offers a multiplicity of uses with instant response times; investment initiatives are multiplying worldwide. The conference aims to take a snapshot of market dynamics at the international level to land in Italy where the residential, C&I, utility scale market segments juggle changing scenarios, evolving regulations*, policy implementation timelines, business modeling, risk profiles and bankability of projects, and technical capabilities. In this context, one may lose sight of the goal of optimizing the use of these resources in order to reduce system costs. In the panel discussion, an attempt will be made to put priorities and benefits in some order.

Program

Participants' registration

Moderator

Emiliano Bellini, PV Magazine Editor

Institutional Greetings

Matteo Lionetti, Coordinator Utility Scale Systems Group of ANIE Federation

Trends of mature and near mature technologies, costs and investments

Raffaele Rossi, Head of Market Intelligence, Solar Power Europe

On the starting blocks: all set in the future market environment?

Fabio Zanellini, Chairman of the Technical Committee of the Inter-Association Group Storage Systems of ANIE Federation

Case study

Davide Tinazzi, Founder and CEO of Energy srl

Round Table

Optimizing resource use to reduce system costs

Giuseppe Artizzu, CEO Nhoa Energy

Federico Boschi, Head of Energy Department, MASE

Francesco Del Pizzo, Director of grid development and dispatching strategies at TERNA

Marco Severi, Capstan Capital Partners LLPP

Raffaello Teani, President of ANIE Federation Storage Systems Group, Exhibiting Company

Q&A

Closing

Matteo Lionetti, Coordinator of the Utility Scale Storage Systems Group of ANIE Federation

FRIDAY 7 MARCH

11:00 -

13:00

Neri 1 Room, Hall
Sud

**WEM – Wind
Expo for Med**
*On-site & on-
demand event*
[Click here](#)

Wind power, technological and design innovations, the state of the art in offshore and onshore

Language: Italian

organized by ANEV - National Wind Energy Association

In this symposium we will examine innovation in the wind energy sector, assessing the current progress that already sees, for offshore wind turbines, powers in excess of 15 MW while for onshore wind turbines over 7 MW. This technological evolution makes it possible to exploit sites with lower wind speeds, thanks to new wind transformation mechanisms that are much more efficient. We will also look at advances related to production and maintenance optimization, made possible by advanced control systems that integrate innovative technologies such as artificial intelligence, augmented reality, and drones. These solutions aim to reduce costs and make technologies increasingly compatible with decarbonization goals. Another aspect that we will cover concerns innovative technologies for wind energy storage and how the development of floating offshore wind is generating interesting results in our country, always with the aim of building a solid and durable supply chain, a goal that ANEV has always pursued.

Program

Moderators

Francesco Amati, Vice President of ANEV

Mauro Fabris, Vice President of ANEV

Speakers

Pablo Polenta, Senior Project Manager di Nexta Capital Partners

Pepe Carnevale, Founder Board Member, 7seas med

Fabio Santambrogio, Head of Wind Offshore Projects Edison

Franco Cotana, CEO RSE *

Paolo Nicora, Market Manager Italy DNV

Diego Carbone, Business Developer Manager ENGIE

Cristina Simioli, Director of Renewables Grid Initiative's RGI

**Invited speaker, pending confirmation*

FRIDAY 7 MARCH

11:30 -
13:00Hydrogen Arena,
Pav. B3**HYPE - Hydrogen
Power***On-site & on-
demand event*[Click here](#)

Challenges and critical issues in stimulating hydrogen demand; industry's perspective on implementing hydrogen strategy

Language: Italian

organized by H2IT

Hydrogen has emerged as a solution for the decarbonization of end uses such as industry and mobility, along with other clean carriers such as electricity from renewable sources. Today, the sector faces the major challenge of market development, with growth in demand and supply of renewable and low-carbon hydrogen, stimulated by funding put in place at national and European levels and ambitious mission reduction targets. Public investment to date has focused on the development of production to have clean hydrogen available and the manufacture of related technologies, and continues with a view to achieving the goal of lowering costs. In contrast, perhaps too little has yet been done to stimulate demand for hydrogen, which is the main driver of the National Hydrogen Strategy published by MASE on November 26, 2024. What are the tools and levers to accelerate an increase in hydrogen demand and to support and accompany companies in the industrial and mobility sectors in the transition to hydrogen use?

FRIDAY 7 MARCH

12:00 -
13:30Main Stage -
Cupola Lorenzo
Cagnoni, Hall Sud**Cross-cutting
topics***On-site & live
streaming event*[Click here](#)

False myths about renewables: "a lie travels around the world three times before the truth has a chance to put its pants on"

Language: Italian

organized by Italy for Climate

The "False Myths About Renewable Sources" project by Italy for Climate addresses misinformation about renewable energy, analyzing the most common prejudices that hinder the energy transition and aiming to stimulate a debate based on solid and verified data.

During the event, which brings together experts, photographers, journalists, and creatives, we will explore how media and other communication channels influence public perception, why and how they often spread false myths, and strategies to promote accurate information.

[Italy For Climate](#)

Program

Moderation and opening remarks

Raimondo Orsini, Director, Sustainable Development Foundation

Opening

Stefania Crotta, General Director, Ministry of Environment and Energy Security

THE INITIATIVE "FALSE MYTHS ABOUT RENEWABLE SOURCES"

*Do they cost too much? Do they ruin the landscape?
How to answer the 5 False Myths that hold back renewables*
Andrea Barbabella, Scientific Director, Italy for Climate

The #falsimiti.edu
Maria Paola Chiesi, Vice President, Chiesi Farmaceutici

The False Myths project in Business
Carmine Esposito, Board Member, Italian Association of Family Businesses (AIDAF)

REALITY & FICTION: CLIMATE CHANGE IN THE MEDIA

The Role of Images in Public Perception
Emanuele Bompan, Macromicro Association and Director of Materia Rinnovabile

The Climate Crisis exists!
Alessia Iotti, Alterales, Cartoonist

Scorched Earth
Stefano Liberti, Journalist and Writer

Telling the Planet's story through traditional media
Riccardo Luna, Journalist

A new way of informing on social media
Duccio Travaglini, Eco-Founder, Greencome

FRIDAY 7 MARCH

12:00 -

13:30

City&Mobility
Arena, Pav. A2

EME - eMobility

*On-site & on-
demand event*

[Click here](#)

Private charging of electric cars: an opportunity for companies, condominiums and commercial activities

Language: Italian

organized by Motus-E e ANIE

The charging of electric vehicles in the private sector continues to be the most used solution by motorists and in its many facets represents a key element of the country's infrastructure process. From domestic or condominium charging, to in-company charging at the service of employees and company fleets, to commercial and hospitality activities, where offering this service can represent a real business opportunity. The panel organized by Motus-E and Anie will explore in detail every aspect of private charging, answering all possible questions from the stakeholders involved.

Program

Introduction and welcome greetings
Francesco Burrelli, ANACI National President
Matteo Gizzi, Market Intelligence Manager
Francesco Iannello, ANIE E-Mobility Group Secretary

What are the challenges and barriers for the development of private mobility
 Marco Marchesi, Secretary of the ANACI National Study Center
 Elisa Stellato, Head of Young Entrepreneurs Confcommercio
 Luigi Palladino, Technical Director and Energy Manager at Interparking Italia

Rethinking private mobility: what are the tools to support it
 Gerald Avondo Bodino, Responsabile prodotti e servizi E-Mobility Scame
 Francesco Quagliari, Business Development Manager | Soluzioni di ricarica,
 Volkswagen Group Italia
 Alberto Stecca - Amministratore delegato Silla
 Andrea Daminelli - Amministratore delegato Daze
 Vittorio Sbarbaro, Key Account Manager per il DC per il Sud Europa - Wallbox

FRIDAY 7 MARCH

12:00 -

13:30

Diotallevi 1 Room,
 South Hall

**SEC - Solar
 Exhibition
 Conference**

*On-site & on-
 demand event*

[Click here](#)

Renewable Energy Communities in Italy: results of mapping conducted by RSE

Language: Italian

organized by RSE SpA - Energy System Research

During 2024, the transposition process of the EU/2018/2001 (RED II) directive was completed with the publication of the MASE ministerial decree defining the incentives on diffuse self-consumption for CACER configurations (Configurations of Self-Consumption for the Sharing of Renewable Energy), previously defined and regulated through the publication of the TIAD (Testo Integrato Autoconsumo Diffuso). The completion of this path has led to the establishment of the first Renewable Energy Communities (RECs), promoted by public and private actors, who intend to operate in a relevant territorial scope (starting from the areas underlying the primary substations, to the market area). These experiences have a high degree of concreteness and are able to generate relevant energy, social and environmental impacts for their members and for the country system as a whole.

RSE has developed in the three-year System Research 2022-24 a mapping of the ERCs launched in the reporting period, with the intent on the one hand to generate a snapshot of how the communities are spreading at the Italian level, and on the other, to understand what are the prevailing organizational models, the technologies used, the role of institutions and intermediate bodies and, more generally, of all the stakeholders involved. During the conference, after a brief presentation of the mapping work, the activities carried out by the GSE, the regions, trade associations, and environmental associations will then be highlighted, so that CERs spread effectively and are an effective tool for promoting the energy transition.

Session Chairs

Matteo Zulianello, RSE

Program

Introduction and welcome

Franco Cotana, CEO RSE SpA

RECs in the Italian landscape: perspectives from the mapping carried out by RSE in the three-year research period 2022-2024

Debora Cilio, Researcher RSE SpA

Roundtable discussion

Renewable Energy Communities: first results and prospects for development

Speakers

Stefania Crotta, Director General of Programs and Financial Incentives, Ministry of Environment and Energy Security

Davide Di Giuseppe, Responsabile Funzione Autoconsumo e Comunità Energetiche, GSE SpA

Letizia Zavatti, Energy and Green Economy Area, Emilia-Romagna Region

Fabrizio Tollari, Head of Energy and Climate Unit, ART-ER S. cons. p.a.

Elena Fammartino, Project Manager for sustainability and business innovation, Unioncamere Piemonte

Dino De Simone, Responsabile Area Tecnica Studi e Strumenti per la Transizione Energetica e la Decarbonizzazione, ARIA SpA Lombardia

FRIDAY 7 MARCH

12:00 -

13:30

Diotallevi 2 Room,
South Hall

Cross-cutting topics

On-site & on-demand event

[Click here](#)

Advanced Materials for Energy: From Lab to Market, What Opportunities through IPCEI on Circular Advance Materials for Clean Technologies?

Language: Italian

organized by ENEA - Department of Energy Technologies and Renewable Sources

The development and implementation of advanced materials play a crucial role in addressing global energy challenges. These materials are key to improving the efficiency, cost-effectiveness and environmental sustainability of energy technologies.

In February 2024, the European Commission issued a communication on Advanced Materials for Industrial Leadership, outlining a holistic European strategy to ensure industrial leadership in Advanced Materials as a key enabling technology.

In the context of the "Coordinated Plan on Advanced Materials," the possibility of launching an IPCEI (Important Project of Common European Interest) on Advanced Materials is mentioned, with the aim of obtaining more funding for the first industrial deployment of Research and Innovation (R&I) results through public and private investment.

In addition, Advanced Materials are among the ten critical technology areas identified by the EU to ensure economic security. These materials are also in line with the ambitious goals of the European Green Deal to reduce greenhouse gas emissions. They facilitate the development of new clean energy technologies as outlined in the Net-Zero Industry Act (NZIA) and have the potential to replace some critical raw materials (CRMs), contributing to the goals of the Critical Raw Materials Act.

The session will provide a comprehensive overview of key areas where advanced materials are having a significant impact and assess their readiness for market adoption.

Session Chair

Simona De Iuliis, Responsabile Sezione Supporto Tecnico Strategico ENEA - Dipartimento Tecnologie Energetiche e Fonti Rinnovabili

Programma

Introduction and welcome

Giorgio Graditi, Direttore Generale ENEA

Design Phase dell'IPCEI su Circular Advanced Materials for Clean Technologies

Silvia Di Michele Bragadin, Divisione V. Aiuti di Stato e cooperazione industriale europea e internazionale, MIMIT

First mapping of potential IPCEI projects on Circular Advanced Materials for Clean Technologies

Livio Romano, Responsabile Progetti Industriali e Iniziative Internazionali CDP Cassa Depositi e Prestiti

Simona De Iuliis, Responsabile Sezione Supporto Tecnico Strategico, Dipartimento Tecnologie Energetiche e Fonti Rinnovabili ENEA

Good practices for assessing the market failure of an IPCEI project

Livio Romano, Responsabile progetti industriali e iniziative internazionali CDP Cassa Depositi e Prestiti

Industry's view on the IPCEI instrument

Nicoletta Amodio, Responsabile Industria e Innovazione Confindustria

Discussione e Q&A

FRIDAY 7 MARCH

12:00 -
13:45

Energy Transition
Arena, Pav. B2

**KSE - Key
Storage**

*On-site & on-
demand event*

[Click here](#)

Energy storage utility scale in an international perspective – key player for the energy transition: a comparison between Italy and Spain

NHQA
ENERGY

Language: English

Simultaneous translation: Italian

organized by Greentech Clust-ER of Emilia-Romagna region in cooperation with Catalan Energy Cluster (CEEC)

One of the current challenges of the energy transition is to facilitate the integration into the electricity grid and other energy networks of increasing shares of renewable energy sources that present discontinuous and non-programmable operating regimes. In this environment of generation intermittency, the deployment of both utility-scale and distributed energy storage systems is the answer. The Italian and Spanish governments have introduced their own strategies to fulfill this purpose. Italy with the PNIEC (Integrated Energy and Climate Plan) sets a target of 6 GW for the storage of public services and 4 GW for the distributed in 2030. Spain, as part of the same strategy to state level and in order to respond to the massive influx of sources of renewable origin, it plans to go from the current 8.3 GW to a storage capacity of around 20 GW in 2030 and 30 GW in 2050, having considered both large-scale storage and distributed storage.

In this workshop, the involvement of members of both clusters - companies and research centers - together with their interest groups and institutions aims to make a comparative analysis at an international level between the two European realities in terms of policies, technological approaches and business models for the large-scale deployment of energy storage.

Session Chairs

Alberto Sogni, Greentech Clust-ER of Emilia-Romagna region
Francesc Ribera, CEEC - Catalan Energy Cluster

Program

Moderator

Francesco Matteucci

Opening Greetings by the Session Chairmen

Overview of Italy-Spain cooperation in the Energy sector

María Pilar Merino Troncoso, Economic and Commercial Councilor of the Spanish Embassy in Italy

Key Speaker: European perspective about the energy storage at utility scale

Paolo Bondavalli, Programme Manager on Materials for Energy, EISMEA - European Innovation Council (EIC)

Focus on the national strategies, Italy and Spain:

- *Spain:* Oriol Escursell, Manager of Energy Planning at ICAEN, Catalan Energy Institute
- *Italy:* Andrea Galliani, Director of Energy Markets Department, The Italian Regulatory Authority for Energy, Networks and Environment (ARERA)

Round Table

EMILIA-ROMAGNA:

Claudia Romano, Energy Directorate, Emilia-Romagna Region

Roberto Gianoglio, Head of Business development Renewables, IREN Energia

Michele Benini, Director of Energy Systems Development Department, Ricerca sul Sistema Energetico - RSE SpA

CATALUNYA:

Oriol Escursell, Manager of Energy Planning at ICAEN, Catalan Energy Institute
 Ramon Gallart, Innovation Director at Estabanell & Deputy Chairman at GEODE
 Marta Fonrodona, Corporate Development & Technology Transfer Director at IREC
 & Director of the R+D+I Network Energy for Society (XRE4S)

The point of view of an international player
 Fabrizio Ciaccia, VP EMEA, NHOA Energy

FRIDAY 7 MARCH

14:15 -
 16:15

Ravezzi 1 Room,
 South Hall

**SEC - Solar
 Exhibition
 Conference**
*On-site & on-
 demand event*
[Click here](#)

New ways of managing, sharing and using energy: the Italian path of CERs from the perspective of the ENEA Observatory

Language: Italian

organized by ENEA, Department of Energy Technologies and Renewable Sources

The ENEA Observatory for Energy Communities consists of a network of about one hundred public and private participants directly involved in the promotion, development, management and evaluation of Energy Communities (ERCs). They include public administration and institutions, associations, research organizations and universities, energy and ESCo companies, ICT and data management system and platform development companies, experts in the regulatory, legal, legal and administrative framework, and freelancers.

Operating on five thematic tables, it represents a meeting and comparison point to support the development of Energy Communities at the national level. The Observatory examines multidisciplinary aspects, including regulatory developments, enabling technologies, economic-financial aspects, data evaluation, management and operation of ERCs, as well as developing information and communication activities.

Objectives include the promotion of a “national roadmap” for the development of ERCs to support all stakeholders and the drafting of a cahier de doléances, useful for detecting critical issues and submitting corrective or improvement proposals.

The Workshop focuses on relevant aspects in the roadmap for the development and management of ERCs by comparing the experiences of stakeholders.

Session Chair

Nicoletta Gozo, Technology Roll-Out Coordinator, Tools and Services Division for Critical Infrastructure and Renewable Energy Communities, ENEA

Program

Greetings and Work Introduction

CERs and the decarbonization process

Giulia Monteleone, Director, Energy Technologies and Renewable Sources Department, ENEA

The Observatory: activities and objectives

Nicoletta Gozo, ENEA Observatory Coordinator for Energy Communities

Round Table

Moderator

Paolo Zangheri, Smart Cities and Communities Laboratory, ENEA

Focus: Regulatory and governance aspects

Massimiliano Faini, Production Activities Sector Director, Garda Uno

Amos Giardino, Deputy Vice President CNPI, National Council of Industrial Experts

Focus: Economic-financial aspects

Maria Adele Prosperoni, Head of Environment and Energy Service, Confcooperative

Paolo Benfenati, President WeVèz Soc. Coop

Michelangelo Lamaddalena, Proposal Manager Smart Services, City Green Light

Focus: Aspects related to data acquisition, management and evaluation

Stefano Rotini, CTO & Head of Technical and Regulatory Affairs, Sinapsi

Maurizio Ferraris, Sales Manager, Energy Business Unit, MAPS Group

Leonardo Cavalieri, Marketing and Sales, MAC Srl

Focus: Regional Policies and Communication

Benedetta Brighenti, RENAEL Director

Letizia Zavatti, Emilia-Romagna Region

Sara Capuzzo, President ènostra coop

Q&A

Conclusions

Stefano Pizzuti, Head of Tools and Services Division for Critical Infrastructure and Renewable Energy Communities, ENEA

FRIDAY 7 MARCH

14:30 -

16:00

Ravezzi 2 Room,
South Hall

**KSE - Key
Storage**

*On-site & on-
demand event*

[Click here](#)

The role of long duration energy storage systems as support to renewable sources and accelerators towards the energy transition

Language: Italian

organized by Kyoto Club

Long-duration storage systems allow energy storage for extended periods, from hours to days, weeks or months, and also to supply electricity or heat for over eight hours. They can have different forms, electrochemical, thermal, mechanical or chemical, according to the technology used. The energy transition requires additional energy integrations, in order to meet users' needs.

Flexible and *long-duration energy storage* solutions make it possible to answer this question and achieve carbon neutrality.

Session Chair

Angela Pagano

Program

Introduction and welcome

Letizia Magaldi, Kyoto Club President
Gianni Silvestrini, Kyoto Club Scientific Director

Guido Bortoni, CESI President
Nicola Rossi, Enel Group Head of Innovation

Antonio Zingales, Member of the Board of Directors SAET-UNIPD
TERNA speaker*

Discussion and closing

* *Invited speaker, pending confirmation*

FRIDAY 7 MARCH

14:30 -
16:00

Diotallevi 2 Room,
South Hall

**SEC - Solar
Exhibition
Conference**
*On-site & on-
demand event*
[Click here](#)

Concentrating solar thermal power: a flexible technology to support the decarbonization of the Italian energy and industrial sector, between potential and barriers

Language: Italian

organized by ENEA - Department of Energy Technologies and Renewable Sources

Concentrating solar thermal (CST), thanks to the availability of effective commercial solutions for long-life thermal storage, could play a key role in accompanying nonprogrammable electric renewables (photovoltaics, wind) toward increasingly high levels of penetration in the energy mix in the coming years.

In addition, by enabling the continuous production of medium- and high-temperature renewable heat, CST can also facilitate the decarbonization of thermal consumption, with particular reference to residential district heating applications and hard-to-abate industrial sectors.

In line with the SET Plan objectives, Italy includes CST among the technologies that can contribute to the achievement of the ambitious energy and climate goals of the Green Deal, aiming to develop European supply chains capable of supporting by 2030 at least 40 percent of the continent's net-zero technology requirements, however, the large-scale deployment of commercial CST plants today faces a legislative context that is not yet mature, as well as critical issues related to the financial sustainability of projects.

These issues will be the focus of a debate among representatives from research, industry and politics, as part of KEY - The Energy Expo 2025, also in light of the outcome of the SolarPACES Conference 2024, the world's benchmark event for CST technologies, which in October 2024 will bring together the world's leading experts in the field in Rome, providing a leading showcase for national excellence and an opportunity to consolidate the Italian network of stakeholders.

Specifically, as part of KEY 2025, discussions will focus on the following topics outlined in the following draft agenda.