







KEY

28 / 29 FEBRUARY

01 MARCH

Legend

	Africa
	CITY – Sustainable City
	Considerations on Energetic Strategies
	DPE - International Electricity Expo
	E ME – E Mobility Expo
	EFFI – Energy Efficiency Expo
	Events organized by companies and partners
	ForumTech
	Hydrogen Arena
	Incontri di Luce
	Opening
	Salotto Solare
	Solar & Storage For Med
	WEM – Wind Expo for Med

WEDNESDAY 28 FEBRUARY

WEDNESDAY 28
FEBRUARY

10:00 -
11:45

Diotallevi 2 Room
South Hall

Hydrogen Arena

*On-site & on-
demand event*

[Click here](#)

Hydrogen Combustion and the Energy Transition

Language: Italian

organized by ENEA

The topic of hydrogen is of increasingly significant, concrete, and unprecedented interest today, as it is seen as an essential element for decarbonization and the energy transition. Applications requiring high-temperature heat have brought attention back to combustion technologies, which have been side-lined by environmental policies for some time. It is important to note that new investments in research and development for the combustion of natural gas mixtures with varying hydrogen content should be viewed not as competition with renewable energy sources but in synergy with them to achieve the common goal of decarbonization. This is true both in the field of thermo-electric generation and in the hard-to-abate industrial sector.

Thermo-electric generation with gas turbines has been one of the main providers of grid flexibility for several years and is continuing to play a significant role in stabilization and backup support for non-programmable renewables. Furthermore, it is one of the immediate solutions for reducing CO₂ emissions. For these capabilities, gas turbines continue to play a fundamental role in electricity generation, even during the energy transition period and in a future scenario characterized by an increasing percentage of non-programmable renewable sources, albeit with an increasingly intermittent operational profile and fewer equivalent annual hours. In this context, the application of post-combustion capture technologies to natural gas-fueled gas turbines would be unsustainable both from a technical and economic perspective. To fuel them with mixtures of natural gas with a growing and variable hydrogen content, it is necessary to develop new "fuel-flexible" combustion technologies capable of maintaining low NO_x emissions without efficiency losses. However, despite the significant efforts and investments by various manufacturers in recent years, the actual fuel flexibility of the machines, i.e., their stable, efficient, clean, reliable, and safe operation from 100% natural gas to 100% hydrogen with variable hydrogen content, remains a challenge to overcome due to technological issues in the combustion system.

In the hard-to-abate sector, specifically in the chemical, refining, glass, cement, steel, and ceramics industries, there are various applications that require combustion. In this context, the devices used are furnaces and boilers operating at low pressure, typically atmospheric, which significantly reduces combustion issues compared to gas turbine burners. The challenges to address instead concern the potential impact of the combustion atmosphere on the process (for example, significant reduction in radiative energy transfer is critical to ensure melting and high temperatures in liquid baths, as in the case of glass production) and even more on the product itself (for example, moisture removal is crucial for the quality of ceramics and lime).

The event will illustrate the state of the art of combustion of mixtures with varying hydrogen content, highlighting the challenges and critical issues to overcome, with particular emphasis on gas turbines and furnaces for the steel industry. It will also be a moment for sharing results, projects, and initiatives by important actors in both sectors.

President of Session

Eugenio Giacomazzi, ENEA - TERIN/PSU/IPSE Laboratory Head, Roma (IT)

Programme

Practical experience and projects

Advancing Hydrogen Combustion in Gas Turbines: Enabling CO2-Free Power Generation on Demand

Andrea Ciani, Hydrogen Combustion Technology Manager ANSALDO ENERGIA, Baden (CH)

Development of a Hydrogen Fueled Gas Turbine Combustion System

Egidio Pucci, Turbine Combustion Manager BAKER HUGHES, Firenze (IT)

Sustainable Routes Towards the Carbon Neutrality from the Perspective of a Thermal Process Technology Provider

Massimiliano Fantuzzi, Vice President, R&D Dept. DANIELI Centro Combustion SpA, Genova (IT)

Tenova Stepwise Approach to the Decarbonization of Steel Heating Processes - The Challenges of Hydrogen Combustion

Alessandro Della Rocca, Business Development Manager, TENOVA, Genova (IT)

Q&A

Conclusions

WEDNESDAY 28
FEBRUARY

10:00 -
11:45

Ravezzi 2 South
Hall

**E ME – E Mobility
Expo**

*On-site & on-
demand event*

[Click here](#)

The charging infrastructure to come

Language: Italian

organized by ANIE

As an enabling factor for e-mobility, the infrastructural issue plays an essential role. Is it true that the charging infrastructure in Italy is insufficient? Is it true that current charging times are incompatible with the habits of Italian motorists? Is it true that the distribution network could not support the load of many electric vehicles? The workshop aims to answer these questions with an eye towards the future and therefore with an eye towards technologies such as Plug&Charge, V1G and V2G.

Section Chairs

Omar Imberti, Coordinator E-Mobility Group ANIE

Programme

Introduction

Omar Imberti, Coordinator E-Mobility Group ANIE

The infrastructure situation in Italy and future prospects

Francesco Naso, Motus-E

The distribution network and electric cars

Giuseppe Mauri, RSE

The charging technology of today and tomorrow in the home

Alberto Stecca, Member E-Mobility Group ANIE

The charging technology of today and tomorrow in the business environment

Gerald Avondo, Member E-Mobility Group ANIE

The charging technology of today and tomorrow in the public/commercial sector

Francisco Abecasis, Member E-Mobility Group ANIE

The charging technology of today and tomorrow in public extra-urban and motorway areas

Davide Spazian, Member E-Mobility Group ANIE

WEDNESDAY 28

FEBRUARY

10:00 -

12:00

City&Mobility
Arena C1 Pav.

**CITY –
Sustainable City**

*On-site & on-
demand event*

[Click here](#)

The European initiative for innovation in the built environment: Built4People

Language: Italian

organized by KEY Scientific Technical Committee, GBC Italia

The event is linked to the Public Private Partnership of the EU Commission "Built4People", an important initiative for innovation and sustainability in the built environment. The programme will be presented and discussed with representatives of the EU Commission, with particular attention to urban regeneration projects in favour not only of energy efficiency, but also of the well-being and safety of people in the built environment.

WEDNESDAY 28

FEBRUARY

10:30 -

12:00

Hydrogen Arena
B2 Pav.

Hydrogen Arena

*On-site & live
streaming event*

[Click here](#)

Hydrogen + Fuel Cells

Language: Italian

organized by Hannover Fairs International GmbH

The integration of hydrogen into the European energy landscape is poised to play a crucial role in achieving ambitious climate targets. As the continent strives for decarbonization, hydrogen emerges as a versatile solution with immense potential to curb greenhouse gas emissions across various sectors, including industry. However, despite its promise, the widespread adoption of hydrogen presents formidable challenges for European industries. Transitioning towards hydrogen-based processes necessitates substantial investments in infrastructure, technology innovation, and regulatory frameworks. Furthermore, industries reliant on carbon-intensive processes face the daunting task of reconfiguring their operations to align with decarbonization objectives. This panel discusses the dual narrative of hydrogen's contribution to European climate targets and the concomitant challenges confronting industries as they navigate the transition towards a low-carbon future.

Programme

Contribution of hydrogen to the European climate targets

10.30 – 10.40 [Apertura e messaggi di benvenuto](#)

Corrado Peraboni, CEO Italian Exhibition Group
 Jochen Köckler, Chairman of the Managing Board, Deutsche Messe AG

10.40 – 11.20 Hydrogen best-Cases

Henning Uck, Special Projects Manager, GP JOULE Hydrogen
Decentralized ecosystems for green hydrogen production as an accelerator of energy transformation

Valentina Dondi, Sales Director Chemical O&G Vertical market, Siemens Spa
A technology and reliable partner along the hydrogen value chain

Challenges for European industry due to decarbonisation

11.20 – 12.00 Impulse and Panel discussion

ERREDUE

Luca Giacomelli, Senior Sales Manager, Erredue
L'idrogeno come elemento fondamentale dell'economia circolare a impatto zero: analisi di due casi di successo

H2IT

Cristina Maggi, Project Manager, H2IT
Le condizioni politiche e normative per lo sviluppo di un mercato italiano delle applicazioni dell'idrogeno.

Tavola Rotonda

Erredue – Luca Giacomelli
 H2IT – Cristina Maggi
 GP JOULE – Henning Uck
 SIEMENS – Valentina Dondi

Moderator:

Barbara Gasperini, Journalist, author | Green & Blue | La Repubblica

Conclusion: greetings and thanks

WEDNESDAY 28
 FEBRUARY

12:00 -
 13:00

Lorenzo Cagnoni
 Dome –
 Innovation Square

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

OPENING CEREMONY

Language: Italian
 Simultaneous translation: English

Maurizio Renzo Ermeti, Presidente Italian Exhibition Group Spa

Anna Montini, Assessora alla Transizione Ecologica (Ambiente, Sviluppo Sostenibile, Pianificazione e Cura del Verde Pubblico), Blu Economy, Statistica del Comune di Rimini

Stefano Locatelli, Vicepresidente ANCI - Associazione Nazionale Comuni Italiani

Paolo Arrigoni, Presidente GSE - Gestore dei Servizi Energetici

Gilberto Pichetto Fratin, Ministro dell'Ambiente e della Sicurezza Energetica

Modera

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

WEDNESDAY 28

FEBRUARY

14:30 -

16:30

Lorenzo Cagnoni
Dome -
Innovation Square
On-site & live
streaming event
[Click here](#)

KEY ENERGY SUMMIT

Language: Italian

Simultaneous translation: English

Programme

Institutional Greetings

Corrado Arturo Peraboni, Amministratore Delegato Italian Exhibition Group Spa

Introduction

Gianni Silvestrini, KEY Technical Scientific Committee President

Presentation by Alessandro Marangoni of the Althesys study.

"System governance, the key to transition."

A coordinated strategy for renewables, storage and grids to decarbonize Italy

The transformation underway in the energy sector, driven both by European climate-energy policies and by geopolitical, technological and market evolution, requires a different and more effective government of the Italian electricity system in its different articulations.

Italy must be able to meet energy demand in a sustainable, safe, efficient and economic way, through an adequate design that allows the development of renewable sources with an efficient market, lean authorization processes and an adequate infrastructure.

The growth of renewable generation must fit harmoniously into an electricity system that must meet the requirements of stability, safety and adequacy. The combination of large scale utility systems, distributed generation and models such as CERs, makes the design of the system even more complex and challenging.

The study aims to propose solutions to govern in a harmonised way the growth, in time and space, of renewables and infrastructure, networks and storage.

The analysis, therefore, develops a holistic approach, highlighting how Italy needs a coordinated development, in time and space, of support measures (such as DM FERx), connections and hosting capacity, flexibility and accumulation systems, for this purpose using in a harmonised way tools such as regulation, simplifications and environmental, areas suitable and acceleration, burden sharing.

The lack of coordination of the various components leads to significant costs and delays that make it difficult, or at least not efficient, both economically and environmentally, the achievement of decarbonisation targets.

SUMMIT Round Table of the Renewable Sources:

"The proposals of the Associations of renewables"

ANEV - Simone Togni
 ANIE Rinnovabili - Alberto Pinori
 Assoidroelettrica – Paolo Taglioli
 CIB – Piero Gattoni
 Coordinamento Free - Attilio Piattelli
 Elettricità Futura – Agostino Re Rebaudengo
 FederIdroelettrica – Paolo Picco
 Italia Solare - Paolo Maria Rocco Viscontini

Conclusions: the point of view of the Ministry of Environment and Energy Security

Gilberto Pichetto Fratin, Ministry of Environment and Energy Security

WEDNESDAY 28
 FEBRUARY

16:20 -
 17:30

Energy Transition
 Arena A1 Pav.

**EFFI – Energy
 Efficiency Expo**

*On-site & on-
 demand event*

[Click here](#)

Energy efficiency serving the sports world

Language: Italian

organized by Federesco

Raise awareness of the sector in view of the large investment 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 reduced costs in utility bills, energy savings and renewable energy production should there be space made available.

Federesco, together with industry players, therefore aims to fuel the discussion and reason about possible solutions for professionals, public administration and companies to encourage investments aimed at energy efficiency and make the sector become a driver for the issue.

Session Chairmen

Claudio G. Ferrari, President of Federesco

Programme

16.20 **Introduction**

Claudio G. Ferrari, President of Federesco

16:25 **The sports world in light of the challenges of decarbonization**

Diego Nepi Molineris, CEO of Sport & Salute

16.35 **The energy situation in Italy**

Prof. Antonio Pezzini, European Economic and Social Committee

17.00 **The financial aspects of achieving energy efficiency goals**

Debora Miccio, Head of Commercial Management ICS, Istituto per il Credito Sportivo

17.10 **Co-financing for sports facilities**
Marcello Tiddia, General Manager of Garanzia Etica

17:20 **Overview of sports facilities in Italy**
Ezio Ferrari, President of AIS – Associazione Impianti Sportivi

17.30 **Examples of energy efficiency in sports facilities**
Giuseppe Rinaldi, Ancitel Energia & Ambiente

Conclusions

Federesco

WEDNESDAY 28
FEBRUARY

16:30 -
18:00

Efficiency Arena B5
Pav.

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

The revision of UNI CEI 11339: the EGE protagonist in the energy transition

Language: Italian

organized by FIRE, Assoege

After 3 years of work, the revision of UNI CEI 11339 relating to the certification of the Energy Management Expert (EGE) has been published. The conference will illustrate the changes in the new standard on EQF (European framework of professions), energy auditors and in particular regarding the new tasks, knowledge and skills that the experts must have to achieve certification. We will then move on to a series of certified EGE experiences useful for giving indications on the opportunities that this kind of certification offers today to reduce energy demand, and regulatory obligations and high prices.

Session Chairman

Francesco Belcastro, FIRE-SECEM

Programme

Introduction and welcome

Francesco Belcastro, FIRE-SECEM

The revision of UNI CEI 11339 in detail

Francesco Belcastro, FIRE-SECEM

EGE between consulting, energy management and innovation

Michele Santovito, ASSOEGE

Experiences of certified EGE

Andrea Fabbri, Daniel Parias, Marco Sotte

Q&A

WEDNESDAY 28
FEBRUARY

17:30 -
18:30

Energy Transition
Arena A1 Pav.

**Considerations
on Energetic
Strategies**

*On-site & on-
demand event*

[Click here](#)

Project SUN4U, developing CERs with a click

Language: Italian

organized by Federesco

Renewable Energy Communities are a key to success for the transition and can become a powerful tool to fight energy poverty which now affects 9% of the Italian population. This is the objective that has allowed Federesco to win a call for tenders by ICLEI Action Fund, together with the Google Foundation, for the SUN4U - Energy for All project.

The Federation's proposal envisages the creation of a digital platform to guide users in the creation of Renewable Energy Communities (RECs) in the city of Rome. The objective is to overcome the main difficulties in the development of this transition model: aggregation of members; sharing of the information needed to simulate the best CER configuration; and identification of the financial resources to build the system.

Alongside Federesco and the Department of Social and Health Policies of Roma Capitale there will also be ENEA and the CITERA research centre Sapienza University of Rome, which will bring their expertise and knowledge of the sector. A strong networking action with other similar initiatives - such as that carried out for the European Horizon 2020 project SUN4ALL solar for all - will strengthen the project by paving the way for replication at local level, in Italy and in Europe.

Session Chairmen

Claudio Ferrari, President of Federesco

Programme

5.30 p.m. **Introduction and welcome**

Claudio G. Ferrari, President of Federesco

5.30 p.m. **Resources for the transition process**

Arthur Hinsch, Officer ICLEI - Sustainable Resources, Climate and Resilience

5.35 p.m. **Reference legislation**

Prof. Antonio Pezzini, European Economic and Social Committee

5.50 p.m. **The legal reference model**

Alfonso Bonafede, Bonafede & Partners Law Firm

6.00 p.m. **The role of research in transition processes**

Spartaco Paris, CITERA Sapienza Research Centre Director

6.10 p.m. **Supporting innovative tools, the SUN4U project**

Patrick Maurelli, Federesco International Projects Manager

6.20 p.m. **Data and mapping, the relevance for consumer and prosumer**

Alessandro Chelli Co-founder of Apio

6.30 pm **Conclusions**

Federesco

THURSDAY 29 FEBRUARY

THURSDAY 29
FEBRUARY

09:30 -
11:00

City&Mobility
Arena C1 Pav.

**E ME - E Mobility
Expo**

*On-site & on-
demand event*

[Click here](#)

Skills for doing business and working in e-mobility

Language: Italian

organized by Motus-E

Skills and the ability to innovate are essential requirements to seize the new opportunities of electric mobility, but to understand how to move you need a reliable compass.

The TEA Observatory was created to respond to this need and thanks to the results of its latest survey will help more and more entrepreneurs to find the key to ride the transition, grow and create jobs.

Starting from the results of the analysis, the panel will then explore the perspectives of the Italian automotive-energy ecosystem, involving representatives of industry, institutions and the universe of education, in an open debate aimed at identifying the right path to maximize the competitiveness of companies and the Country System.

Session Chair

Francesco Naso, Segretario generale Motus-E

Programma

Introduction

Francesco Naso, Segretario generale Motus-E

Giuseppe Giulio Calabrese, Responsabile survey e analisi dati Osservatorio TEA

Raphael Héliot, Policy manager Avere

Industry Focus

Moderator:

Francesco Naso, Segretario generale Motus-E

Federico Caleno, Head of Enel e-mobility Italy e CEO Ewiva

Ambrogio Cassini, Responsabile e-mobility Repower

Daniel Cascone, Head of Sales Be Charge

Training Focus

Moderator:

Leonardo Artico, Responsabile Industria e Formazione Motus-E

Claudio Cavallotto, Direttore Rete di scuole per la mobilità sostenibile

Giulio Genti, Direttore ITS Italy *

Francesco Leali, Consigliere delegato MUNER - Motorvehicle University of Emilia-Romagna

* *Speaker invited to be confirmed*

THURSDAY 29
FEBRUARY

09:45 -
11:00

Neri 2 Room
South Hall

**Considerations
on Energetic
Strategies**

*On-site & live
streaming event*

[Click here](#)

Energy transition: less cost and more security for Italy

Language: Italian

organized by **Elettricità Futura**

Accelerating the energy transition is the solution to reducing costs and guaranteeing the security of supply and competitiveness of our companies, as the IEA, EIB and ECB have also stressed. Italy saved 25 billion in 2022 thanks to renewables, which currently still only account for 43% of electricity. Bringing renewables to 84% of the electricity mix, as envisaged in the Electricity Plan 2030, really means increasing energy security and strengthening the national economy, creating over half a million new jobs in Italy. The event organized by Elettricità Futura will bring together institutions and leading companies in the electricity sector to discuss the most urgent actions to make the regulatory and authorization framework a driver for the country's transition.

Programme

Moderator:

Laura Serafini, Journalist Il Sole 24 Ore

9.45 **Introductory remarks**

Agostino Re Rebaudengo, President, Elettricità Futura

Round Table

Luca Alippi, CEO, EP Produzione Spa

Giuseppe Argirò, CEO, CVA Spa

Alessandro Garrone, Executive Vice President, Erg Spa

Francesco Giunti, Energy evolution integrated initiatives & regulatory Activity Eni Spa;
Chairman, EniPower Spa

Vincenzo Colla, Councilor for economic development and green economy, labor,
training and international relations, Emilia-Romagna Region

Silvia Fregolent, Senator of the Republic

10.50 **Conclusions**

Paolo Arrigoni, President, GSE

THURSDAY 29
FEBRUARY

10:30 -
12:00

Diotallevi 2 Room
South Hall

**EFFI – Energy
Efficiency Expo**

*On-site & on-
demand event*

[Click here](#)

Measurement and verification for energy efficiency and renewables

Language: Italian

organized by **FIRE**

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 applied to other areas, in support of renewables and decarbonisation.

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

Chairman

Daniele Forni, FIRE

Programme**10.15 Welcome and introduction**

Daniele Forni, FIRE

10.20 IPMVP and EVO publications

Denis Tanguay, EVO

10.30 M&V for optimization of optimization of compressed air systems

Claudio Martorana, EGE PMVA

10.45 M&V of heat recovery in catering

Stefano Perboni, EGE PMVA

11.00 M&V and optimization in tertiary sector

Giulio Troncarelli

11.15 M&V in PPP, Luca Cignatta

Edoardo Micconi, EGE PMVE

11.30 Option D in residential sector

Luca Berra, EGE PMVA

11.45 Discussion

12.00 Closing

THURSDAY 29
FEBRUARY10:30 -
13:00Neri 1 Room South
Hall**WEM - Wind
Expo for Med**
On-site & on-
demand event
[Click here](#)**Simplifications in authorization to achieve PNIEC goals**

Language: Italian

organized by ANEV

Simplify the authorization process for wind power plants in order to give a boost to the achievement of the PNIEC objectives, establish a Steering Committee at the Presidency of the Council of Ministers, provide support mechanisms and support for the sector, establish specific tools for the development of the Power Purchase Agreement, amend and update Annex II of Ministerial Decree 10-9-2010 "Guidelines for the authorization of plants powered by renewable sources" to allow that in the territories the compensation funds can also be used for cultural enhancement projects or social activities so as to facilitate the involvement of local political actors and avoid conflicting relationships with the territories, so as to make the wind sector an economic, industrial and cultural response to the energy crisis and the necessary process of decarbonization of the economy. These are the issues that we will address with leading energy sector representatives.

Programme

Introduction: Simone Togni, ANEV President**PNIEC targets by 2030**

Massimiliano Atelli, Presidente Commissione VIA
 Giovanni Di Scipio, Capo Legislativo Mase *
 Nicola Procaccini, Deputato Parlamento Europeo *
 Alessandra Toschi, BayWa r.e. *
 Andrea Giordano, Vice Capo di Gabinetto Mase
 Simona Brancaccio, Staff Valutazioni Ambientali Regione Campania
 Stefano Scazzola, Head of Renewable Energies Development ENGIE Italia

ANEV Journalism Award Ceremony

Giuseppe Pasqualicchio "Energia del Vento"

* *Speaker invited to be confirmed*

THURSDAY 29
 FEBRUARY

11:00 -
 13:00

Lorenzo Cagnoni
 Dome -
 Innovation Square
*On-site & live
 streaming event*
[Click here](#)

Supply chains of the future: presentation of the 2nd Report on the production geography of renewables in Italy

Language: Italian

Simultaneous translation: English

organized by Symbola Foundation, Italian Exhibition Group

The new edition of the Filiere del futuro report, promoted by Fondazione Symbola and Italian Exhibition Group, in collaboration with the main industry associations such as AIEL, ANEV, ANIE, FEDERIDROELETTRICA, and ITALIA SOLARE, will analyze the prospects for the development of renewables between now and 2030 and the characteristics and sectoral and territorial distribution of companies active and potentially active in the photovoltaic, wind, hydroelectric, solar thermal, geothermal, and bioenergy sectors.

Programme

Introduction and welcome

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

Moderator:

Nicola Saldutti, Economy Editor-in-Chief, Corriere della Sera

Report Presentation

Domenico Sturabotti, Director, Symbola Foundation

Gianni Silvestrini, President of KEY Technical Scientific Committee

Round Table "Discussing it"

Ermete Realacci, President Symbola Foundation

Nicola Lanzetta, Director Italy Enel Group

Letizia Magaldi, Vice President Magaldy Green Energy

Agostino Re Rebaudengo, President Elettricità Futura and CEO Asja Ambiente

Round Table "Case Histories"

Matteo Demofonti, Vice President Product Strategy & Commercialization, Global Solar. Convert Italy

Stefano Lorenzi, CEO 3SUN

Francesco Oppici, CPO and Co-founder Energy Dome

Francesco Amati, General manager, Vestas Italy and Turkey

Luca Cattedri, Head of Commercial Offshore Wind Saipem

Paolo Menotti, Managing Director Siemens Energy Italia

Stefania Ferrero, Ambassador of Innovation, Comau

THURSDAY 29
FEBRUARY

11:00 -
13:00

Ravezzi Room
South Hall

**Solar & Storage
For Med**
On-site & on-
demand event
[Click here](#)

MACSE: The future market for electrical storage systems



Language: Italian

organized by ANIE Federazione

Nel 2024 l'Italia terrà aste per l'accumulo di energia elettrica su larga scala. ARERA e TERNA stanno delineando il quadro normativo del MACSE per l'attuazione dell'art. 18 del D.Lgs. 210/2021 che recepisce la direttiva europea sul mercato elettrico. La Commissione Europea ha approvato il piano italiano da 17,7 miliardi di euro per la realizzazione e la gestione di sistemi di accumulo centralizzato di energia elettrica, con 9 GW/71GW/h fino al 31 dicembre 2033. Durante la conferenza si intende offrire una panoramica europea delle politiche di promozione dei sistemi di accumulo su scala utility e delle migliori pratiche adottate in Europa dagli Stati membri. Verranno inoltre illustrati i punti principali dello schema adottato in Italia. Un'azienda evidenzierà gli ostacoli allo sviluppo con gli investimenti e le potenziali soluzioni. Nella tavola rotonda ogni relatore fornirà la propria visione sul ruolo dello storage nel disegno del mercato e darà un parere sul quadro normativo definito da ARERA e TERNA.

Programma

11.00 Registration of participants

Moderator:

Michelangelo Lafronza, Secretary of ANIE Rinnovabili

Welcome and introduction

Raffaello Teani, Chairman of the Storage Systems Group of ANIE Federation

European storage and markets: policies, strategies, and the 2030 perspective

Jacopo Tosoni, Head of Policy EASE European Association for Storage of Energy

The auctions of the storage systems in Italy

Alessandro Marangoni, Chief Executive Officer Althesys

Strength and weakness of the mechanism according to a market operator

Diego Maria De Luca, Senior Long Term Flexible Generation Portfolio Manager
ENGIE Italia

Storage and the electricity market: current situation and prospects

Fabio Zanellini, Chairman of the Storage Systems Group Technical Commission of
ANIE Federation

Round table: **The role of the storage systems in the market design**

Moderator:

Fabio Zanellini, Chairman of the Storage Systems Group Technical Commission of
ANIE Federation

Federico Boschi, Head of the Energy Department MASE, Francesco Del Pizzo
Francesco Del Pizzo, Director of Grid Development and Dispatching Strategies
Terna

Massimo Ricci, Director of Energy Division ARERA

Giovanni Rosada, Storage Business Developer Renantis

13.00 Closure

THURSDAY 29

FEBRUARY

11:30 -

13:00

City&Mobility
Arena C1 Pav.

**Considerations
on Energetic
Strategies**

*On-site & live
streaming event*

[Click here](#)

Youth for Renewable Energy Communities

Language: English

Simultaneous translation: Italian

organized by Kyoto Club

Background

Renewable Energy Communities (RECs) play a pivotal role in accelerating the energy transition, fostering local generation and consumption of renewable energy. An REC operates as a localized, participatory, and integrated system, primarily focusing on renewable energy generation, distribution, and consumption, while underscoring community benefits and involvement. The concept of a “Energy Community” is central to this approach, aiming to optimize local energy systems through improved efficiency, flexibility, and local generation from renewable sources. REC development hinges on the collaboration of various key stakeholders, including public administrations, utilities, energy producers, and users, encompassing both consumers and prosumers.

Workshop Overview

The platform **'Youth for Renewable Energy Communities'** will present the following topics at KEY 2024. Since September 2023, at Politecnico Torino, 60 Master Students in Sustainable Architecture from diverse countries, including Afghanistan, China, Colombia, Egypt, Ethiopia, Finland, Georgia, Germany, India, Iran, Italy, Lebanon, Kosovo, Mexico, Nigeria, Russia, Sri Lanka, Turkey, have engaged in a comprehensive workshop on "Energy Transition and Low Carbon Architecture". This initiative aimed at creating Renewable Energy Communities across Europe, focusing on 8 selected sites for design, analysis, and portrayal. The 4-month workshop underscored the significance of promoting sustainable development models to enhance quality of life and investing in local economies. It adopted a holistic, interdisciplinary approach to addressing urban and rural development issues.

Format

The 'Youth for Renewable Energy Communities' series is structured into four sets of duets, each representing different community types:

- Urban Communities: 2 in The Netherlands
- Sub-urban Communities: 2 in Northern Italy
- Countryside Communities: 1 in Central Italy and 1 in Hungary
- Island and Remote Communities: 1 in Southern Italy and 1 in the United Kingdom

Tutors and international experts will discuss the workshop's outcomes, presenting their insights in the final session.

Key Features

The workshop's key outcomes include:

- Exploration of renewable energy potentials: solar, biomass, biogas, wind.
- Analysis of end-use balance and Reference Energy System across sectors: housing, tertiary, transportation, industrial, agriculture.
- Innovative solutions in green hydrogen generation using PV, wind, and geothermal energy.

Programme

11:30 Workshop Introduction

Empowering Youth for Renewable Energy Communities | Roberto Pagani (IT)
 Future buildings for future Renewable Energy Communities | Enrico Fabrizio (IT)
 Concepts for Renewable Energy Communities in Europe | Chiel Boonstra (NL)

12:00 Youth for Renewable Energy Communities: the Workshop

The Workshop on 8 Renewable Energy Communities in Italy, The Netherlands, Hungary, UK.

Slide Show by University Master Students: | 1.Process | 2.Plan | 3.Project | 4.Performance |

12:20 Youth for Renewable Energy Communities: The Vision

The Vision clarified by University Master Students

Expert Insights on Youth for Renewable Communities

Chiel Boonstra (NL), Corrado Carbonaro (IT), Maria Ferrara (IT), Loredana Torsello (IT)

12:50 Reflections and Considerations | Gianni Silvestrini (IT)

13:00 Wrap up

THURSDAY 29

FEBRUARY

11:30 -

13:30

Neri 2 Room

South Hall

**Solar & Storage
For Med**

*On-site & on-
demand event*

[Click here](#)

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

Language: Italian

organized by Kyoto Club, Legambiente

The days when Key Energy 2024 takes place will be the days when, with the issuance of the GSE Guidelines, energy communities can finally come to life. And we will be on the eve of the PNRR call for proposals intended for those to be built in Small Municipalities (2.2 billion euros).

The conference will be an opportunity to present the Legambiente Report on the existing ones and to analyze the prospects of energy communities and their role in addressing the increasingly pressing issue of energy poverty not only in small municipalities, because from this point of view, too, energy communities will be able to be a useful tool in big cities as well.

Session chair

Francesco Ferrante, Vicepresidente Kyoto Club

Programme

Introduce

Mariateresa Imparato, Segreteria Nazionale Legambiente

Alessandra Bonfanti, Responsabile Piccoli Comuni Legambiente

Presentation of Legambiente Report Renewable and Supportive Energy Communities in Italy.

Ottavia D'Agostino, Ufficio energia Legambiente

Discussion

Estella Pancaldi, GSE

Edoardo Zanchini, Comune di Roma

Piergabriele Andreoli, AESS

Nicola Nardella, VIII Municipalità Comune di Napoli

Sandro Scollato, AzzeroCO2

Isabella Andrighetti, Touring Club Italia

Fiorello Primi, Borghi più belli di Italia

Franco Marinelli, Borghi autentici

Gianluigi Granero, Legacoop

Davide Gavaneli, Bryo

Conclusions

Stefano Ciafani, Presidente Legambiente

THURSDAY 29
FEBRUARY

14:00 -
15:30

Mimosa Room
Pav. B6

**Considerations
on Energetic
Strategies**

*On-site & on-
demand event*

[Click here](#)

CHECKMATE FOR RENEWABLES 2024. Where do we stand on renewables development and meeting climate goals? What blockages are still preventing the development of these technologies?



Language: Italian

organized by Legambiente

In the face of increasingly evident extreme events, social and energy crises, increasing dependence on fossil fuels, and international agreements, the development of renewables becomes a priority and unavoidable. Yet, while the Gola Thundra is being approved in 6 months, clean technologies are struggling to get off the ground, with insufficient simplifications, national and local regulatory hurdles, and thousands of projects awaiting evaluations that are putting businesses in trouble and costing jobs.

What obstacles still need to be overcome to reach 90 GW of renewables by 2030? The meeting will be an opportunity not only to bring together the various stakeholders in the sector, but above all to take stock of the critical issues to be addressed and possible solutions to be put in place to accelerate the energy transition.

Session chairs

Giulia Assogna, The New Ecology

Katiuscia Eroe, Legambiente energy manager

Legambiente Report Presentation. CHECKMATE FOR RENEWABLES 2024. The symbolic stories of the blockade on renewables

Discussion:

Massimiliano Atelli, president of the Via Vas Commission

Agostino Re Rebaudengo, president of Elettricità Futura

Simone Togni, president of Anev

Emilio Sani, Italia Solare

Andrea Porchera, Renexia

Attilio Piattelli, Coordinamento Free

Marco Guarneroli, CEO of Vector Renewables

Stefano Scazzola - Head of Renewable Energies Development ENGIE Italy

Concludes

Stefano Ciafani, President of Legambiente

THURSDAY 29
FEBRUARY

14:00 -
15:30

Efficiency Arena B5
Pav.

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

Energy manager: appointment, role, and resources

Language: Italian

organized by FIRE

The energy manager is a fundamental figure in the energy transition process. His/her skills bring together energy issues and those related to the reduction of greenhouse gas emissions, ensuring optimal energy management and the use of renewable sources and solutions for the decarbonisation of the activities of companies and entities. The workshop will provide data on the energy managers in Italy, give indications on how to appoint them in view of the legal deadline of 30 April, talk about the connection with the EGEs and the new certification of energy management experts and will show interesting case studies.

Session Chairman

Dario Di Santo, FIRE

Programme

14:00 Introduction and greetings

Dario Di Santo, FIRE

14:05 The evolution of energy managers

Dario Di Santo, FIRE

14:20 The new Italian standard on EGE

Francesco Belcastro, SECEM

14:35 Hot to appoint an energy manager

Jacopo Romiti, FIRE

14:50 Case studies, energy managers

Luca Paganelli, Comune di Rimini

15:05 Case studies, energy managers

Ilihc Ghinello, Consorzio della Bonifica Renana

15:20 Q&A

15:30 Closure

THURSDAY 29
FEBRUARY

14:00 -
15:30

Neri 1 Room South
Hall

**Considerations
on Energetic
Strategies**

*On-site & live
streaming event*

[Click here](#)

Renewable energy communities (RECs) as drivers of energy transition. The role of GSE in supporting the operators

Language: Italian

organized by Gestore dei Servizi Energetici – GSE S.p.a.

The meeting offers an opportunity to deepen, together with GSE technicians, the opportunities related to renewable energy communities and to the configurations of self-consumption, in order to foster the sharing of renewable energy. A dedicated Q&A session is scheduled.

Session President

Ing. Paolo Arrigoni, President of GSE S.p.A

Programme

Opening and Greetings

Paolo Arrigoni, President of GSE

Regulatory Framework and Operational Rules

Davide Valenzano, Regulatory Affairs Unit Manager at GSE

Access Modes to Benefits and Support Tools

Davide Di Giuseppe, Self-consumption and Energy Communities Unit Manager at GSE

Renewable Energy Communities and Self-consumption, two fundamental gears for the country's energy transition

Mauro Mallone, Director General at Ministry of Environment and Energy Security

Q&A

THURSDAY 29
FEBRUARY

14:00 -
16:00

Neri 2 Room
South Hall

**Considerations
on Energetic
Strategies**

*On-site & on-
demand event*

[Click here](#)

Storage and Grids: enablers of the energy transition in Italy



Language: Italian

organized by ANIE Federazione and Elettricità Futura

The Electricity Plan 2030 envisions reaching 84 percent renewables in the Italian electricity mix, doubling the current value. To do so requires the installation of at least 12 GW per year of new renewables, to reach a total of 143 GW of installed renewables by 2030, and 80 GWh of new large-scale storage systems. Achieving the goal requires adequate and widespread development of grid infrastructure and storage, two enablers of the transition that will enable the efficient integration of new renewable power into the electricity system. The event organized by ANIE Federazione and Elettricità Futura will bring together leading institutions and companies in the electricity sector to discuss the most urgent actions to develop electricity transmission and distribution networks and new storage capacity.

Programme

Moderator

Fausta Chiesa, Journalist, Corriere della Sera

14:00 **Introductory greetings**

Filippo Girardi, President, ANIE Federazione

Agostino Re Rebaudengo, President, Elettricità Futura

14:10 **Keynote presentation**

Nicola Lanzetta, Italy Director, Enel Spa

14:20 **Roundtable Discussion - Accumulation systems and grid infrastructure**

Giulio Antonio Carone, Managing Director, Areti

Ivan Niosi, CEO Renewable Generation, Shell Energy Italia

Raffaello Teani, Member of the Board, ANIE Energia

Daniele Rosati, Storage Utility Scale Group Coordinator, ANIE

Fabrizio Tortora, Head of New Asset Development and Execution, Renantis

Fabio Zanellini, Energy Market & Regulations Manager, Neoen Renewables Italia

Roundtable will be attended by:

Michele Fina, Senator of the Republic

Luca Squeri, Member of the Chamber of Deputies

15:40 **Conclusions by**

Fabio Bulgarelli, Director of Regulatory Affairs, Terna

Giovanni Di Scipio, Chief of Legislative Office, Italian Ministry of Environment and Energy Security

THURSDAY 29
FEBRUARY

14:00 -
17:00

Ravezzi Room
South Hall

Africa

On-site & live
streaming event

[Click here](#)

Scaling-Up a sustainable electrification in Africa, for Africa with Africa. Side Event RES4Africa – Towards G7 Energy

Language: English

Simultaneous translation: French, Italian

organized by RES4 Africa Foundation

Session 1: North Africa and Middle East

Africa's most pressing priority is its imperative for sustainable socio-economic development. African countries have an urgent and immense need to accelerate economic growth, develop multiple infrastructures, create jobs, and expand access to services in order to improve livelihoods across the continent.

Africa's demand for energy will increase rapidly in the near future: clean energy production and electrification will play a central role in delivering that demand and all efforts directed to support the development of such infrastructures in Africa align with strategies meant to support Africa's socio-economic growth - especially from clean energy sources.

To overcome the continent's key energy challenges, long term action on three priority areas will be needed to deliver sustainable electrification in Africa. Any scenario will require to:

- Reach quickly universal access to reliable and competitive modern energy,
- Invest in climate resilient and compatible modern power infrastructure, both on generation side and in transmission and distribution,
- Support green industrialization policy strategy taking into account the role of local human capital growth and of critical minerals resources.

The two days event will underline the key priorities to be addressed and the key challenges to be faced in the field of renewable energy solutions, infrastructures, storage systems, hydrogen and digitalization.

Programma

14:00-14.30 Registration

14:30-15:15 **OPENING REMARKS**

Gianni Silvestrini, President of KEY Scientific Committee

Salvatore Bernabei, CEO ENEL GREEN POWER and President Res4Africa

INSTITUTIONAL WELCOME

Mohammed Ouhmed, Director of the Directorate of Renewable and Energy Efficiency, Ministry of Energy Transition and Sustainable Development

KEYNOTE SPEECHES -The Electrification of Africa

Roberto Vigotti, Secretary General Res4Africa

15:15 – 16.30 **PANEL - The future of Power Infrastructure in North Africa and Middle East**

Moderator:

Andrea Bombardi, EVP RINA

Panellists:

Imed Amara, Co-gérant Elmed études STEG

Jauad El Kharraz, Director RCREEE Center of Arab League Cairo

Sellami Rabah, Director of Hydrogen and alternative Energies CEREFÉ Algérie

Angelo Ferrante, Secretary General Med-TSO

Massimo Benedetti, CEO Advisory PwC

Paolo Perani, Sustainability Manager ELDS Division ABB

** Invited speaker TBC*

THURSDAY 29

FEBRUARY

15:30 -

17:30

Neri 1 Room South
Hall

**WEM - Wind
Expo for Med**

*On-site & on-
demand event*

[Click here](#)

Wind power industry for the energy transition

Language: Italian

organized by ANEV

Wind power is a technologically mature source that has seen a significant evolution in terms of application in recent times, thanks to increasingly high-performance plants and the spread of wind power at sea. Because of its potential, wind power can provide a boost to the energy transition.

Programme

Introduction:

Simone Togni, Presidente dell'ANEV

Federico Boschi, Capo Dipartimento Mase

Paolo Barabucci, Head of Business Development and M&A Italy, Germany and Eastern Europe

Vinicio Vigilante, GSE *

Francesco Amati, Vestas

Francesco Del Pizzo, Direttore Strategie di sviluppo rete e dispacciamento Terna *

Paolo Raia, Country chair - RWE Italia

Flavio Villa, Country manager Hitachi

Valerio Faccenda, Iberdrola

Stefano Ciafani, Presidente Legambiente

** Speaker invited to be confirmed*

THURSDAY 29
FEBRUARY

16:00 -
18:00

Lorenzo Cagnoni
Dome -
Innovation Square

**Considerations
on Energetic
Strategies**

*On-site & live
streaming event*

[Click here](#)

Regions and the challenge of climate neutrality. Presentation of CIRO: the first database with data and best practices of Italian regions

Language: Italian

organized by Italy For Climate

Regions are an indispensable player to make the energy transition and achieve climate goals. To support regional administrations in the decarbonization process of their territories, Italy for Climate has developed in collaboration with Ispra the first database that, through 26 indicators divided into eight thematic areas, allows to analyze, monitor and compare the performances of all Italian Regions and to share good practices. The event will be the occasion to preview its main results and discuss them with institutions and regional administrations.

Programme

Introduction remark and moderation

Chiara Giallonardo, Journalist RAI

16.10 Meet CIRO The first database on regional performance developed by Italy for Climate in collaboration with Ispra

Andrea Barbabella, Scientific Officer, Italy for Climate

16.30 The green revitalization of Italy and Europe: a challenge in the hands of the regions

Daniela Romano, Head of Atmospheric Emissions Section, Ispra

Federico Boschi, Head of Energy Department, Ministry of the Environment and Energy Security

Giorgio Maione, Vice presidency, Regions4 Sustainable Development Europe
Councillor of Environment and Climate, Lombardia Region

17.00 Roundtable -Regions leading the energy transition

Andrea Orlando, Chief of Cabinet, Emilia Romagna-Region

Roberto Morroni, Vicepresident, Umbria Region

Anna Grazia Maraschio, Councillor of Environment, Puglia Region

Fabio Scoccimarro, Councillor of Environment and Energy, Friuli Venezia Giulia
Autonomous Region

17.45 Conclusion

Edo Ronchi, President, Sustainable Development Foundation

THURSDAY 29
FEBRUARY

16:15 -
17:30

Hydrogen Arena
B2 Pav.

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

Green Hydrogen: national strategies and opportunities for collaboration with Latin American countries

Language: Spanish
Simultaneous translation: Italian

organized by IILA - Organizzazione Internazionale Italo-Latino Americana

In recent years, green hydrogen has begun to play an increasingly important role globally, proposing itself as an important source of clean and sustainable energy. The development of this energy vector is also of close interest to many countries in the Latin American region and according to World Bank data – with 2030 as a perspective – Latin America is one of the potentially most competitive areas for the production of green hydrogen. In view of the growing interest in the region, several countries are developing actions to promote the sector and several pilot projects are underway, from private initiatives to others with associations of public companies. The national strategies on green hydrogen of Latin American countries will be presented and development and investment opportunities in the region will be discussed during the event.

Section Chair

Giselle Canahuati, Socio-Economic Secretary IILA

Programme

Introduction and welcome

Giselle Canahuati, Socio-Economic Secretary IILA

Uruguay's Green Hydrogen Strategy

Walter Verri – Deputy Minister of Industry, Energy and Mining of Uruguay / Federico Ferres – Uruguayan Hydrogen Association

Paraguay's Green Hydrogen Strategy

Gustavo Giménez - Deputy Minister of MiPymes of Paraguay

Chile's Green Hydrogen Strategy

Maria Helena Lee – Director of the International Relations Office, Ministry of Energy of Chile

Colombia's Green Hydrogen Strategy

Maria Victoria Ramirez – Director of Energy, Ministry of Mines and Energy of Colombia

Dominican Republic's Green Hydrogen Strategy

Rafael Steven Castillo Moreta – Ministry of Energy and Mining of the Dominican Republic

Brazil's Green Hydrogen Strategy

André Collins Campedelli - Head of the Office of Economic Affairs and Energy, Embassy of Brazil in Rome

Bianca Castro – Researcher, Study Group of the Electric Sector of the Federal University of Rio de Janeiro (GESEL-UFRJ)

Green Hydrogen in Honduras

Gerardo A. Salgado - Director of Green Hydrogen Development in Honduras

Green Hydrogen in Costa Rica

Javier Bonilla Herrera – President of the Costa Rican Hydrogen Association

Q&A - Moderator and Conclusions: José Luis-Rhi Sausi, Coordinator of the Pymes Forum - IILA

THURSDAY 29
FEBRUARY

16:30 -

18:00

City&Mobility
Arena C1 Pav.

**E ME – E Mobility
Expo**

*On-site & on-
demand event*

[Click here](#)

Commercial vehicles (re)charging! Electrification of freight transport in Italy and where we stand with charging infrastructures

Language: Italian

organized by Kyoto Club, Motus-E, KEY Scientific Technical Committee in collaboration with Ecomondo

The event will focus on the current European regulatory context about the electrification of commercial vehicles and its implementation in Italy, with specific reference to the AFIR Regulation for charging infrastructures. The ZET Italia (Zero Emission Trucks Italy) will present its analysis, jointly elaborated with MOTUS-E, Italy's electric mobility alliance, on the development scenarios for electric goods vehicles and the necessary increase of available charging infrastructures. Representatives of logistics and transport companies, institutions, road and electric networks' bodies will contribute to the discussion.

Chairs

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

Programme**Introduction and welcome**

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

Analysis of the European context and the legislation for the electrification of goods

Raphael Héliot, Policy manager di AVERE

The decarbonisation of vans and trucks for goods transport and urban logistics in cities*Chair:*

Anna Donati, Coordinator – ZET Italia, Kyoto Club

Speakers:

Margherita Palladino, Responsabile Relazioni Istituzionali di ANITA
Massimo Marciani, Presidente e Fondatore FIT Consulting
Alessandro Peron, Segretario Generale di FIAP
Antonella Galdi, Vicesegretaria ANCI

Development scenarios for electric goods vehicles and the increase of necessary charging infrastructures*Chair:*

Francesco Naso, Secretary-general – MOTUS-E

Speakers:

Rappresentante di ANAS *
Antonio Bonvento, Grid Development Strategy and Dispatching di Terna
Rappresentante del MASE *
Stefano Catolino, Freeto-X
Enrico Finocchi, Presidente Albo autotrasporto MIT *

* *Speaker invited to be confirmed*

FRIDAY 1 MARCH

FRIDAY 1 MARCH

09:30 -
13:00

Neri 1 Room South
Hall

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

Italy And Europe Offshore Wind Summit

Language: Italian

Simultaneous translation: English

organized by ANEV

The prospects for offshore technology in the Mediterranean area through an analysis of industry regulations, company testimony and experience from Europe. Offshore wind is a strategic asset for the achievement of the country's decarbonization and energy transition goals, as well as a great growth opportunity for our market and for the implementation of a national industrial supply chain. In particular, the prospect of developing floating technologies to support wind turbines offers Italy considerable scope for development in the offshore wind energy sector, which would otherwise be limited to a few cases.

Programme

Opening session organized by ANEV

Introduction: Simone Togni, ANEV President

The Italian offshore wind industry

Pierluigi Nalin, Edison

Alessandro Concialini, Senior Vice President Floating Offshore Wind Fincantieri *

Andrea Porchera, Head of Institutional Relations

Bartolomeo Z. Kolosowski, Head of Offshore, Midstream and Downstream
Southern Europe, Energy Systems DNV

Fabrizio Botta, Chief Commercial Officer - Saipem

Second session Organized by ANEV, KEY Technical Scientific Committee

Quale supporto può dare la filiera europea nello sviluppo dell'offshore nel Mediterraneo

Introduction:

Giles Dickson, CEO Wind Europe

Simone Togni, ANEV President

European Clusters:

Matthieu Monnier, Head of Industry and Offshore Wind France Renouvelables

Erwin Leys, President 35 Belgian Offshore Cluster

Saverio Ventrelli, Norwegian Offshore Wind

Enrico Carloni, Energy Expert, Embassy of Denmark

* *Speaker invited to be confirmed*

FRIDAY 1 MARCH

10:00 -

13:00

Ravezzi 1 Room
South Hall**Africa***On-site & live
streaming event*
[Click here](#)

Scaling-Up a sustainable electrification in Africa, for Africa with Africa. Side Event RES4Africa – Towards G7 Energy

Language: English

Simultaneous translation: French, Italian

organized by RES4 Africa Foundation**Session 2: Sub-Saharan Africa**

Africa's most pressing priority is its imperative for sustainable socio-economic development. African countries have an urgent and immense need to accelerate economic growth, develop multiple infrastructures, create jobs, and expand access to services in order to improve livelihoods across the continent.

Africa's demand for energy will increase rapidly in the near future: clean energy production and electrification will play a central role in delivering that demand and all efforts directed to support the development of such infrastructures in Africa align with strategies meant to support Africa's socio-economic growth - especially from clean energy sources.

To overcome the continent's key energy challenges, long term action on three priority areas will be needed to deliver sustainable electrification in Africa. Any scenario will require to:

- Reach quickly universal access to reliable and competitive modern energy,
- Invest in climate resilient and compatible modern power infrastructure, both on generation side and in transmission and distribution,
- Support green industrialization policy strategy taking into account the role of local human capital growth and of critical minerals resources.

The two days event will underline the key priorities to be addressed and the key challenges to be faced in the field of renewable energy solutions, infrastructures, storage systems, hydrogen and digitalization.

Programma

10:00 – 10:30 Registration

10:30 – 11:00 **OPENING REMARKS**

Roberto Vigotti, Secretary General Res4Africa

INSTITUTIONAL WELCOME

H.E. Edmondo Cirielli, Vice Minister of Foreign Affairs and International Cooperation of Italy

KEY NOTE SPEECHES – Sub-Saharan energy priorities

Roberto Vigotti, Secretary Res4Africa

Isaac Kiva, Secretary Renewable Energy - Ministry of Energy of Kenya*

Rudi Dicks – Head of Project Management Office - Presidency of the Democratic Republic of South Africa

11:00 – 12:30 **PANEL - The future of Power Infrastructure in Sub Saharan Africa***Moderator:* Antonio Nodari, managing director AFRY

Panellists:

Yohannes Hailu Private Sector Development and Finance Division UNECA

Amel Chadli, VP Schneider Electric*

Segomoco Scheppers, Group Executive Transmission Eskom – South Africa*

H.E. Carlos Joaquim Zacarias, Minister of Mineral Resources and Energy of Mozambique (MIREME)*

Luca Matrone, Intesa San Paolo Bank

Dominique Llonch President of NIDEC Industrial Solutions

12:30 – 13:00 **CLOSING REMARKS**

* *Invited speaker TBC*

FRIDAY 1 MARCH

10:30 -

13:00

Diotallevi 1 Room
South Hall

**Considerations
on Energetic
Strategies**

*On-site & live
streaming event*

[Click here](#)

The protection of landscape in the energy transition, a possible challenge. How to combine growth of renewables and protection of natural and cultural heritage?

Language: Italian

Simultaneous translation: English

organized by Althesys

Renewables are a key resource for the energy transition, but their growth can impact on landscape. Without investment in decarbonization, however, climate change puts our natural and cultural heritage at risk. It is therefore necessary to find solutions that allow us to reconcile energy production with landscape protection, preserving the beauty and biodiversity of the territories as well as their cultural heritage.

The Italian Energy and Climate Plan predicts that electricity from renewable sources will grow from around 40% to almost 70% by 2030. At the same time, energy efficiency is a key element in reducing its needs.

Territorial planning is strategic for reconciling power generation with the environmental protection, while at the same time ensuring administrations may issue authorizations in a short time to meet the 2030 objectives.

Communities must play an active role in promoting clean energy and therefore it is important that they are involved in decision-making processes and enjoy the environmental and economic benefits brought by the energy infrastructures they host. Their distribution across the territory, for technical-economic reasons, is not uniform and for fairness, measures must be envisaged that increase the acceptability of renewables.

While the **local context** will be at the heart of the discussion, with European experts we will also contextualise it in the broader EU scenario, so understanding the global challenges and its impacts on local implementation.

Through the **sharing of knowledge** and the inspiration drawn from positive cases, including examples of energy infrastructures used to enhance biodiversity, the conference aims to promote a sustainable and harmonious energy future in EU, in which RES become an integrated resource in the territories, respectful of the environment and the communities that host them.

Programme

The impact of renewable sources on the Italian landscape, The findings of a study with the European Climate Foundation

Alessandro Marangoni, Althesys

Francesco Marghella, Althesys

An energy transition that respects landscape and biodiversity

Andrea Vettori, Head of Unit Nature Conservation Directorate, General Environment, European Commission

Rules and infrastructures

Chairman:

Alessandro Marangoni, Althesys

Antonella Battaglini, CEO Renewables Grid Initiative

Federico Boschi, Italian Ministry of Environment and Energy Security *

Massimiliano Atelli, President VIA Commission

Lionel Coquelet, Team Manager at Ecofirst.eu

The role of communities and associations

Chairman:

Giulio Meneghello, QualEnergia

Mariagrazia Midulla, WWF, Head Climate& Energy

Agostino Re Rebaudengo, President Elettricità Futura

Costanza Pratesi, Head Landscape and Heritage FAI

Simone Togni, President ANEV

Q&A

** Speaker invited to be confirmed*

FRIDAY 1 MARCH

10:30 -
13:00

Energy Transition
Arena A1 Pav.

**Solar & Storage
For Med**

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

EUPD Research Conference Session | Addressing the Challenges of Europe's Solar & Storage Boom (Large-scale Focus)

Language: English

Simultaneous translation: Italian

organized by International Battery & Energy Storage Alliance - IBESA

Discover the latest advancements and trends in the EU large-scale segment and cutting-edge technologies, including energy storage. This event promises to provide a comprehensive exploration of key EU markets, offering exclusive insights into investment hotspots, as well as ground-breaking developments in project design and equipment innovations. Navigate with us through the dynamic landscape of new installations, and explore the potential for co-locating large-scale storage.

Programme

European Solar Market Developments in 2024 and Beyond

Saif Islam, Senior Consultant, EUPD Research

Setting New Standards: SF6 Free Technologies for Solar Parks

Dirk Kaisers, Segment Leader Distributed Energy Management EMEA, Eaton

Addressing Supply Chain Issues for Successful Construction of Utility-scale Solar Projects

Filip Sypko, Key Account Manager, Menlo Electric

Unveiling Advancements: Harnessing the Power of TOPCon in Rectangular Silicon Wafer Modules

Jim Chen, Application Engineer, EGING PV

Navigating the Market: Exploring Opportunities, Challenges and Proposing Innovative Solutions for Sustainable Success

Emilio Manzoni, Sales Manager PV & BESS – Italy, Sungrow

European Utility Scale Market Overview

Petra Zelenická, Market Analysis Manager Europe, & Edoardo Pulvirenti, Sales Manager Italy, JA Solar

Haier's Approach to C&I Storage Solutions; Pros and Cons of Distributed and Centralized BESS

Giovanni Buogo, International Sales Director, Haier

ZNShine's Mission Under China's Dual Carbon Goals

Jacky Huang, General Manager of Marketing and Sales, ZNSHINE PV-TECH

Experience and Innovation to Accelerate Large Scale BESS Development

Dr. Lin ZeBo, Senior Vice President, Zhiguang Electric

Empowering the Future through the Italian Solar Market: The Crucial Role of EPC Companies in Europe's Decarbonization Targets and Understanding Regulations for Utility-Scale Energy Storage

Andrea Tedesco, Country Manager – Italy, INTEC Energy Solutions

Closing

FRIDAY 1 MARCH

11:30 -

13:00

City&Mobility
Arena C1 Pav.**Solar & Storage
For Med***On-site & on-
demand event***[Click here](#)****ENEA Observatory on Energy Communities – Part 1**

Language: Italian

organized by ENEA, Department of Energy Technologies and Renewable Sources

ENEA Observatory on Energy Communities, promoted by ENEA and presented in the 2023 edition of Key Energy, relies on a network of more than 50 entities, including local PAs, utilities, technology providers, energy companies, research institutions, associations, and professional firms. Main goals are to analyse the entire value chain of RECs creation and management, to identify critical issues, to contribute to the definition of policies, standards, and best practices and to support PA, citizens, and companies in this new energy and management challenge with environmental, economic, and social impacts.

The Observatory analyses multidisciplinary aspects and the regulatory evolution within thematic working groups dedicated to the entire CER process and represents an opportunity for discussion among stakeholders in a context that still presents many questions and uncertainties.

Section Chairs

Nicoletta Gozo, ENEA

Matteo Caldera, ENEA

Programme

11:30 - 11:45 **Introduction and Welcome**

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

11:45 - 12:00 **The Observatory on Energy Communities: goals and activities**

Nicoletta Gozo, ENEA

12:00 - 12:50 **Round Table: Economic, financial aspects and governance models**

Chairmen:

Matteo Caldera and Paolo Zangheri, ENEA

Enea Moscon, A2A

Maria Adele Prosperoni, Confcooperative

Tiziano Milazzo, Engie Italia

Andrea Brumgnach, Italia Solare and Ceress Srl

Giorgio Nanni, LegaCoop

Guido D'Auria, MET Energie Italia

Fabrizio Prestinoni, Sorgenia

Paolo Benfenati, Wevez Soc.Coop

12:50 - 13:00 Q&A

FRIDAY 1 MARCH

11:30 -

16:00

Hydrogen Arena
B2 Pav.**Hydrogen Arena**On-site & live
streaming event
[Click here](#)

Strengthening Hydrogen Ecosystem through Cross-Regional Collaboration and Innovation

Language: English

organized by ART-ER in collaborazione con la Vanguard Initiative, Pilot Hydrogen

In the past years, the hydrogen sector has continuously grown and evolved along the entire value chain: from production to transport and storage, to the many applications in different fields. However, the hydrogen sector potential could be better exploited with more coordination.

Hence the a need to facilitate the dialogue between academia and industry to stimulate scientific progress and more H2 deployment. The development of hydrogen and hydrogen-related technologies is an important element in creating regional ecosystems of innovation, thanks to specific smart specialization strategies.

The event will foster networking among companies and RTOs from different regions, creating synergies and identifying collaboration opportunities for developing concrete projects. This session will also aim to identify potential projects that could benefit from European funding, thus accelerating the implementation of innovative and sustainable hydrogen initiatives.

Project Objectives:

1. **Facilitate interaction among regions** with similar H2 expertise and priorities by promoting cooperation among companies, universities, and research centers to develop innovative solutions and share best practices.
2. Identify **collaboration opportunities** for the development of innovative solutions in hydrogen and related energy technologies.
3. Accelerate the development of hydrogen ecosystems through the identification **of projects that could benefit from European funding**.

FINAL AGENDA:

11.30-11.35 Welcoming and introduction

- *Stefano Valentini, Art-ER*
- *Cristina Maggi, Director of H2IT*

11.35-12.15

- *Boosting innovation in H2 value chain – Emilia-Romagna experience– Claudia Romano, Dirigente Energia ed Economia Verde - Emilia-Romagna Region*
- *TH2ICINO towards a Hydrogen Valley in Northern Italy - Luisa Minoli – Head innovation Area – Confindustria Varese*
- *Vanguard Initiative introduction: ADMA & H2 Pilots - Fabrizio Guarrasi, Innovation Manager at Lombardy Energy Cleantech Cluster – LE2C & Jerzy Kopeć, Director of the Department of Ownership Supervision and Economy*
- *EU calls overview and Introduction to the pitching sessions - Emmanuel Boudard, Founder of N-ABLE*

12.15-13.15

- Pitching session "1": Decarbonise Carbon Intensive Industries

1.1 RudEM / Rudolfovo: AI-based energy management (PV, batteries, generators, supercapacitors & H2)

1.2 Simplifhy SB - Compressorless HRS- mobile and easy-to-transport unit for hydrogen refueling without a compressor

1.3 ResoH Solutions Srl: Digitally formatted made-to-scope hydrogen Solid Oxide Cells

1.4 Techinnova - H2E project: cross-sector supply chain for the production, storage and use of green hydrogen

1.5 FASABS - Fail safe blending station - H2 fueling for industry

- Plenary discussion - *Emmanuel Boudard, N-ABLE*

13.15-13.45

- Networking Light lunch

13.45-14.45

- Pitching session "2": Hydrogen On-shore and Off-shore Production and H2 use in Maritime transportation"

Demo Case Introduction Roberta Padovan Cluster MARE FVG

2.1 Valland SpA: ReActive AEMWE - Anion Exchange Membrane Water Electrolysis (HELIOS project)

2.2 Marine Engineering Services: super insulation system for LH2 storage system

2.3 Navalprogetti - ADRIAH2HUB - H2 refuelling for ships.

- Plenary discussion - *Emmanuel Boudard, N-ABLE*

14.45-15.45

- B2B & Matchmaking – scoping "x" projects:

Carbon Intensive Industries & Maritime transportation and/or H2 Production. Role of SMEs, type of production, related applications, innovation

Emmanuel Boudard, N-ABLE

15.45-16.00 Conclusion and next steps

- *Stefano Valentini, Art-ER*
- *Fabrizio Guarrasi, Innovation Manager at Lombardy Energy Cleantech Cluster – LE2C*

FRIDAY 1 MARCH

14:00 -

15:30

City&Mobility
Arena C1 Pav.**Solar & Storage
For Med***On-site & on-
demand event*[Click here](#)

ENEA Observatory on Energy Communities – Part 2



Language: Italian

organized by ENEA, Department of Energy Technologies and Renewable Sources, ART-ER

ENEA Observatory on Energy Communities, promoted by ENEA and presented in the 2023 edition of Key Energy, relies on a network of more than 50 entities, including local PAs, utilities, technology providers, energy companies, research institutions, associations, and professional firms. Main goals are to analyse the entire value chain of RECs creation and management, to identify critical issues, to contribute to the definition of policies, standards, and best practices and to support PA, citizens, and companies in this new energy and management challenge with environmental, economic, and social impacts.

The Observatory analyses multidisciplinary aspects and the regulatory evolution within thematic working groups dedicated to the entire CER process and represents an opportunity for discussion among stakeholders in a context that still presents many questions and uncertainties.

Section Chairs

Nicoletta Gozo, ENEA

Fabrizio Tollari, ART-ER

Programme

14:00 - 14:15 Introduction and Welcome

Stefano Pizzuti, ENEA

14:15 – 15:15 Round Table: Local policies and the role of data*Chairmen:*

Emanuele Martinelli, Energia Media

Carlo Petrovich, ENEA

Mauro Brolis, ARIA Spa

Fabrizio Tollari, ART-ER

Sara Capuzzo, Ènostra

Gianluca Corbellini, Hive Power

Leonardo Cavalieri, MAC Srl

Maurizio Ferraris, Maps Group

Andrea Sasso, Nesosnet Srl

Benedetta Brighenti, Renael

Massimo Valerii, Sinapsi

15:15 - 15:30 Q&A**15:30 Conclusions**

Stefano Pizzuti, ENEA