

Key Energy 2020

03 / 04 / 05 / 06 NOVEMBER

Legend

-  Key Efficiency
-  Key Energy
-  Key Solar
-  Key Storage
-  Key Wind
-  OPENING EVENT
-  Sustainable City

TUESDAY 3 NOVEMBER

14:15 - 17:00

Ecomondo Key Energy
Digital Platform

Key Storage
Key Energy Event

ENERGY STORAGE: STATE OF THE ART AND FUTURE DEVELOPMENTS

Language: Italian

Organized by: ANIE Federazione
Conference held in Italian.

The discussion will open with the presentation of the White Paper 3.0 on Electrochemical Energy Storage Systems (ESSs). The study starts from the collaboration between ANIE Energia and RSE and represents the third edition after the first two white papers written in 2015 and 2017.

The congress will continue with the presentation of the regulatory framework for the ESSs by the Italian authority ARERA and with a presentation by ANIE on the development of the ESSs planned within the Climate Energy Plan, as well as the integration of the ESSs in renewable energy plants.

In conclusion, Terna will present the fast reserve pilot project and ANIE will investigate the convenience of the Energy Storage Systems in this area.

14:30 - 17:00

Ecomondo Key Energy
Digital Platform

Key Efficiency
Key Energy Event

The integration and evolution of energy networks for the development of renewable sources

Language: Italian

Organized by: Giga_Ecofuturo, Arse
conference held in Italian

To accompany the decarbonisation of the country, larger networks are not needed but more capable of serving energy communities, smart cities and accompanying the evolution of transport for both light, heavy and naval ones.

14:30 - 17:00

Ecomondo Key Energy
Digital Platform

Key Efficiency
Key Energy Event

Next Generation EU. The lever of energy efficiency and the driving role of ESCOs.

Language: Italian

Edited by: AssoESCo
Conference held in Italian.

Energy efficiency has historically been the cinderella of the European decarbonization path, but COVID-19 and the Next Generation EU have changed the cards and has finally become the cornerstone of sustainable and carbon free economic growth.

ESCos are the operating lever that is responsible for taking up the challenge of transforming the idea into investments, provided that the surrounding conditions, the regulatory system and incentives are built and managed to be concretely applicable and effective in producing benefits for the end customers and for the country system.

Let's talk with companies, institutions and organizations, to achieve a common goal of growth and sustainability.

14:30 - 17:30

Ecomondo Key Energy
Digital Platform**OPENING EVENT***Opening event*

Ecological conversion after Covid19 and new EU 2030 targets

Language: Italian

Organized by: KEYENERGY Scientific Committee

The Italian government is defining the use of the resources that the European Commission will allocate thanks to the NEXT GENERATION EU program, an instrument aimed at helping to repair the economic and social damage caused by the coronavirus pandemic, relaunch the European recovery, protect employment and create jobs. Part of the resources for the period 2021-2024 will be used to facilitate the Italian energy transition.

Chair

Gianni Silvestrini, scientific director of KEYENERGY

Programme**Presentation of the report prepared for KEYENERGY**

Vittorio Chiesa, director of ENERGY STRATEGY GROUP of the Politecnico di Milano

Speeches:

Mauro Petriccione, Directorate-General for Climate European Commission (*)

Stefano Patuanelli, Minister of Economic Development (*)

Roberto Morassut, Undersecretary of State for the Ministero dell'ambiente e della tutela del territorio e del mare

Monica Frassoni, president of the European Alliance to Save Energy

Federico Testa, President of ENEA

Francesco Vetrò, President of GSE

Alessandro Marangoni, Director of ALTHESYS

Discussion and closure

*invitato in attesa di conferma

WEDNESDAY 4 NOVEMBER

09:30 - 12:30

Ecomondo Key Energy
Digital Platform

Key Energy
Key Energy Event

The future of hydrogen in Italy

Language: Italian

Organized by: H2IT in collaboration with ENEA
Conference held in Italian.

The workshop deals with the relevant issues in the context of the development of the hydrogen sector in Italy, deepening the strategic issues of developing an industrial chain, configuring a solid economic sector in the supply chain, integrating and supplying products on all the points of the production chain, storage, logistics and end uses. The conditions related to the sector's barriers and proposals to overcome them will be analyzed, in addition to the strategic framework for the use of hydrogen in the mobility sector and the impact on a social level.

09:30 - 13:00

Ecomondo Key Energy
Digital Platform

Key Efficiency
Key Energy Event

White certificates: tools and news

Language: Italian

Organised by **FIRE**

White certificates have gone through a complex phase in recent years, among supply shortages, high market prices and savings below the targets set for 2020. A new decree is expected by the end of the year, which should introduce a series of novelties aimed at reviving the mechanism.

The traditional event organized by FIRE in collaboration with KeyEnergy will illustrate the results achieved, the tools activated by the GSE to support operators and news, with a view to encouraging operators' participation in the scheme. The support from the Horizon 2020 ENSMOV project will also be illustrated.

The conference is aimed at organizations in the industry, service, agriculture and transport sectors. The main recipients are ESCOs, energy service companies, companies that produce technologies in the field of energy efficiency, organizations with energy managers, distributors of electricity and natural gas.

Chairman

Dario Di Santo, FIRE

Programme

Introduction: the ENSMO project

Dario Di Santo, FIRE

White certificates: the results

Livio De Chicchis, FIRE

The rules on the tariff contribution and the trend of the WhC market

Marco De Min, ARERA

Operational results

Luigi Risorto, GSE

Support tools and guides for operators

Alessandra Galatioto, GSE

The effects of Decreto Semplificazioni on the scheme

Anna Maria Desiderà, Rödl&Partner

Discussion

Closing

09:30 - 13:00

Ecomondo Key Energy
Digital Platform

Key Efficiency
Key Energy Event

The push of renewables and energy efficiency for the relaunch of the national economy. The initiatives of the GSE

Language: Italian

Organized by: GSE

Conference held in Italian.

09:30 - 13:00

Ecomondo Key Energy
Digital Platform

Key Efficiency
Key Energy Event

Language: Italian

09:30 - 13:00

Ecomondo Key Energy
Digital Platform

Key Wind
Events

Climate crisis and energy transition: the wind project off the Rimini coast and the enhancement of the territory through a green community independent of fossil sources

Language: Italian

Organized by: ASSO-Agenzia per lo Sviluppo Sostenibile
Conference held in Italian.

Whilst the EU is establishing the target of 60-65% of electrical energy from renewable sources by 2030 and the Emilia-Romagna Region of 100% by 2035, none offshore wind farm has been up to now built in Italy, in spite of the maturity of this technology and its proven capacity to satisfy an important part of the energy demand of many countries of northern Europe. It will be discussed, during the conference, the role of wind energy in the energy transition in Italy and Europe, and presented the wind farm project off the Rimini coast, which alone would provide over 42% of the electricity needs of one of the largest tourist districts in Europe and about 2.3% of the needs of Emilia-Romagna.

10:00 - 13:00

Ecomondo Key Energy
Digital Platform

Key Wind

Key Energy Event

How to deliver the European 2030 climate & energy targets. The role of wind energy in Southern Europe and in Italy. VERSIONE CON TRADUZIONE SIMULTANEA INGLESE

Language: English

Simultaneous translation: Italian

Organized by: WIND EUROPE ASSOCIATION, ANEV and ELETTRICITA' FUTURA

This session will explore the crucial role wind energy plays in achieving the EU 2030 and 2050 climate & energy in contributing to a European green recovery generating jobs, turnover, exports. The session, held in English, is on Italy and the South Europe region. It is co-organised by ANEV, Elettricità Futura and WindEurope.

Programme

Registration and welcome Coffee

Welcome speech

Simone Togni, President, ANEV
 Agostino Re Rebaudengo, President, Elettricità Futura
 Ivan Pineda, Director Public Affairs, WindEurope

What's new from Brussels? The European Green Deal and future perspectives for wind energy

Introduction to the panel

Diletta Zeni, WindEurope

The European Green Deal

Henrik Dam, Policy Officer, DG Energy, European Commission

A European green recovery

Guido Boccardo, Advisor to ITRE Committee, European Parliament

Q&A

Moderated by Davide Astiaso Garcia, ANEV and Nigel Hawkins, Elettricità Futura

Towards a European Green Recovery post COVID19 - Will the EU be able to keep the path towards the transition despite COVID19?

Introduction to the panel

Nigel Hawkins, Elettricità Futura

The European and Italian plan for a Green Recovery - opportunities and challenges for the electricity

Luciano Barra, Ministry of Economic Development

Panel debate

The Green Recovery

Luca Bragoli, Head of Public Affairs, ERG
 Rainer Karan, Vice President South Europe and Turkey, Vestas *
 Alberto Musso, Chief Operating Officer, E2i

Moderated by Davide Astiaso Garcia, ANEV and Diletta Zeni, WindEurope

Perspectives for wind energy developments in Italy - Expectations for sector growth

Introduction to the panel

Davide Astiaso Garcia, ANEV

Permitting of wind farms

Fabrizio Tortora, Head of Business Development, Falck Renewables

Repowering, Reblading, Revampin

Christopher Frey, Senior Regulatory Affairs, Enercon

Optimization and Digitalisation of wind farms

Ludovico Terzi, Renewable&Storage Technical Performance and Analysis Manager, Engie Italia

Offshore floating wind technology

Alexander Severance, Country Lead Offshore Wind, Siemens Gamesa Renewable Energy

Technology Development Overview

Laura Serri, Project Manager & Research Group Leader RSE

Q&A

Moderated by Nigel Hawkins, Elettricità Futura and Diletta Zeni, WindEurope

Closing remarks

Fabiana Dadone, Minister of Public Administration *

10:00 - 13:00

Ecomondo Key Energy
Digital Platform

Key Wind
Key Energy Event

How to deliver the European 2030 climate & energy targets. The role of wind energy in Southern Europe and in Italy VERSIONE CON TRADUZIONE SIMULTANEA ITALIANA

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Simultaneous translation: Italian

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Closing remarks

Fabiana Dadone, Minister of Public Administration *

10:00 - 13:00

Ecomondo Key Energy
Digital Platform**Key Efficiency**
Key Energy Event

Rethinking the electricity market for the energy transition. Market design to the test of decarbonisation

Language: Italian

Organized by: Althesys
Conference held in italian.

The new EU market design coming out of the Clean Energy Package does not solve some market criticalities such as support for green investments, competition between different sources, the presence of incentives, the adequacy of the system, the connection between the spot market and forward market, the division of system charges among the participating parties.

In Italy, the debate can be reopened for a new reform that looks to the long term, taking into account the prerogatives that emerge from the development of storage technologies, the opportunities offered by sector coupling and energy communities, as well as new digital technologies.

10:30 - 12:00

Ecomondo Key Energy
Digital Platform**Key Storage**
Key Energy Event

Frequency regulation: present and future for FER and storage

Language: Italian

Organized by: ANIE Federazione
Conference held in italian.

The energy transition process cannot exclude the integration of renewable sources and storage systems in the production system.

The conference is therefore aimed at operators interested in the regulatory evolution of electricity market services and the integration of systems and technologies for the smart evolution of the electric system with a specific focus on the contribution that intermittent renewable energy sources give to frequency regulation considering the consultation 322/2019 on TIDE.

11:30 - 13:00

Ecomondo Key Energy
Digital Platform**Sustainable City**
Key Energy Event

Digital light, architecture and social well-being

Language: Italian

Organized by: AIDI
Conference held in italian.

Light is an element that intervenes on people's emotional, visual and biological experience and the objective of this session is to reflect on how the values of well-being, human interaction and social identity can be achieved within a given environment urban that inevitably changes in the transition from day to night and with it the behaviors, perceptions and activities of the protagonist of this story change. An important reflection regards digital transformation and how new technologies must be put at the service of man and his well-being in a context in which everything evolves and even environments and spaces are called to perform different functions.

14:30 - 17:00

Ecomondo Key Energy
Digital Platform**Sustainable City**
Key Energy Event

The evolution of services to citizens: Utilities compare

Language: Italian

Organized by: Scientific Technical Committee
Conference held in Italian.

The event aims to create a moment of discussion about the contribution of Utilities to sustainability, starting from the observation that, despite the efforts made, the percentage of circularity in the economy has fallen in the last two years, globally, from 9.1 % to 8.6 %. Which are the prospects for the future? How will the market change based on the Green New Deal? How can Utilities help the (slow) path towards a real transition to the Circular Economy and the implementation of the Green New Deal? The final aim will be to highlight how Public Administrations and citizens will benefit from innovative services, with a focus on environmental, social and economic sustainability.

Chair

Gian Marco Revel – Università Politecnica delle Marche, Coordinator of the Italian Technological Platform of Constructions

Program

Introduction and welcome

Gian Marco Revel, Università Politecnica delle Marche, Coordinatore Piattaforma Tecnologica Italiana delle Costruzioni

Introductory Speech - Utilities and Green New Deal

ALBERTO DELL'ACQUA - ITALGAS President

Speeches

Anna Villari, Responsabile Sostenibilità e Prodotti Editoriali A2A
Tiziana Fiorella, Roedl & Partners

Discussion and closure

14:30 - 17:00

Ecomondo Key Energy
Digital Platform**Sustainable City**
Key Energy Event

Sustainable and low-emission mobility: renewing the vehicle fleet in Italy

Language: Italian

Organized by: MISE, Invitalia
Conference held in Italian.

The automotive sector is strongly affected by the dynamics of innovation and technological transformation that pursue the goal of sustainability.

The European Commission's 2030 target of 55% emissions reduction is a major challenge in terms of investments for the sector. The National Plan for Recovery and Resilience and related resources aim to contribute effectively to the green and digital transition and to address the resulting challenges.

The conference aims to take stock of the most recent measures implemented by the Government, in particular by the Ministry of Economic Development, in the field of sustainable mobility to accelerate the renewal of the vehicle fleet in Italy, with a look at the interventions to be implemented in the coming years.

14:30 - 17:30

Ecomondo Key Energy
Digital Platform**Key Efficiency**
Key Energy Event

Language: Italian

Organized by: Federidroelettrica

Hydropower, which has an installed power of 1300 GW worldwide, is a sector whose global plant efficiencies exceed 80%. Thanks to its flexibility in regulating the produced power, it represents a source of considerable interest in supporting the development of other renewable energy sources. In this article, technological breakthroughs and key innovations will be discussed, with particular emphasis on new technologies, management practices and examples of sustainable hydropower.

Chair

Paolo Picco, President Federidroelettrica
Emanuele Quaranta, European Commission Joint Research Centre

Programme**14.30-14.45**

Paolo Picco, President Federidroelettrica

14.45 - 15.45

Emanuele Quaranta, European Commission Joint Research Centre

15.45 - 16.00 discussion**16.00 - 17.00**

Marco Pezzaglia, Paolo Picco, Luca Boschetto, Federidroelettrica

17.00 - 17.30 Conclusion

14:30 - 18:00

Ecomondo Key Energy
Digital Platform**Sustainable City**
Events

XXI Ecohitech Award: Italian smart cities and digitalization of PA



Language: Italian

Conference held in Italian.

The first and most important Italian recognition that rewards the excellence of companies and public bodies for the development of innovative projects that make our cities more efficient, safer and more liveable, and of services and technologies designed for the good of citizens.

The Ecohitech Award is dedicated to the Public Administration and enhances the best practices and cases of excellence that know how to stand out in the construction and enhancement of Smart Cities.

A jury of experts will award the use of new technologies and the innovative nature of the projects. Particular attention will be paid to encouraging all those design and construction processes aimed at promoting environmental sustainability, energy saving and the improvement of urban life (comfort, safety, mobility) from a Smart City perspective.

14:30 - 18:00

Ecomondo Key Energy
Digital Platform**Key Energy**
Key Energy Event

The role of P2G and hydrogen for the decarbonisation of industry and the energy sector

Language: Italian

By: ENEA in collaboration with H2IT
Conference held in Italian.

The workshop is proposed as a day of meeting and comparison between the subjects who in different forms can make a contribution and play a role in the development and dissemination of Power To Gas technologies, with particular reference to the production and use of hydrogen, to target the decarbonization and renewable source coverage targets set for 2030.

14:30 - 18:00

Ecomondo Key Energy
Digital Platform**Key Efficiency**
Key Energy Event

Measurement and verification of energy savings

Language: Italian

Organized by: FIRE
Conference held in Italian.

Measurement and verification (M&V) of energy savings is a complex activity, but there are protocols and methodologies to facilitate the process. M&V requires the evaluation of the difference between the consumption before and after the intervention, taking into account the trend of other factors that influence the variations in consumption. A correct estimate of energy savings is fundamental in the context of performance guarantee contracts (EPCs) and incentive mechanisms based on increasing efficiency, but also to keep the evolution of consumption under control and in the context of energy management systems. Cases will be presented in various sectors, in Italy and abroad.

14:30 - 18:00

Ecomondo Key Energy
Digital Platform**Key Wind**
Key Energy Event

Administrative simplification linked to the frontier of technological innovation in the eolic sector

Language: Italian

Organized by: ANEV

The need for administrative simplification affects various aspects of the wind sector, not only the streamlining of authorization procedures, but also the need to introduce technological innovation. The wind sector has reached a technological maturity such as to allow market parity, but at the same time it is subject to continuous evolution and is experiencing new frontiers, such as that of floating platforms.

THURSDAY 5 NOVEMBER

09:30 - 13:00

Ecomondo Key Energy
Digital Platform

Key Energy
Key Energy Event

Conference "Renewable energies and agricultural enterprises: a possible marriage"

Language: Italian

Organized by: Coordinamento FREE

According to the Italian NECP (National Energy and Climate Plan), the installed PV power must increase by 2.5 times in the following years. Even with the maximum available installations on roofs or non-agricultural land, this objective will be achievable only by installing PV in rural areas. The conference illustrates how this option - also applicable to other RES - promotes the multifunctionality of the agricultural enterprise, increasing its profitability, thanks to the involvement of farmers, their associations and the agricultural scientific world.

Chair

G.B. Zorzoli, President FREE

Programme

Keynote address and introduction of the Chairman

G.B. Zorzoli, President FREE

Introductory report by the FREE Coordination

Marino Berton, Coordinamento FREE

Speeches

Roberta Papili, Confagricoltura
Andrea Zaghi, Elettricità Futura
Alessandra Pesce, CREA
Rolando Roberto, Italia Solare
Gianmichele Passarini, CIA
Edoardo Zanchini, Legambiente

Giuseppe L'Abbate, Sottosegretario al Ministero per le Politiche Agricole Alimentari e Forestali*

Filippo Gallinella, Presidente della Commissione Agricoltura della Camera

Conclusions

09:30 - 13:00

Ecomondo Key Energy
Digital Platform

Key Efficiency
Key Energy Event

Finance for Energy Efficiency: Superbonus 110% a new opportunity

Language: Italian

Edited by: FEDERESCO
Conference held in Italian.

The event aims to update operators in the sector, professionals, and companies on the financing strategies necessary to relaunch investments aimed at optimizing consumption and favoring the release of the Energy Efficiency market.

The first part of the conference will provide a framework on how to access national concessions for energy efficiency and building requalification. The obstacles and benefits of each tool will be analyzed.

The second part of the conference will feature stakeholders such as GSE, ENEA, CNI, and ESCos who will discuss concrete cases and best practices.

Federesco, together with operators in the sector, will feed the discussion to provide solutions aimed at encouraging the development of financing for energy efficiency

09:30 - 13:00

Ecomondo Key Energy
Digital Platform**Sustainable City**
Key Energy Event

The Mission "Smart and Carbon-Neutral Cities": the new horizon for Cities in Europe VERSIONE CON TRADUZIONE SIMULTANEA ITALIANA

Language: Italian
Simultaneous translation: English

Organized by: Technical and Scientific Committee

The event aims to present and discuss the new European Commission instrument on Cities for the programming period 2021-2027 Horizon Europe: the Mission on "Smart and Carbon-Neutral Cities". Strategies and opportunities will be object of discussion, analysing the real impact on territories, implementing active involvement of citizens and Public Administrations.

Chair

Gian Marco Revel – Università Politecnica delle Marche, Coordinator of the Italian Technological Platform of Constructions

Programme**Introduction****Speeches:**

Paul Tuinder, EU Commission
 Marco Falzetti, Direttore Generale APRE
 Maria Vassilakou, Member of the Mission Board
 Emmanuel Forrest, Bouygues, ECTP Chairman, Industrial Representative on the Mission BoardBoard
 Valeria Mancinelli, Mayor of Ancona, World Mayor 2019

Conclusions

Simona Bonafè, MEP

09:30 - 13:00

Ecomondo Key Energy
Digital Platform**Sustainable City**
Key Energy Event

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Simona Bonafè, MEP

10:00 - 12:00

Ecomondo Key Energy
Digital Platform**Key Energy**
Key Energy Event

EnergiAgricolaKm0, the first agro-energy community

Language: Italian

Organized by: COLDIRETTI ForGreen SpA & LEGAMBIENTE
Conference held in Italian.

Energia agricola a km 0 is the first 100% renewable agro-energy community, founded in 2018 thanks to the collaboration between Coldiretti Veneto and ForGreen SpA Società Benefit.

The goal is a new energy culture to raise agricultural farms and citizens on the use of renewable energy produced locally. It pursues the development of energy communities according to the implementation of the "internal electricity market" and "Red2" directives to combine community models of prosumer and small farms into Renewable Communities.

Chair

Luca D'Apote, Coldiretti
Vincenzo Scotti, ForGreen SpA Società Benefit
Edoardo Zanchini, Legambiente

Programme

Introduction to EnergiAgricolaKm0 Project, the 1° agro-energy community

Luca D'Apote, Coldiretti

Regulation perspectives for the development of energy communities in Italy

Andrea Galliani, ARERA

Development of the energy community EnergiAgricolaKm0

Vincenzo Scotti, ForGreen SpA Società Benefit

Energy communities models and developments

Edoardo Zanchini, Legambiente

Field experience to grow the community EnergiAgricolaKm0

ForGreen and Coldiretti

Panel discussion

Mipaaf, MISE, Minambiente are invited [*]
Francesco Saverio Abate, Capo Dipartimento delle politiche competitive, della qualità agroalimentare, della pesca e dell'ippica, [*]
Luciano Barra, Capo Segreteria Tecnica Direzione Generale per il mercato elettrico, le rinnovabili e l'efficienza energetica, il nucleare
Alessandro Caretoni, Capo Divisione III – Interventi Ambientali, efficienza energetica ed energie alternative, Minambiente, [*]

[*] invited

10:00 - 13:00

Ecomondo Key Energy
Digital Platform**Key Solar**
Key Energy Event**Opportunities and challenges for utility scale Photovoltaics VERSIONE CON
TRADUZIONE SIMULTANEA INGLESE**Language: English
Simultaneous translation: Italian

Organized by: ELETTRICITA FUTURA e Solar Power Europe

Programme9:30 **Registration and welcome Coffee**10:00 **Welcome & Introduction**10:15 **Role and perspectives of Utility Scale PV in Europe and Italy**Solar Power Europe
Elettricità Futura10:45 **European Green Deal and Recovery Plan: the role of Solar PV**

Ana Sanchez, Policy officer at Directorate-General for Energy, European Commission

Q&A

11:15 **Opportunities and challenges in Italy for Solar PV in light of the 2030 NECP target**Alessandro Caretoni, Directorate General for climate, energy and air - Ministry of the Environment and of the
Protection of the Territory and the Sea

Q&A

11:45 **The role of Innovation and Technology in the Solar PV sector**Solar Power Europe
Elettricità Futura12:15 **Technology and Innovation in the Solar PV sector and its role for the Green Recovery****Introduction to the Panel:**

Elettricità Futura

Panel debate:Fabrizio Bizzarri, Head of Solar Innovation - Enel Spa *
Alfredo Begg, Head of Sales and Business Development - Stern Energy Spa
Martin Guzzetti, Head of Innovation & Technology - EF Solare Italia
Stefano Carpigiani, Head of Sales & Procurement - BayWa r.e. Operation Services S.r.l.
Salvatore Guastella, Project Manager - RSE S.p.A.

Moderated by EF

Q&A13:15 **Concluding Remarks**

10:00 - 13:00

Ecomondo Key Energy
Digital Platform**Key Solar**
Key Energy EventOpportunities and challenges for utility scale Photovoltaics VERSIONE CON
TRADUZIONE SIMULTANEA ITALIANALanguage: English
Simultaneous translation: Italian

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Moderated by EF

Q&A13:15 **Concluding Remarks**

14:00 - 16:00

Ecomondo Key Energy
Digital Platform**Sustainable City**
Key Energy Event

Villages and Communities: Opportunities for enhancement and restart

Language: Italian

Edited by: CTS KEY ENERGY
Conference held in Italian.

To face the recovery in the right way, the main strategy for those who manage small and medium-sized communities must be a new model of institutional, entrepreneurial and social efficiency. The themes at the center of the conference and the successful case histories presented revolve around concepts of great importance for all municipalities: efficiency, renewable energy, smart mobility, of course, but also the ways in which these paths can become powerful tools for territorial marketing. There are excellent prospects for well-being and development, but there are still great potentials not entirely released for the realities of small demographic and economic dimensions that can find, even in the most recent legislation, tools and resources useful to compete on a global scale.

14:30 - 17:30

Ecomondo Key Energy
Digital Platform**Sustainable City**
Key Energy Event

Electric Renaissance: how zero-emission mobility changes cities

Language: Italian

Organized by: MOTUS-E with Kyoto Club
Conference held in Italian

In the transport sector, Italy is progressively recovering the structural gap that separates it from other European countries for the decarbonisation of this sector. We must increase the geometry of an expanding market and build correct information to convey to citizens about the benefits of a mobility model, the electric one, which represents the only truly viable alternative in the medium to long term. In this context, the Public Administrations play a fundamental role. The implementation of urban plans must prove to be up to expectations. Cities will have the task of translating what today may seem (in some cases) a dream book into reality. And the challenge will not be easy to win.

14:30 - 18:00

Ecomondo Key Energy
Digital Platform**Key Efficiency**
Key Energy Event

Energy efficiency in industrial and tertiary sectors: six stories to lead the change

Language: Italian

Organized by ENEA in collaboration with associations of the industrial sectors involved

Talk-style training/information workshop. The main focus will be solutions and tools for energy efficiency in industry and tertiary sectors. Six Energy Managers, coming from the most energy intensive sectors, will tell the participants how to overcome the technological, information, financial and regulatory barriers obtaining substantial energy savings, improving the productivity of the company and reducing its environmental impact.

Chair

Antonio Disi, ENEA

Programme

14.00 LECTIO ENEA

key speaker ENEA

Speakers:

- Steel industry Energy Manager
- Glass industry Energy Manager
- Paper industry Energy Manager
- Large-scale Organized Distribution Energy Manager
- Real Estate / Hotel industry Energy Manager
- Healthcare sector Energy Manager

16.30 Discussion and conclusions

14:30 - 18:00

Ecomondo Key Energy
Digital Platform**Sustainable City**
Key Energy Event

Self-consumption and energy communities: The role of cogeneration as essential technology for the circular sustainability.

Language: Italian

Organized by: Ascomac Confcommercio Imprese per l'Italia
Conference held in Italian.

Brief introduction of the topics

EU Directives and their consequences on circular sustainability.
Self-consumption, Energy Communities, Infrastructures.
Private networks and smart grids for: industrial, residential, agricultural, tertiary sector, mobility
Citizens, industrial, agricultural and commercial enterprises for production and sharing of RES and CAR sustainable energy.

Chair

Edoardo Rovarini, ASCOMAC Confcommercio Imprese per l'Italia President
Sergio Dotti, ASCOMAC Cogena President

Program

Greetings and Introduction

Sergio Dotti, ASCOMAC Cogena President

EU Directives: Impact on Circular Sustainability for Work, Works, the Economy of the Territory, the Daily Environment

Carlo Belvedere, ASCOMAC Confcommercio Imprese per l'Italia General Secretary

Energy Communities: legal issues: legislation, regulation and contracts.

Francesco Arecco, Lucia Bitto, Studio Legale Francesco Arecco

Plants BIM Model availability - charges and benefits for manufacturers, installers, managers, maintenance workers, customers / end users of the plants

Edoardo Accettulli, Direttore Generale ANAFYO Sgl

Smart grids: present orientations of international Standards

Giuseppe dell'Olio, GSE Gestore dei Servizi Energetici SpA

The future of micro CHP for the sustainable energy transition

Viviana Cigolotti PhD, ENEA - Laboratory for energy storage, batteries and hydrogen production and utilisation technologies-Department of Energy Technologies and Renewable Sources (TERIN-PSU-ABI)

Even a small Municipality can transform itself into a smart city - First steps to increase efficiency and energy savings

Lorena Vedovato, Sindaco di Dormelletto (NO)

Discussion and Closing

14:30 - 18:30

Ecomondo Key Energy
Digital Platform**Key Wind**
Key Energy Event

Offshore Wind

Language: Italian

Organized by: ANEV with OWEMES and Kyoto Club
Conference held in Italian.

Present the technological developments and the potential of offshore wind in Italy, highlighting the effects of achieving the objectives identified in the PNIEC by the Italian Government for offshore wind (900 MW by 2030), mainly in terms of employment and clean energy produced, representing at the same time the main critical issues, regulatory, economic or of other nature, which hinder the achievement of the same, proposing concrete solutions and opening a dialogue with the institutions

Programme

Introduction

Simone Togni, Presidente ANEV
Franco Rispoli, Presidente OWEMES

Associations

Stefano Ciafani, Legambiente
Mariagrazia Midulla, responsabile Clima e Energia WWF
Giuseppe Onufrio, Direttore Greenpeace Italia
Alex Sorokin, Kyoto Club

Companies

Paolo Sammartino, C.O.O Renexia
Francesco Balestrino, Saipem
Claudio Granata, Director Human Capital & Procurement Coordination, ENI *
Andrea Tolai Bartali, Managing Director Siemens Gamesa
Domenico Marinelli, Head of Development EDP Renewables Italia
Marco Ortu, CEO BKW Italia

Projects

Daniela Moderini e Giovanni Selano, Progettisti della centrale eolica offshore di Rimini
M. Anzalone, A. Barnabini, G.L. Vaglio, Progetto eolico offshore di Ravenna (Saipem-Qint'x)
Luigi Severini e Pepe Carnevale, progetti Sicilia Marsala e Sardegna Sulcis *

Istitutions

Tbd, ISPRA
Tbd, Ministero Infrastrutture e Trasporti
Luciano Barra, Ministero dello Sviluppo Economico
Alessandro Caretoni, Ministero dell'Ambiente e della Tutela del Territorio e del Mare

Conclusions

15:00 - 17:30

Ecomondo Key Energy
Digital Platform**Key Solar**
Key Energy Event

Energy communities: new projects and the challenges of the transposition of the Directive 2018/2001

Language: Italian

Organized by Legambiente and ITALIA SOLARE

The meeting organized by Legambiente and ITALIA SOLARE addresses the key issues opening up for the production and sharing of energy from renewable sources. The implementation of the Milleproroghe Decree, with the anticipation for projects up to 200 kW, is giving rise to the experimentation and implementation of the first energy communities in our country. At the same time, the process of full transposition of Directive 2018/2001 / EU is proceeding, where the various energy, technical and regulatory aspects will have to be addressed to make possible the realization of widespread interventions of collective self-consumption from renewable sources and configurations of energy communities for families, businesses, local authorities and associations. During the seminar, high-profile interlocutors will confront each other with the aim of speeding up and making the decision-making process transparent.

Chair

Edoardo Zanchini, Vicepresident Legambiente

Programme

Session 1

Energy communities at the starting line

Rules and opportunities of the Milleproroghe Decree

Emilio Sani, ITALIA SOLARE

Andrea Galliani, ARERA

Community of energy and collective self-consumption, the research of the RSE

Maurizio Delfanti, CEO RSE

Session 2

The objectives and issues open with the transposition of Directive 2018/2001

Speakers:

Tommaso Barbetti, Elemens

Fabio Zanellini, Anie

Chiara Candelise, Ecomill

Round table with:

Chiara Braga, Pd

Gianni Giroto, M5S

Rossella Muroni, Leu

Andrea Zaghi, Direttore Elettricità Futura

GB Zorzoli, Presidente Coordinamento Free

Paolo Viscontini, Presidente ITALIA SOLARE

16:30 - 18:00

Ecomondo Key Energy
Digital Platform**Key Energy**
Events

Presentation of the book "Green Business – sustainability and resilience stories of the green Made in Italy economy".

Language: Italian

Organized by: KICKSTER

Launch presentation of the book "Green Business" is inspired from the Podcast Green Business by Kickster. Kickster is a leading advisory company involved in green and sustainability world with an integrated approach. The book is drawn from the first season of the Podcast and includes ten interviews to opinion leaders and entrepreneurs of the new Green Made in Italy, giving a change to get new perspectives and inspirations from their points of view and experience to discover new models of purpose. Urban resilience, environmental sustainability and sustainability development, frugal innovation and the Green New deal are the core topics. The presentation event will be a talk among the hosts and public to understand what Green Made in Italy means. The event will be host by Pietro Valaguzza and Ramona Caria.

Chair

Pietro Valaguzza, CEO Kickster
Ramona Caria, CSR and sustainability Expert, Kickster

Programme

16.30 – 16:45

Presentation of the book "Green Business"

Presentation of the book Green Business and introduction of the speakers' panel.

Presenters:

Pietro Valaguzza, CEO Kickster
Ramona Caria, CSR and sustainability Expert, Kickster

16:45 – 17:45

Debate on green and sustainability

Taking inspiration from the ten interviews, the debate will start and public will be encouraged to take part in it to understand what Green Made in Italy means.

Speakers*:

Patricia Viel, Antonio Citterio Patricia Viel
Alfonso Pecoraro Scanio, Fondazione Univerde
Adriano Maroni, Menowatt GE
Andrea Marroni, MRC Consultants and Transaction Advisers
Silvia Ricci, Ricci
Maria Camilla Fasola Bologna, Castello Monte Vibiano Vecchio
Niccolò Sovico, Ener2Crowd
Anna Fasano, Banca Etica
Lara Botta, Botta Packaging
Mattia Canevari, Grandi Navi Veloci

*the

participation of speakers is subjected to change.

Chair:

Pietro Valaguzza, CEO, Kickster
Ramona Caria, CSR and sustainability Expert, Kickster

17:15 - 17:55

Questions and Answers

Moderators:

Pietro Valaguzza, CEO, Kickster
Ramona Caria, CSR and sustainability Expert, Kickster

17:55-18:00

Conclusions

Pietro Valaguzza, CEO, Kickster
Ramona Caria, CSR and sustainability Expert, Kickster

FRIDAY 6 NOVEMBER

09:30 - 13:00

Ecomondo Key Energy
Digital Platform

Key Efficiency
Key Energy Event

Research and innovation for energy efficiency: challenges and future perspectives

Language: Italian

Organized by ENEA in collaboration with associations of the industrial sectors involved

Talk-style training/information workshop. The main focus will be the 5 main technologies for energy efficiency which, in the coming years, will assume a strategic role to ensure the achievement of the objectives identified by national and European policies: Artificial intelligence and big data, Heat recovery, Storage systems, Digitalization and Nearly Zero Energy Building.

Experts, from technical and scientific sectors, will trace the evolutionary scenarios of different technologies showing their potential and future prospects for the different economic sectors.

Chair

Antonio Disi, ENEA

Programme

9.30 LECTIO ENEA
ENEA key speaker

10.00 – 10.30
Artificial intelligence and big data expert

10.30 – 11.00
Heat recovery expert

11.00 – 11.30
Storage systems expert

11.30 – 12.00
Digitalization expert

12.00 – 11.40
NZEB expert

12.00 – 13.00
Discussion and conclusions

10:00 - 12:30

Ecomondo Key Energy
Digital Platform

Key Storage
Key Energy Event

Energy storage for electricity grids: development and prospects in a scenario with strong decarbonisation

Language: Italian

Organized by: Clust-ER Greentech Emilia-Romagna
Conference held in Italian.

Renewable energy sources are discontinuous and not programmable so need to be coupled with energy storage systems in order to exploit the energy in excess. Due to the undergoing energy transition toward distributed generation systems, the most recent estimates on produced energy in excess with respect to the energy demand in 2050 are of the order of magnitude of TWh. Energy storage systems, in addition to storing these large quantities of energy in excess generated in periods of low demand, offer the opportunity to exploit electricity when it is most in demand. Furthermore, energy storage can also play an essential role in reducing expensive other interventions on the grid, which would otherwise be necessary to adapt the system to the increasing levels of renewable production and to guarantee adequate safety margins in the management of the grid. The workshop will deal with different energy storage systems, including the one defined as seasonal, i.e. the accumulation of energy during a seasonal condition (summer or winter) and the use of energy stored in other seasonal conditions, depending on the load request. The speakers will address the following topics: models to quantify the extent of storage, technologies for storage, economic feasibility of a storage facility, policies to promote the development of storage technologies.

10:00 - 13:00

Ecomondo Key Energy
Digital Platform**Sustainable City**
Key Energy Event

Assessing sustainability: city-scale tools and experiences

Language: Italian

Organized by: CTS Key Energy in collaboration with the GBC
Conference held in Italian

The workshop aims to be a moment of comparison between some initiatives and tools for assessing sustainability (not only environmental, but also economic and social) on a city scale and the impact of city initiatives on national and European policies for urban regeneration.

Framing the topic will be followed by the testimony of some public administrations that are participating in innovative projects and are adopting some tools for measuring sustainability.

10:00 - 14:30

Ecomondo Key Energy
Digital Platform**Key Energy**
Key Energy Event

Energy requalification of buildings: the super bonus at 110%

Language: Italian

Organized by: Technical Scientific Committee
Conference held in Italian.

Chair

Gianni Silvestrini, president of the KeyEnergy Scientific Committee

Programme

Interventions:

Riccardo Fraccaro, undersecretary to the Presidency of the Council of Ministers

Federico Testa, president of Enea

Gabriele Buia, president of Ance

Enzo Ponzio, CNA

Fulvio Marzano, Coord. Corporate Core Banking Products, UniCredit

Edoardo Zanchini, Vice President Legambiente

Alessandro Ponti, Harley Dickinson Director

Tbd, EnelX

Ettore Caroppo, mayor of Minervino (ITA)

Dario Di Santo, FIRE director

Multinational Glocal at the service of the local craftsman

Matteo Benedetti, Delta Dore Italy Sales Area Manager

Superbonus 110%: the sentiment of industry professionals

Presentation of the results of the national survey carried out by ISNOVA in collaboration with ENEA

Alberto Boriani of ISNOVA (ENEA investee company)

LABTALK Superbonus 110%

How to build a winning project - organized by: ENEA

Design workshop, in the form of a talk, during which sector experts will explore, together with the participants, the different aspects that contribute to the construction of an effective project for the energy requalification of a condominium building: architectural, energy, financial and communicative / strategic .

Antonio Disi, ENEA

Benedetta Gaglioppa, ENEA Summer School

Alberto Boriani, ISNOVA

Elena Allegrini, ENEA

11:00 - 13:00

Ecomondo Key Energy
Digital Platform**Sustainable City**
Events

The future of energy communities in Italy. Renewable sources and the active role of citizens

Language: Italian

Organized by: GECO and ENEA project
Conference held in Italian.

In Italy we are starting to discuss how to create Energy Communities under the current legislation, with great attention to the economic benefits that these can produce in the bills to participants. This meeting tries to question the prospective potential of Energy Communities as part of a broader action, in which the 'advantages in the bill' and a renewed ability to invest in renewables and efficiency are combined with a greater awareness of users and the promotion of virtuous behavior, both energetically and socially. This will also mean shifting the perspective from the single electrical substation to the territory of a neighborhood or city.

In this scenario that looks to the next tomorrow, technology, and therefore research, plays an important but not exclusive role; the meeting would like to deepen the theme of which challenges need to be addressed on a technological but also organizational and regulatory level to move in this direction.