



ECOMONDO **KEY ENERGY**
THE GREEN TECHNOLOGY EXPO THE RENEWABLE ENERGY EXPO

26-29 OCTOBER 2021

Rimini Expo Centre,
Italy

ORGANIZED BY

**ITALIAN
EXHIBITION
GROUP**
Providing the future

IN COLLABORATION WITH



ITCA 
ITALIAN TRADE AGENCY

WE ARE IEG

WE ARE IEG

A TOP-CLASS EXHIBITION
& CONVENTION PROVIDER

Italian Exhibition Group is Italy's most important exhibition and convention provider for directly-organized events.

A modern and global exhibition provider that offers:

- a full range of professional high-added-value services;
- an advanced and visionary marketing organization for international networking.



A GLOBAL NETWORK

WE ARE

A GLOBAL NETWORK

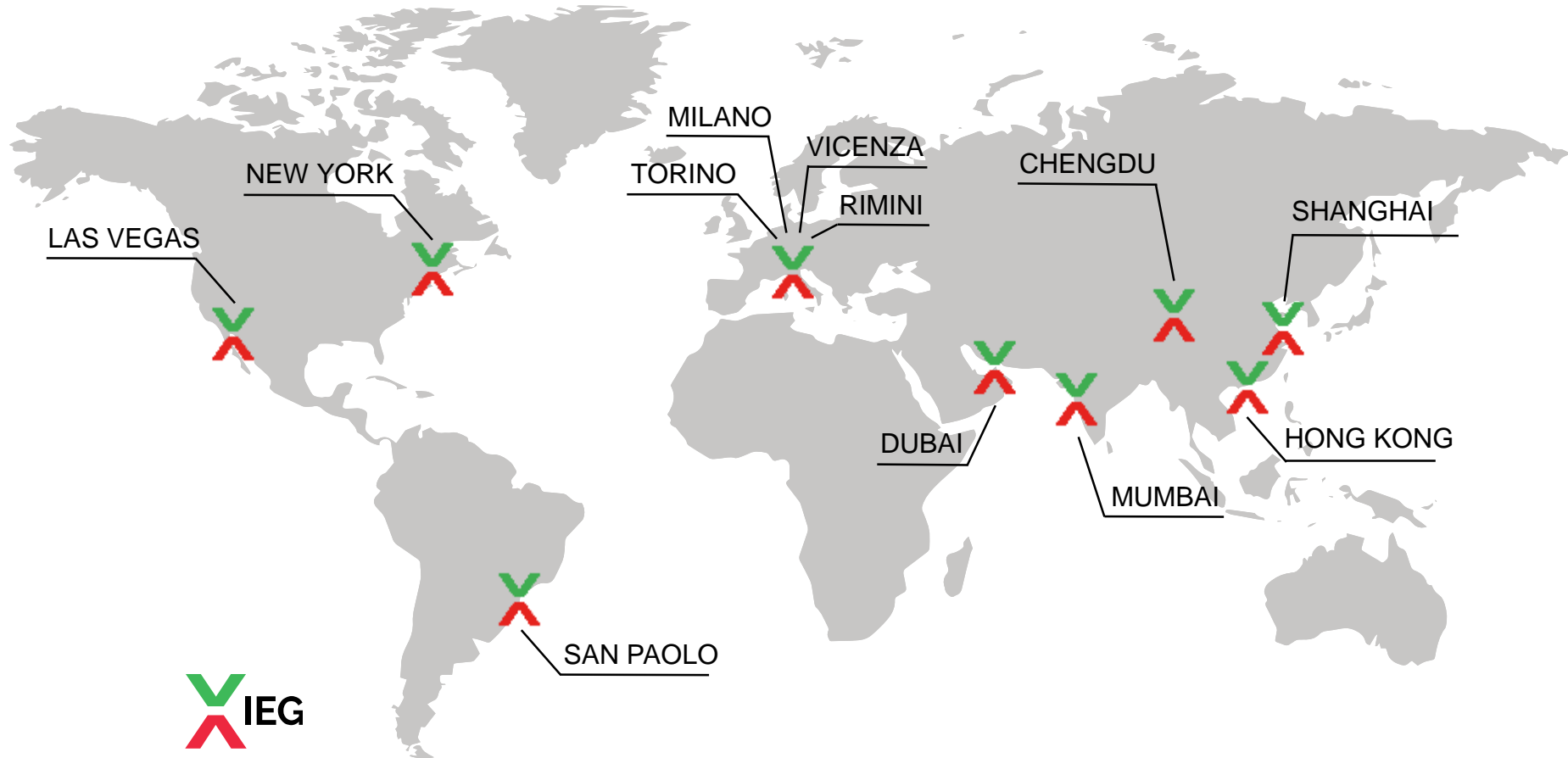
The IEG network extends worldwide:

Rimini, Vicenza, Milano, Torino, New York, Dubai, San Paolo, Shanghai, Chengdu.

- Interpreting trends
- developing innovative content
- making experiences come alive
- bringing together passions that can generate business and reputation around the world, as already demonstrated by the events managed and organized in Dubai, Mumbai, Las Vegas, Hong Kong and Chengdu.



THE GROUP



PRODUCT PORTFOLIO STRATEGY

The **IEG Group** is notable in the organisation of events in **SIX categories**: Food & Beverage; Jewellery & Fashion; Tourism & Hospitality; Lifestyle & Innovation; Wellness, Sport and Leisure; Green & Technology

IEG closed the **2019 financial year** with consolidated total revenues of € 178.6 million, an EBITDA of € 41.9 million and a consolidated net profit of € 12.6 million.

In **2019**, IEG totalled **48 organised or hosted fairs and 190 conferences**.



FOOD &
BEVERAGE



TOURISM
SUPPLY CHAIN



LEISURE &
PASSION



GREEN
TECHNOLOGY



CERAMICS
TECHNOLOGY



SERVICES



JEWELLERY &
FASHION



NICHE
PRODUCTS



CONGRESS
CENTER

ECOMONDO - KEY ENERGY: CIRCULAR TRANSITION

The key event in Europe for **technological and industrial innovation** in the **green circular economy and renewable energy** sector.

An international show with an **innovative format** that brings together on a single **platform** all sectors supporting **ecological transition**: waste, water, land reclamation, intergrated services, renewable energy, energy efficiency, sustainable cities, mobility and green infrastructure, models for the circular economy and the safeguarding of natural resources for sustainable development.

The show, in its traditional physical format, will be supplemented in 2021 with the innovative **digital platform**, already tried and tested last year, in order to multiply business and meetings opportunities.



NEXT GENERATION EU

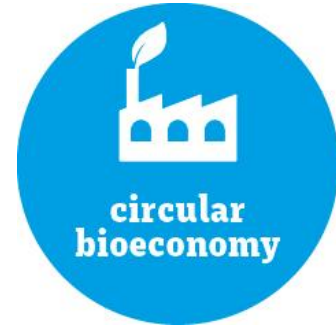


Next Generation EU is Italy's great development opportunity for the next decade. Ecological transition will be based on the new global economic and social development model, in line with the 2030 Agenda for Sustainable Development of the United Nations.

With the creation of the new Ecological Transition department, the new Italian government will pay considerable attention to implementing the objectives set out in the NRRP. Around **40%** of the **EUR 210 billion** made available by Next Generation EU will be allocated to **ecological transition** and the **digitalization** of the production system and the public administration.

Ecomondo and Key Energy have always been at the forefront of the **green conversion of our country**, and for this reason they will play a centrale role in presenting innovative projects and attracting international investors.

KEY SECTORS



Waste and resources:
Integrated management and exploitation of waste and materials

Circular Bioeconomy:
Optimization of renewable organic resources - conversion into organically based, bioenergy-derived products. Bioenergies and anaerobic digestion; Agrifood & Blue Growth

Decontamination and hydrogeological risk:
Technologies for reclamation and management of contaminated sites; systems and solutions for preventing hydrogeological risks

Water:
Integrated water cycle supply chain, from collection to its return to the environment

Chemical analysis and monitoring:
Instruments, analysis and consulting with regard to the environment, food and materials

Energy:
Focus on photovoltaic, wind and storage, solutions for energy efficiency in industrial and residential sectors

Circular city & Mobility:
ICT & IOT, smart city Solutions for sustainable intermodal, connected mobility and sustainable cities

Facts and Figures of the last show



ABOUT THE LAST EDITION

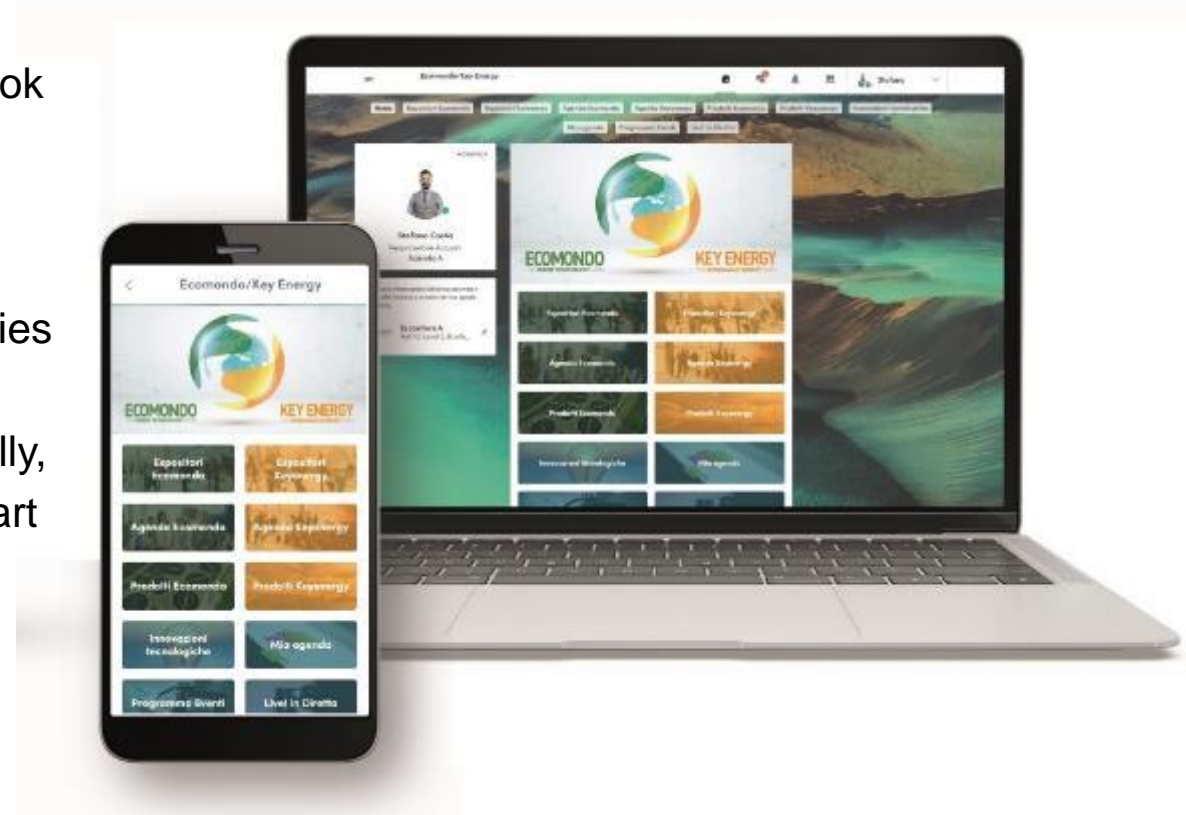
HYBRID EVOLUTION

Despite the COVID-19 pandemic, **Ecomondo & Key Energy** took place at a **digital level** in a 2-weeks of business meetings, conferences and networking.

The **Double Digital Green Week 2020** was a **success**, and enabled us to maintain dialogue with our professional communities and stakeholders.

Even if Ecomondo and Key Energy 2021 will take place physically, the **digital communication** will continue to play an important part in supporting the **growth** and **development** of our business.

It will provide additional momentum in professional updating, training and networking with operators in distant locations, optimising the ROI and the possibility of monitoring them more closely.



THE 2020 DIGITAL EDITION

13

Days of the show



727

Exhibitors including 127 international

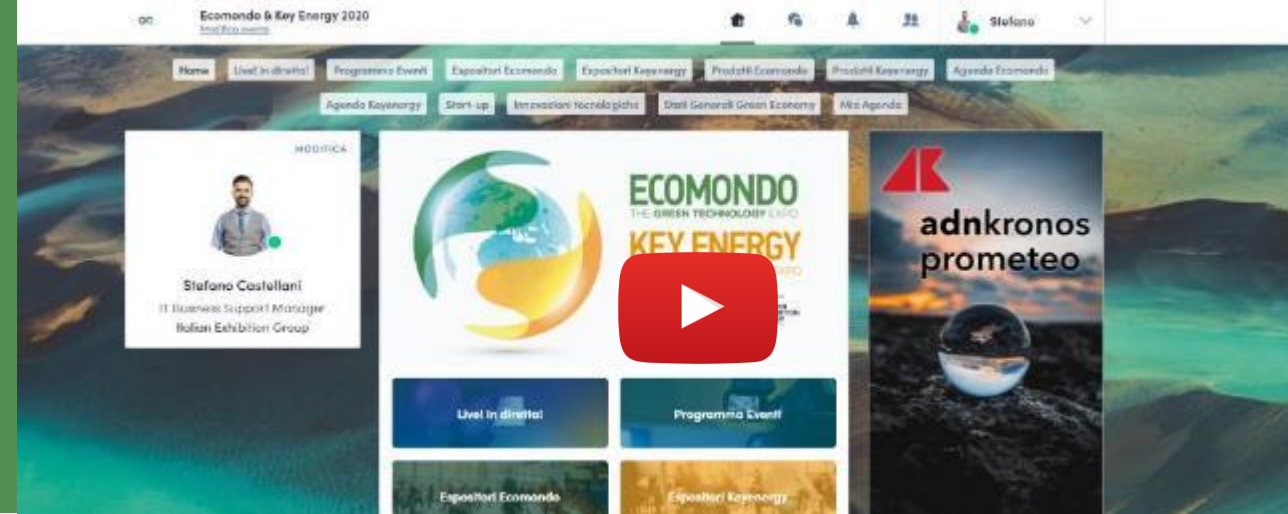
19,764

Visitor attendance on the platform

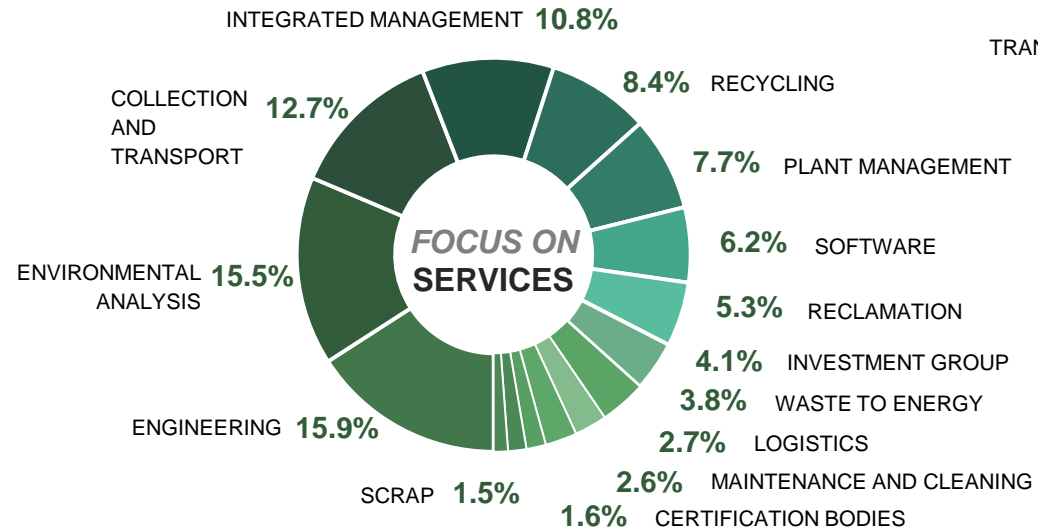
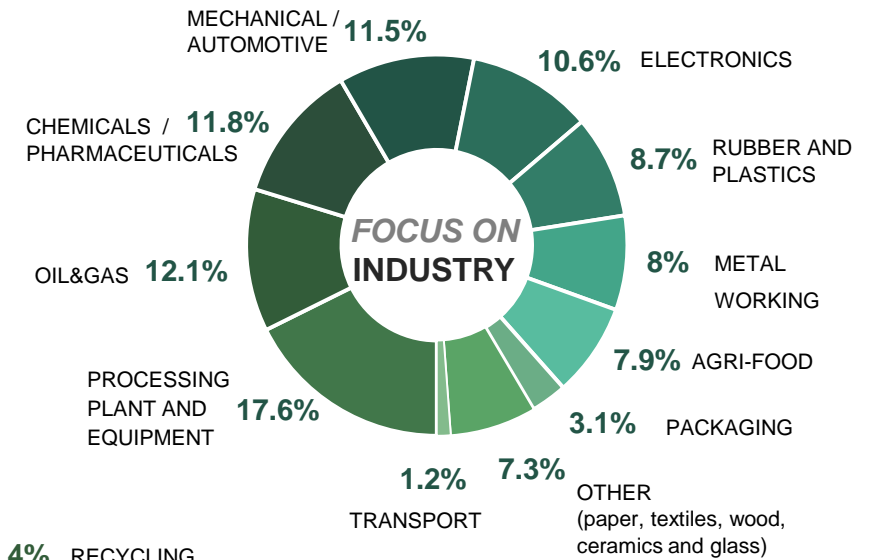
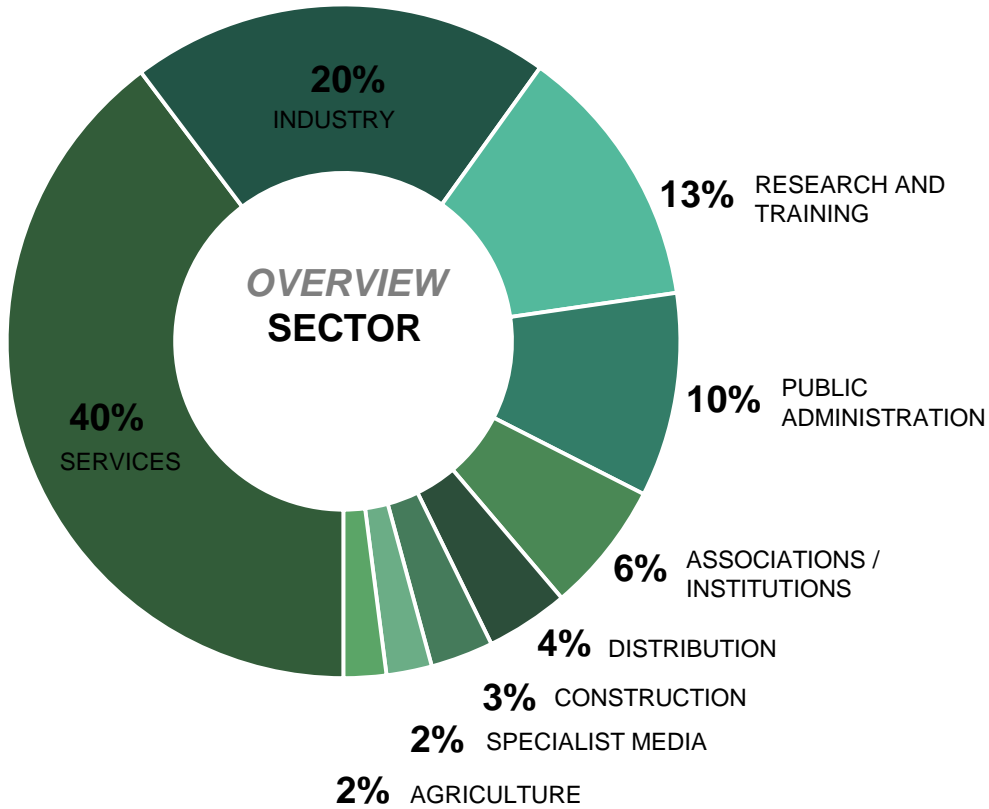


102,750

Total interactions



THE 2020 DIGITAL EDITION: FOCUS ON VISITORS



FACTS & FIGURES 2019



80,930 visits

+4% visitor increase from previous year

+10% international visitors from 66 countries

98,000 + gross sqm

1,383 companies

15% international exhibitors from 30 countries

150+ seminars and conferences with over 1,000 speakers

747 + milion media contacts



9,649 visits

+8% visitor increase from previous year

10% international visitors

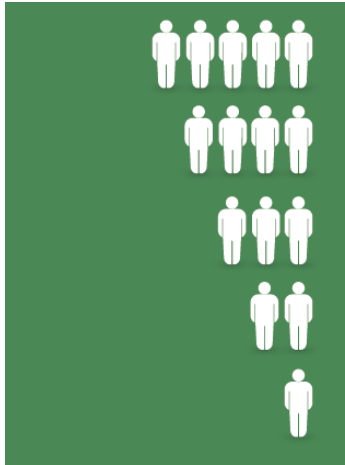
18,000+ gross sqm

60+ seminars and conferences, 500+ speakers

8% international exhibitors from 10 countries

284 companies

2019 EDITION: FOCUS ON VISITORS



Sector

Services	45%
Industry and distribution	34%
Public sector	5%
Construction	5%
Research and training	5%
Association / Institution / Specialist Media	4%
Agriculture	2%



Country of origin

Europe, EU	58%
Europe, non-EU	19%
Africa	8%
Asia	6%
Central and South America	5%
Middle East	3%
North America	1%

Road to Ecomondo & Key Energy 2021



ROAD TO ECOMONDO & KEY ENERGY 2021

We have planned a series of virtual appointments that will see us through to meeting in person in October: the **Digital Green Weeks**.

Each of the five appointments will **focus** on some of the **key themes** explored at Ecomondo and Key Energy, facilitating contact between associations, businesses, policy makers, research groups, sustainable companies and national and international buyers.

The idea is to become a **permanent digital think tank** on the main pillars of National Recovery and Resilience Plan (PNRR), in order to make an active contribution to the country's relaunch and serve as a broader aggregator of expertise and know-how, putting the views of companies working towards the **European green deal** at the forefront.



THE DIGITAL GREEN WEEKS



23-25
MARCH

2021

WEEK1

**GREEN REVOLUTION -
ENERGY TRANSITION**

27-29
APRIL

2021

WEEK2

**SUSTAINABLE CITY -
LOW CARBON
ECONOMY**

18-20
MAY

2021

WEEK3

**BLUE ECONOMY -
E-MOBILITY**

8-10
JUNE

2021

WEEK4

**CLIMATE CHANGE -
ENVIRONMENTAL
PROTECTION**

21-23
SEPT.

2021

WEEK5

**NEXT
GENERATION EU -
PREVIEW ECOMONDO**

ECOMONDO & KEY ENERGY 2021: THE FORMAT

A hybrid show, a **smart physical platform with an innovative digital extension**

DURATION

4 days **in person**
4 **digital** days

LAYOUT

Redesigned
in accordance with safety
standards

PARTICIPATION

Hybrid with solutions devised on
an **ad hoc** basis and packages
including dedicated digital
services

EXPO SPACES

Recalibrated for the best use of
the spaces for the visitor and
exhibition sqm.

VISITING

In person with **digital extension**, particularly for
international operators.

DIGITAL

Smart platform to offer
exhibitors and visitors innovative
services, maximising business
contacts through both physical
and virtual meetings.

EVENTS

Packed schedule of **events and talks held in person** and a
selection **streamed** live, tools to
find out about current trends and
offer a vision of the sector's
future.

SAFE BUSINESS

Show held in a completely **safe**
environment.

THE PHYSICAL PLATFORM

EXHIBITION AREA

- New design
- Pavilions comprising **square metres and bytes**
- **Enhanced** exhibiting areas

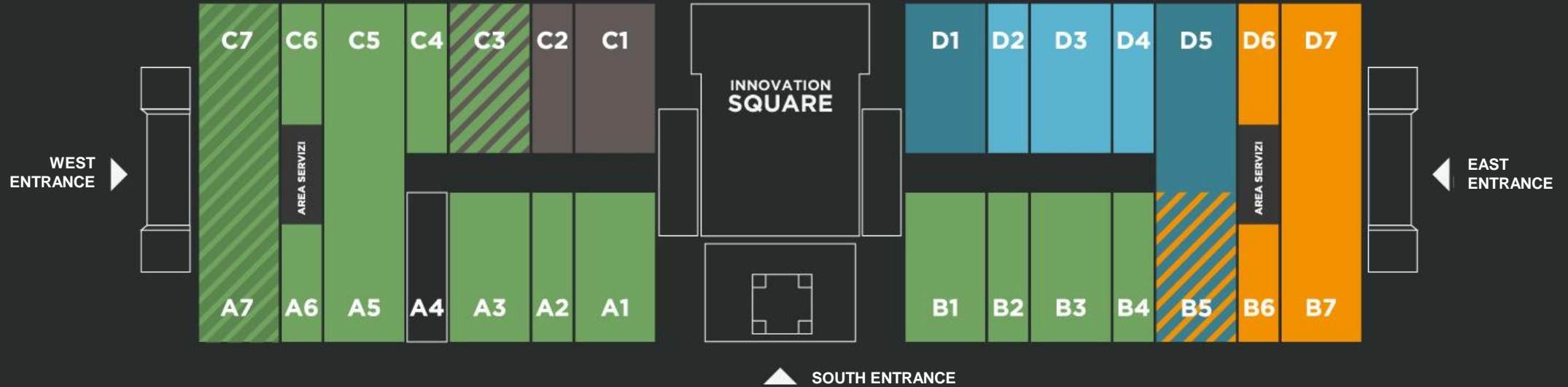
EVENTS AREAS

- Arenas dedicated to **Ecomondo communities**
- Events provide for a mix **between physical and virtual attendance**, streamed live (Youtube, Instagram, FB)

SPECIAL AREAS

- **International Buyers' lounge**
- **Innovation Gallery**
- **Start-up Area**
- **Media village**
- **Meeting Zone**
- **Design Experience**

THE LAYOUT



Waste and Resources	Circular Bioeconomy	Reclamation and hydrogeological risk	Smart mobility & Sustainable City	Renewables & Efficiency
<ul style="list-style-type: none"> - Waste treatment technologies and machinery - Systems and containers for all waste types. - Waste collection and transport equipment and vehicles. Focus on sanitation. - Handling and lifting machinery and equipment. - Recovery, valorisation and integrated management services for various materials. - Sal.ve: vehicle salon for the environment. 	<ul style="list-style-type: none"> - Bioenergy: biomass, bioliquids, biogas, processes and products. - Circular bioeconomy, biomaterials, blue economy. - Aquaculture and fishing. - Ecodesign of products and processes – repair services 	<ul style="list-style-type: none"> - Decontamination and redevelopment of contaminated sites. - Hydrogeological instability and reforestation. - Sustainable management of ports, sediments and coasts. Marine litter. Shipbuilding and naval transport. 	<ul style="list-style-type: none"> - Electric mobility - Sharing mobility - Recharging infrastructure - Utilities - Lighting - Home automation and building automation - Digitisation - Security and control systems 	<ul style="list-style-type: none"> - On- and off-shore wind energy - Photovoltaic and thermal solar - Hydroelectric - Geothermal - Storage - Hydrogen - Energy efficiency for industry - Cogeneration, trigeneration, micro-cogeneration
		<p style="text-align: center;">Water</p> <ul style="list-style-type: none"> - Integrated water cycle. - Integrated monitoring solutions (water, air, soil). 		

**Focus on
conferences
and
conventions**



CIRCULAR ECONOMY TRENDS

Ecomondo-Key Energy is the only platform in Europe to offer a **wide programme of conferences, workshops and seminars** aimed at presenting evidence and new trends related to the circular economy applied to the different supply chains: recycling, water, construction, packaging, electronics, automotive.



Industry 4.0

New frontiers in recycling

Plastic and bioplastics

Water resources

Biorefineries

Air quality

Food waste



THE SCHEDULE OF CONTENTS

- Sustainable technological innovations for materials and energy recycling and recovery
- New management options and assessment tools to accelerate the transition towards circular economy
- Waste management and regulatory changes

Waste management and valorization

Systemic Water Cycle Management and valorization

- Water Projects Europe: focus on systemic innovations
- Successful large-scale applications of systemic planning, risk assessment and safety planning in water use and reuse (including climate change and biodiversity)
- Systemic water-smart innovations to accelerate digital and ecological transition in cities and regions
- Linking recovery fund to regulation and long-term sustainable finance: how are we supporting climate neutral and circular water-smart economy? European case studies and innovations



- Soil health policies and innovation
- The Bluemed Pilot Initiative healthy plastics free Mediterranean sea: the strategy developed by the plastic producing and transforming operators of the area
- Bio-based industry and post Covid recovery
- Green ports and management, and reuse of sediments in coastal areas for sustainable blue growth

Circular Bioeconomy

Circular Economy Value Chains

- Circular Economy in the clothing and textile chain
- Underexploited Circular Economy priorities: eco-design and repair
- Industrial symbiosis for the post-Covid world
- Observatory on Packaging Innovation
- Circularity in the construction sector

ECOMONDO HIGHLIGHTS 2021

- **CIRCULAR ECONOMY** – Systems and technologies for the recovery of secondary raw materials (SRM)
- Use of BIOBASED materials – **Focus on textiles and fashion, WEEE, Packaging/building**
- **Valorisation of the integrated waste cycle**, both revamping of existing installations and construction of new plants
- **Circular economy projects for the reconversion of industries** such as the chemicals industry, etc.
- **Innovative decarbonisation projects through circular economy processes**
- **Material repair and reuse services at cycle closure**
- **Protection of the territory and water resources**, innovative solutions to mitigate hydrogeological instability, and sustainable management of water resources and green urban infrastructure.
- **Intermodality and integrated logistics**
- **Low-carbon transport**
- **Company digitisation solutions** (Transition 4.0) applied to production processes and the public administration in agriculture
- **Start-ups and scale-ups** for Italian innovation in strategic industrial sectors
- **SUSTAINABLE AGRICULTURE** solutions, products and projects to improve agricultural companies' competitiveness and their climate-environmental performance

KEY ENERGY HIGHLIGHTS 2021

- The **new European targets** to 2030
- **Wind** and **solar revamping** and repowering
- Power Purchase Agreements
- **Storage** and digital systems
- Evolution of technologies
- **Energy efficiency**
- **Sustainable city, sustainable mobility**
- **Circular economy** in the management of **services to citizens:**
new technologies and business models
- Increasingly **flexible public transport**
- The future of **shared mobility**
- The future of **electric mobility**

ECOMONDO TECHNICAL AND SCIENTIFIC COMMITTEE

President

- **Fabio Fava**
University of Bologna

Executive Board

- **Gianni Silvestrini** - Kyoto Club & Key Energy Technical Scientific Committee Chair
- **Edo Ronchi & Raimondo Orsini** - Sustainable Development Foundation & The States General of the Green Economy
- **Gian Marco Revel & Francesco Fatone** - Marche Polytechnic University
- **Daniele Cazzuffi** - Cesi Spa
- **Roberto Coizet** - Edizioni Ambiente
- **Mauro Majone & Marco Petrangeli Papini** - "La Sapienza" University
- **Roberto Morabito** – ENEA
- **Giuseppe Padula** - University of San Marino
- **Fabrizio Passarini** – University of Bologna
- **Donato Rotundo** - Confagricoltura

International Advisory Board

Philippe Corvini - University of Applied Sciences Northwestern Switzerland, Switzerland & Environmental Biotechnology section of the European Federation of Biotechnology (EFB)

Nicholas Kalogerakis - Department of Environmental Engineering, Technical University of Crete, Crete, Greece

Christian Patermann - Advisor to the State Government of North-Rhine Westphalia (NRW), Germany & Former Director EU Commission, DG RTD, Environment and Bioeconomy, Brussels

Angelo Salsi - European Commission, Brussels

Jim Philp - OECD, Paris

Despo Fatta-Kassinou - NIREAS-International Water Research

Advisory Board

65 members from main associations, Italian universities and institutions:

ANPAR (National Association of Recycled Aggregates Manufacturers), ARPAE Emilia Romagna Region (Environmental Agency), Blue Growth Technological Cluster, CIC (Italian Composters Consortium), CL. A.N. – National Agrifood Cluster
CONAI (Italian National Packaging Consortium), Confagricoltura Confindustria, Emilia Romagna Region, European Water Regulators (WAREG), Federalimentare, Federchimica, FISE Assoambiente, FISE Unicircular, ISPRA (Italian Higher Institute for Environmental Protection and Research), Italian Biogas and Gasification Consortium, Italian Chemical Society (SCI), Italian Higher Institute for Health (ISS), Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA), Italian National Research Council (CNR), Italian Oil Union, Novamont & Green Chemistry Cluster, Ministry of Economic Development, Municipality of Rimini, National Agrifood Cluster, National Research Council (CNR), The Italian Regulatory Authority for Energy, Networks and Environment (ARERA), University of Bari, University of Bologna

INTERNATIONAL OVERVIEW



ECOMONDO WORLDWIDE



The environmental technology business platform for Latin America. **Ecomondo Brasil** aims to present to the market innovative equipment and solutions for sustainable development in the **Water, Waste and Renewable Energies** sectors, as well as facilitating contact between **green economy investors in Brazil** and potential foreign commercial partners.



Chengdu International Environmental Protection Expo, the largest Green Technologies show in **Western China**, will be held from **2 to 4 September 2021**. Investing in Chengdu means gaining a foothold in Chinese sales channels, in an area with a strong demand for international knowledge and technologies, avoiding more crowded and competitive marketplaces such as Shanghai, Beijing, Shenzhen and Guangzhou.



RIMINI EXPO CENTRE



The event is held in the **modern Rimini Expo Centre**, designed with a focus on **sustainability**, with extensive green areas and fountains using recycled water. By installing projectors and LED lighting, and a **114,000 sqm photovoltaic system**, it has met ambitious energy saving targets: **consumption has been reduced by 66%** and **carbon dioxide emissions by 680 tonnes a year.**

Particular attention has been given to **waste management**: **1,800 tonnes are collected** on average in a year, and of this 1,300 tonnes (**73% of the total**) **are recycled.**

The exhibition grounds as a whole have **UNI EN ISO 14001:2004 certification.**

GREEN CORE



Sustainable mobility

28

sockets for the recharging of cars and motorbikes, free of charge



20%

of visitors use the railway station outside the expo centre



The Ice Bank

-50%

energy used for air conditioning, thanks to an underground plant which generates cold at night and supplies it during the day



Green areas

1.500

plants



Every year, we save...

23.000.000

litres of water



400.000

KWH of energy



680

tonnes of CO2



25.000

meals saved since 2015 with the Food for Good project



30.000

mqs



Photovoltaic systems

114.000

Square meters



7.000.000

kwh/per year of energy produced

TOTAL ANNUAL CONSUMPTION OF THE RIMINI PLANT



3 CONDENSING BOILERS

latest generation modular condensing boilers

HEATING CAPACITY EQUAL TO THAT OF 50 APARTMENTS

OUR PARTNERS

SPONSORSHIPS



COLLABORATIONS



OUR PARTNERS

In collaboration with:

Agenzia ICE, ANCI (Associazione Nazionale Comuni Italiani), ANEV (Associazione Nazionale Energia del Vento), Commissione Europea, CIB (Consorzio Italiano Biogas), CIC (Consorzio Italiano Compostatori), Comune di Rimini, CONAI (Consorzio Nazionale Imballaggi), EBA (European Biogas Association), EFB (European Federation of Biotechnology), ENEA, FEAD (European Federation for Waste Management and Environmental Services), FISE ASSOAMBIENTE, FISE UNICIRCULAR, Fondazione per lo Sviluppo Sostenibile, ISPRA (Istituto Superiore per la Protezione e la Ricerca Ambientale), ISWA (International Solid Waste Association), Legambiente, Ministero dell'Ambiente e della Tutela del Territorio e del Mare, Ministero dello Sviluppo Economico, Regione Emilia Romagna, UTILITALIA, WBA (World Biogas Association), WTTSP (Water Supply and Sanitation Technology Platform).

With the support of:

AIAT (Associazione Ingegneri per l'Ambiente e il Territorio), Albo nazionale gestori ambientali, Alleanza delle Cooperative Italiane, Alma Mater Studiorum-Università di Bologna, ANCO (Associazione Nazionale Concessionari Consorzi), ANFIA (Associazione Nazionale Filiera Industria Automobilistica), Art-ER, ASCOMAC (Federazione Nazionale Commercio Macchine), Assobioplastiche (Associazione Italiana delle Bioplastiche e dei Materiali Biodegradabili e Compostabili), Associazione Geotecnica Italiana, Assocarta (Associazione Nazionale fra gli Industriali della Carta, Cartoni e Paste per Carta), Assofermet, ASSORIMAP (Associazione Nazionale Riciclatori e Rigeneratori di Materie Plastiche), Assovetro (Associazione Nazionale degli Industriali del Vetro), ASSTRA (Associazione Trasporti), Atia - ISWA Italia, Banca Intesa Sanpaolo, Centro di Coordinamento RAEE, Autorità di Regolazione per Energia, Reti e Ambiente (ARERA), COBAT, Cluster Tecnologico nazionale Chimica Verde SPRING, Cluster Tecnologico nazionale Agroalimentare CLAN, Cluster Tecnologico Nazionale Made in Italy, Cluster Tecnologico Nazionale Blue Growth BIG, CNA, CNR, Coldiretti, Comieco (Consorzio nazionale recupero e riciclo degli imballaggi a base cellulosica), Confagricoltura, Confapi (Confederazione italiana della piccola e media industria), Confcommercio, Confindustria, CONIP (Consorzio Nazionale Imballaggi Plastici), CONOE (Consorzio nazionale di raccolta e trattamento degli oli e dei grassi vegetali ed animali esausti), Consorzio Nazionale Acciaio, CONOU (Consorzio Nazionale per la Gestione, Raccolta e Trattamento degli Oli Minerali Usati), Consiglio Nazionale Periti Industriali, COREPLA (Consorzio Nazionale per la raccolta, il riciclo e il recupero degli imballaggi in plastica), COREVE (Consorzio Recupero Vetro), Federalimentare, Federchimica, Federmacchine, ISS (Istituto Superiore di Sanità), Italcogen (Associazione dei costruttori e distributori di impianti di cogenerazione), Kyoto Club, Polieco (Consorzio Nazionale per il riciclaggio dei rifiuti dei beni a base di Polietilene), RICREA (Consorzio Nazionale Riciclo e Recupero Imballaggi Acciaio), Rilegno (Consorzio nazionale per la raccolta, il recupero e il riciclaggio degli imballaggi in legno), S.C.I. (Società Chimica Italiana), UNACEA (Unione Nazionale Aziende Construction Equipment & Attachments), UP - Unione Petrolifera Italiana, Università politecnica delle Marche, Università "La Sapienza" di Roma, Università di San Marino, Università di Brescia, Università di Bari, Università di Viterbo, University of Crete.

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**Thank you
for attention**

**ITALIAN
EXHIBITION
GROUP**
Providing the future

ECOMONDO
THE GREEN TECHNOLOGY EXPO