

Ecomondo 2024

05 / 06 / 07 / 08 NOVEMBER

Legend

-  Agroecology and Bioenergy
-  Circular and Regenerative Bioeconomy
-  Environmental Monitoring and Earth Observation
-  Exhibitors and partners events
-  Financing, education and communication
-  Policies and regulatory frameworks
-  Resource efficiency and Circular Economy
-  Sites & Soil Maintenance and Restoration
-  Water cycle and Blue Economy

TUESDAY 5 NOVEMBER

TUESDAY 5
NOVEMBER

10:00 -
13:00

Agorà Malatesta -
Environmental
Monitoring Area
D8 pav.

**Environmental
Monitoring and
Earth
Observation**

Onsite event

[Click here](#)

Indoor air: the role in the environment and health relationship

Language: Italian

organized by Ecomondo STC & National Institute of Health

with speeches and posters from the Call for Papers 2024

The purpose of this conference is to present initiatives, strategies and conceivable actions to follow on indoor air quality, to reduce the exposure of the population and workers. In particular, it should be highlighted that it is necessary to cover, in the transposition of the new European Directive on air quality, the inclusion of reference values for indoor air quality to be adopted by Italy.

Session Chairs

Gaetano Settimo, Italian National Institute of Health
Gianluigi de Gennaro, University of Bari

Programme

10.15 Introduction by the Chairs

10.30-10.55 *Indoor air quality and WHO initiatives*
Luca Fontana, WHO, Ginevra

10.55-11.10 *The Indoor Pollution Study Group ISS: activities and directions for the development of a national strategy*
Gaetano Settimo, National Institute of Health

11.10-11.25 *Title of the talk from Ecomondo Company 1*
Speaker, Affiliation

11.25-12.30 *Speeches selected from the Call for Papers*

12.30 Discussion and closure by the Chairs

TUESDAY 5
NOVEMBER

10:00 -
13:15

Agorà Fellini –
Sites & Soil
Restoration Area
C3 pav.

**Sites & Soil
Maintenance
and Restoration**
Onsite event
[Click here](#)

Early Warning Systems for Landslide Risk Mitigation

Language: Italian

organized by Ecomondo STC & Italian Geotechnical Society - AGI-IGS Section

Landslides pose significant threat to communities and infrastructure worldwide, necessitating the development of effective hazard and exposure reduction strategies to mitigate potential risks. Hazard reduction strategies, exposure reduction strategies and vulnerability reduction strategies can be adopted to reduce landslide risk.

This conference deals with the issue of early warning systems used for landslide risk mitigation. These systems, which identify and manage the paroxysmal phases of landslides by alerting and/or temporarily relocating the population, are increasingly applied all over the world also thanks to reduced management costs.

Session Chairs

Daniele Cazzuffi, CESI SpA Milan and AGI-IGS President
Nicola Moraci, Mediterranean University of Reggio Calabria and AGI-IGS Vice President

Programme

9.30-10.00 Participants' registration

10.00-10.15 Introduction
Daniele Cazzuffi, CESI SpA

10.15-10.40 *Different strategies for Landslide Risk Mitigation*
Nicola Moraci, Mediterranean University of Reggio Calabria

10.40-11.05 *Early Warning strategies for Landslide Risk Mitigation*
Michele Calvello, University of Salerno

11.05-11.30 *Integrate monitoring systems in the framework of risk mitigation strategies*
Filippo Soccodato, Iating (Roma) (TBC)

11.05-11.55 *Territorial Early warning System*
Luca Piciullo, Norwegian Geotechnical Institute, NGI – Oslo

11.55-12.20 *Local Early warning System: the case study of the La Saxe landslide*
Davide Bertolo, Valle d'Aosta Region (TBC)

12.20-12.45 *Learning Platform for Early Warning Systems: the importance of an effective communication*
Loredana Antronico, CNR IRPI – Rende (CS)

12.45-13.15 Discussion and Conclusions

TUESDAY 5
NOVEMBER

10:00 -
17:00

Agorà Blue
Economy B8 Pav.

**Water cycle and
Blue Economy**

Onsite event

[Click here](#)

Coastal Resilience and Adaptation to Climate Change: a policy, technical-scientific and financial challenge for coastal safety and Blue Economy sustainable development

Language: Italian

Simultaneous translation: English

organized by Ecomondo STC & Italian Ministry of Environment and Energy Security, ISPRA (Italian Institute for Environmental Protection and Research), GNRAC, CPMR

Is the current EU and National climate action enable to address the challenges of adapting to the ongoing climate change? From the reduction of vulnerability to the strengthening of readiness of public policies in coastal territories? It is a question that institutions at different levels and the scientific community are called to answer for coastal territories and population safety and for the sustainable development of coastal-based Blue Economy sectors in a changing climate scenario.

Although the capacity to analyze and understand the impacts of climate change, the forecasting of future scenarios and, from a technical point of view, the ability to design and implement specific solutions, have progressed significantly in recent decades, much effort still needs to be made to improve access to available EU/national funds and to address the lack of specific programs and/or financial mechanisms to enable regional and local authorities in accelerating the delivery of important innovative adaptation solutions.

According to a recent study (<https://www.nature.com/articles/s41598-023-48136-y>) by the European Institute for Economics and Environment - EIEE, the sea level rise due to climate change could cost Europe up to €872 billion by 2100, due to the potential economic impacts on 271 maritime regions, with particular emphasis in the Mediterranean where more than 40,000 km of coastline are at risk.

Maritime Regions are at the forefront regarding these impacts. Although they already have very ambitious and consolidated adaptation strategies, re-designing coastal areas and make them more resilient to climate change effects (sea level rise, floods, storm surges, marine ingression, coastal erosion, wildfires, droughts, etc.,) needs relevant investments and a considerable administrative effort. In addition, in order to implement large-scale intervention programs, the Regions have to face legislative barriers, high fragmentation of funding sources, diversification and complexity of procedures and eligibility criteria, which often discourage or cause significant delays in implementation.

In this regard, special attention must be paid to the new generation of National Adaptation Plans (NAPs), which should ensure an effective multilevel and multi actors governance and provide higher funding and administrative support for Regional and Local authorities (e.g. see recommendations delivered by the European Commission under its last assessment of the NAPs). An ambitious political response on funds should be provided as soon as possible, both at European and National level, to allow Regional and Local Authorities to successfully implement their adaptation strategies and plans.

The event in Ecomondo aims to take stock of the state of scientific knowledge regarding the effects of ongoing climate change on our coasts and the future scenarios to be addressed, as well as the adaptation policies and good practices put in place across Europe. It wants to continue its strategic mission of “key forum” to brainstorm on innovative solutions and deliver recommendations for policy change to make easier the access to funds for the adaptation of coasts and territories to the effects of climate change, hopefully as early as for the post-2027 programming period.

Session Chairs

Enzo Pranzini, Lorenzo Cappiotti, GNRAC (National Group for Research on Coastal Environment)
Giuseppe Sciacca, CPMR (Conference of Peripheral Maritime Regions of Europe)
Roberto Montanari, Emilia-Romagna Region

Programme

Session Chairs

Enzo Pranzini and Lorenzo Cappiotti, GNRAC (National Group for Research on Coastal Environment)
Giuseppe Sciacca, CPMR (Conference of Peripheral Maritime Regions of Europe)
Roberto Montanari, Emilia-Romagna Region

Programme

10.00 Introduction by the Chairs

Keynote speech: *Increasing Coastal Resilience for coastal and ocean hazards. The Vision 2030 process*

Nadia Pinardi, UN Decade Collaborative Center on Coastal Resilience (DCC-CR)

SESSION 1 – *State of Play & Challenges*

European Climate Risk Assessment (EUCRA) overall outcomes on climate risks, adaptation actions and policies, and focus on European marine-coastal ecosystems.
Julie Berckmans, European Environment Agency (EEA)

State of play of implementation of the Italian National Plan for CC Adaptation
Fabiana Baffo, Ministry of Environment and Energy Safety (MASE)

European adaptation policies implementation and perspectives for the future challenge
Elina Bardram, Director for Adaptation and Resilience, Communication, and Civil Society Relations in DG CLIMA, European Commission and Mission Manager for the EU Mission on Adaptation to Climate Change

SESSION 2 – *Finding solutions*

Accessibility to funds for adaptation, financing for the EU ACC Strategy implementation
Roberto Rando, Principal Advisor - Climate Office, Operational Management & Policy Support Operations Directorate, European Investment Bank (TBC)

Needs and perspectives of structural funds for climate change adaptation: use case in ERDF-RP 2021-2027 in Emilia-Romagna and first lessons learned

Claudia Romano, Responsible of Area Energy and Green Economy, Emilia-Romagna Region, Managing Authority ERDF-PR

The indicators of climate change impacts in coastal areas: data as guide for identifying actions

Marco Picone, National Centre for Coastal Zone Protection and Characterization, Marine Climatology and for Operational Oceanography - ISPRA (Institute for Environmental Protection and Research)

How to enhance the European statistic capability in describing needs for adaptation and efficacy of actions implemented

Viveka Palm, European Commission - DG ESTAT, Director Unit E (TBC)

SESSION 3 – Good Practices

Enablers and barriers to implementing Nature-based Solutions to build coastal resilience in Ireland

Eugene Farrell, University of Galway (Ireland)

State of implementation of the "Parco del Mare" intervention on Rimini waterfront, for mitigation of climate change impacts

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

Specific experience of adaptation action/intervention implemented or under implementation in the European panorama ([France case](#))

Bertrand Coppin, Policy Officer - Region of Hauts-de-France (TBC)

Adaptation to climate change in low-lying and urbanized coasts, the case of Marina di Pisa

Lorenzo Cappiotti, GNRAC - University of Florence

TUESDAY 5
NOVEMBER

10:00 -
17:30

Tiglio Room A6
pav.

**Resource
efficiency and
Circular
Economy**
Onsite event
[Click here](#)

Technological solutions for resources recovery from end-of-life products and materials

Language: English

Simultaneous translation: Italian

organized by Ecomondo STC & Italian Chemical Society – Division Environmental and Cultural Heritage Chemistry, ISWA international, ATIA – ISWA

with speeches and posters from the Call for Papers 2024

The current circular material use rate in the EU is estimated below 12%, indicating a considerable difficulty in the valorisation of end-of-life goods. Thus, the increasing demand for natural resources still characterizes most economic value chains, hindering an effective implementation of the principles of circular economy. A stronger effort is clearly needed to reach the European target of recycling and recovery, with the fundamental contribution of technological innovations, which can trigger virtuous industrial experiences.

This seminar will propose examples of novel technical solutions which could have the potential to significantly improve the performance of waste valorisation in different economic sectors.

Session Chairs

Fabrizio Passarini, Ecomondo STC and University of Bologna
Paolo Massarini, ATIA – ISWA (TBC)

Programme

9.30 Introduction by the Chairs

Invited lectures

9.45-10.00 *Project “Waste2BioComp” - Converting organic waste into sustainable bio-based components*

Renato Mortera, Propagroup (TBC)

10.00-10.15 *Life “New4Cartridges”: a new circular paradigm for Reuse and Recycling of Ink Cartridges*

Federica Gerardi, Eco Store

Speeches selected from the Call for Papers

17.15-17.30 Discussion and closure by the Chairs

POSTER SESSION

TUESDAY 5
NOVEMBER

10:15 -
17:00

Agorà Tiberio –
Water Cycle Area
D8 pav.

**Water cycle and
Blue Economy**

Onsite event

[Click here](#)

Integrated solutions to adapt water systems to climate change: European and Mediterranean impacts, solutions and innovation actions

Language: English

organized by Ecomondo STC & Union for the Mediterranean, Water Europe, Marche Polytechnic University, University of Bologna, ANBI (National Association of Land Reclamation and Irrigation Consortia)

with speeches and posters from the Call for Papers 2024

Climate change is exacerbating both water scarcity and water-related hazards (such as floods and droughts), as rising temperatures disrupt precipitation patterns and the entire water cycle. The Mediterranean basin is a climate change hotspot and projected climate water-related risk from IPCC are serious. Water solutions include healthy aquatic ecosystems and improved water management can lower greenhouse gas emissions and provide protection against climate hazards, wetlands also serve as a buffer against extreme weather events, early warning systems for floods, droughts and other water-related hazards, water-resilient infrastructure planned and constructed following a systemic and nexus-based approach, climate smart agriculture. This workshop will be divided in 3 sessions addressing main challenges and solutions with contributions from international networks and consortia, water authorities, agencies and utilities as well as the innovators.

Session 1:

Climate change observed, monitored and projected impacts

Session Chairs

Alessandro Bratti, Po River Basin Authority

Giuseppe Bortone, ASSOARPA

Session 2:

Solutions for adaptation: resilient reconstruction, alternative water sources, improved reservoirs, etc

Session Chairs

Attilio Toscano, Ecomondo STC and University of Bologna

Representative of UTILITALIA (TBC)

Representative of ANBI (TBC)

Representative of Italian Ministry of Environment and Energy Security (TBC)

Representative of Italian Ministry of Infrastructures and Transport (TBC)

Representative of Commissioner for dams (TBC)

Session 3:

Strategic and systemic EU-funded and international innovation actions and missions (HEU, PRIMA, grandi LIFE) focus Mediterraneo

Session Chairs

Representative of Union for the Mediterranean (TBC)

Andrea Rubini, Water Europe

Francesco Fatone, Ecomondo STC and Marche Polytechnic University

TUESDAY 5
NOVEMBER

14:00 -
15:30

Agorà Augusto –
Bioeconomy Area
D2 pav.

**Agroecology and
Bioenergy**
Onsite event
[Click here](#)

Organic agriculture in Italy between short value chain and foreign markets

organized by Ecomondo STC & Coldiretti, ColdirettiBIO

Italian organic agriculture can perfectly embody the values of the Mediterranean diet, from field to table, with a comprehensive certification system that guarantees Italian agricultural producers and consumers. The purpose of the workshop is to define a strategic and market positioning for Italian organic products.

Session Chairs

Stefano Masini, Coldiretti
Maria Letizia Gardoni, ColdirettiBio

Programme

Introduction by the Chairs

The numbers of the sector
Fabio del Bravo, ISMEA

Organic farming in local markets: products in the markets of Campagna Amica
Daniele Taffon, Fondazione Campagna Amica

Biodynamic agriculture and international markets
Enrico Amico, Demeter

Services for the sector
Gabriele Papa Pagliardini, Federbio servizi

Discussion and closure by the Chairs

TUESDAY 5
NOVEMBER

14:00 -
16:00

Ravezzi 2 South
Hall

**Financing,
education and
communication**
Onsite event
[Click here](#)

Green bonds: a strategic tool for financing climate adaptation

Language: Italian
Simultaneous translation: English

organized by Ecomondo STC & Forum per la Finanza Sostenibile (ItaSIF – Italian Sustainable Investment Forum)

As the urgency of addressing climate change intensifies, green bonds stand out as a crucial financial tool for financing adaptation initiatives aimed at reducing environmental impacts. Indeed, green bonds can drive financial systems towards a resilient and adaptive future; however, there is a need for robust frameworks to counteract misalignments and prevent greenwashing in climate adaptation finance. The conference will examine the role of green bonds in climate adaptation, with a focus also on mini green bonds for SMEs adaptation projects.

Session Chair

Francesco Bicciato, Executive Director, Forum per la Finanza Sostenibile - ItaSIF

Programme

14.00 Introduction by the Chair

14.10-14.25 Lavinia Monti, Dipartimento del Tesoro, Ministero dell'Economia e delle Finanze

14.25-14.40 Linda Zeilina, Founder & CEO, International Sustainable Finance Centre

14.40-14.55 Fabrizio Palmucci, Founder, Impactivise and Senior Advisor, Climate Bonds Initiative

14.55-15.10 Isabel Reuss, Senior Climate and Social Advisor, Forum per la Finanza Sostenibile - ItaSIF

15.10-15.25 *Title of the talk from Ecomondo Company 1*
Speaker (TBD)

15.25-15.40 *Title of the talk from Ecomondo Company 2*
Speaker (TBD)

15.40 Discussion and closure by the Chair

TUESDAY 5
NOVEMBER

14:00 -
16:00

Ravezzi 1 Room
South Hall

**Environmental
Monitoring and
Earth**

Observation

Onsite event

[Click here](#)

Earth Observation and Digital Twins to improve Urban Resilience.

Utilization of digital mapping, artificial intelligence and ICT, to support the development of modern (near real-time) urban management

Language: Italian

Simultaneous translation: English

organized by Ecomondo STC & Polytechnic University of Turin

Earth Observation, with its Digital twins, as virtual replicas of physical entities, enable the dynamic modeling of ecosystems and infrastructure networks, providing actionable insights into sustainable urban development, environmental protection, and resource management. By integrating high-resolution Earth Observation data, these digital models can offer near real-time monitoring and predictive analytics for urban planning, environmental conservation, and sustainable green energy transition strategies.

This year's workshop, organized by the Foresight and Strategic Planning Office of the Politecnico di Torino, will delve into the modern applications of digital mapping, artificial intelligence, and ICT. Participants will uncover how these technologies enable near real-time capabilities, focusing on urban planning improvements in carbon-free mobility, building energy performance (including buildings of historical interest), and environmental management.

ECOMONDO 2024 serves as a prestigious platform to exchange ideas among leaders and innovators as they discuss the pivotal role of advanced technologies in making urban management more efficient, resilient, and sustainable. This event is not just a platform for learning but a beacon for change, providing actionable insights that can be implemented to foster the green transition.

Session Chair

Giovanni Federigo De Santi, Polytechnic University of Turin

Programme

14.00-14.15 *Welcome address*

Giovanni Federigo De Santi, Polytechnic University of Turin

Fabio Fava, Ecomondo Scientific Committee Chairman

Institutional greetings

Gilberto Pichetto Fratin, Italian Minister of Environment and Energy Security (TBC)

14.15-15.00 Keynote speeches:

The Road to Carbon-Free Mobility

Jan Pettersson, Swedish Transport Administration, PIARC, International Technical Committee 3.5 President

Monitoring Urban Landscapes: The Power of Data and Digital Twins

Piero Boccardo, Polytechnic University of Turin, ITHACA President

Earth Observation Technologies to improve environmental management

Silvano Pecora, Italian Ministry of Environment and Energy Security

15.00-16.00 Round table "Advancing the future of urban resilience"

Chaired by:

Stefano Corgnati, Polytechnic University of Turin, Rector

Giovanni De Santi, Chairman

Participants:

Francesco Tresso, City of Torino, Councillor

Stefano Bonaccini, Emilia-Romagna Region President (TBC)

Franco Cotana, RSE CEO (TBC)

Silvano Pecora, Italian Ministry of Environment and Energy Security

Luigi La Rocca, Italian Ministry of Culture, Director General (TBC)

Alessandra Zampieri, European Commission DG JRC Director

Veronica Manfredi, European Commission DG ENV Director

Francesco Ubertini, CINECA President

Edoardo Valente, ANAS President

TUESDAY 5
NOVEMBER

14:00 -
16:45

Agorà Ariminum –
Circular Economy
Area D1 pav.

**Resource
efficiency and
Circular
Economy**
Onsite event
[Click here](#)

Circular economy best practice for WEEE, Waste Batteries and Packaging Waste: from policy development to industrial case studies

Language: Italian

organized by Ecomondo STC & ERION (Multi-compliance non-profit System for the management of different types of waste)

The current global and European context is pushing the electrical and electronic equipment sector towards adopting strategies based on the circular economy. The goal is to increase the amount of materials derived from waste, thus encouraging greater waste collection by both consumers and professional entities, such as offices and industries. Through the presentation of virtuous practices to optimize waste management, innovative solutions along the product value chain of high-tech products will be discussed, as well as the opportunities offered by regulatory developments, such as the packaging regulations, battery regulations, the CRM Act and the upcoming revision of the WEEE Directive. Initiatives involving three supply chains related to advanced technology products will be explored: electrical and electronic equipment (EEE), batteries and accumulators, and electronic product packaging.

Session Chair

Luca Campadello, ERION

Programme

14.00-14.15 Introduction by the Chairs

14.15-15.00 *Regulations and circular economy models in the supply chains of WEEE, Waste Batteries and Packaging Waste*

Speakers:

Andrea Farì, Ambientalex

Fabrizio Longoni, CdCRAEE

Luca Tepsich, CdCNPA

Representative of CONAI (TBD)

Representative of Italian Ministry of Environment and Energy Security (TBD)

Representative of European Commission (TBD)

15.00-16.30 Solutions to improve the collection, preparation for reuse, and recycling of WEEE, Waste Batteries and Packaging Waste:

- *the supply chain for recovering Neodymium from WEEE and electric mobility*
Francesco Gallo, Itelyum
- *the role of distribution in raising consumer awareness and waste management*
Distribution Company (TBD)
- *circular economy initiatives of online marketplace*
Paolo Chini, Amazon
- *new business models, pilot actions and strategic plans for WEEE circularity*

from CIRCOTRONIC project
A.Tiziana De Nittis, Emilia-Romagna Region

- *supply chain solutions for lithium batteries*
Lithium Battery Manufacturer (TBD)
- *circular solutions for EEE and packaging*
EEE and Packaging Manufacturer (TBD)
Regeneration company (TBD)

16.30-16.45 Discussion and closure by the Chairs

TUESDAY 5
NOVEMBER

14:00 -
17:30

Agorà Malatesta –
Environmental
Monitoring Area
D8 pav.

**Environmental
Monitoring and
Earth
Observation**
Onsite event
[Click here](#)

Odor emissions: from abatement technologies to new control strategies

Language: Italian

organized by Ecomondo STC & ISPRA (Italian Institute for Protection and Environmental Research), Italian Chemical Society - Division of Environmental and Cultural Heritage Chemistry

with speeches and posters from the Call for Papers 2024

The Ecomondo Odor Emissions conference (at its fourteenth edition) is a flagship event for the community of most important industry and academic players. Researchers, Industry, Public administration and Environmental Agencies exchange their different experiences on a topic that is becoming of great relevance in environmental planning. As usual, the workshop will be opened with an update on the work of national and international technical committees on odor regulations. The following are planned: the interventions of the main public research bodies operating in this sector; the presentation of case studies and best practices by public administrations, control agencies and companies that develop technologies on the topic.

Session Chairs

Gianluigi de Gennaro, University of Bari "Aldo Moro"
 Lucia Muto, ISPRA
 Gaetano Settimo, National Institute of Health

Programme

14.00 Introduction by the Chairs (and a short summary on the papers presented through posters)

Two invited lectures

Speeches selected from the Call for Papers

15.00-16.30 Sessions

16.30-17.00 Poster Session

17.00-17.20 Discussion and closure by the Chairs

TUESDAY 5
NOVEMBER

14:15 -
17:45

Agorà Fellini –
Sites & Soil
Restoration Area
C3 pav.

**Sites & Soil
Maintenance
and Restoration**
Onsite event
[Click here](#)

Flood control reservoirs: needs, potential, problems, case studies

Language: Italian

organized by Ecomondo Scientific Technical Committee & Italian Geotechnical Society - AGI-IGS Section

The presence of a dam on a river, capable of creating a significant accumulation basin upstream (reservoir), can determine important changes in the hydrometric regime downstream compared to natural conditions. Flood lamination consists in the modification of the outgoing flood wave compared to its natural structure, with the most evident effect of reducing the flood peak. This ability to reduce the heights of flood waves is the basis for the use of reservoirs and lamination tanks as a resource for the hydraulic protection of territories located downstream. This conference addresses the topic of reservoirs for flood lamination and lamination tanks, providing a general framework and delving into the theoretical, applicative and regulatory aspects. Examples of flood lamination reservoirs and specific case studies are also presented.

Programme

13.45-14.15 Participants registration

14.15-14.30 Introduction

Daniele Cazzuffi, CESI SpA & President AGI-IGS

Nicola Moraci, University Mediterranea Reggio Calabria & Vice President AGI-IGS

Francesco Fornari, Enel GreenPower & Italian Dams Committee (ITCOLD)

Alberto Bonafé, Enel GreenPower & Italian Dams Committee (ITCOLD)

14.30- 15.30 Keynote lectures

General overview of the topic, potential and problems

Armando Brath, University of Bologna, President of the Italian Hydrotechnics Association and Chairman of the ITCOLD Working Group on Flood Control Reservoirs

Theoretical and practical aspects

Alberto Bonafé, Enel GreenPower

Regulatory aspects

Dam Authority (speaker to be confirmed)

15.30- 17.00 Experiences – Case Studies

Flood control reservoirs: an integrated methodology to plan priorities in Emilia-Romagna

Monica Guida, Settore Difesa del Territorio – Regione Emilia-Romagna

The case study of flood control reservoir of the Parma river (Emilia-Romagna)

Gianluca Zanichelli, Interregional Agency for the Po River

Flood storage for the Corbara dam (Umbria region)

Enrico Paganini, Enel Green Power

The importance of communicating with the public and combating ignorance

Tonino Bernabè, Romagna Acque

17.00-17.45 Discussion and Conclusions

TUESDAY 5
NOVEMBER

16:30 -

18:30

Ravezzi 2 South
Hall

**Resource
efficiency and
Circular
Economy**
Onsite event
[Click here](#)

Plastic and the challenge of the circular economy

Language: Italian

organized by Ecomondo STC & ISPRA (Italian Institute for Environmental Protection and Research)

The European strategy for plastics in a circular economy lays the foundations for a new economy of this fraction, identifying specific objectives, including that of ensuring by 2030 the full recyclability of all packaging placed on the market as well as the recycling of more than half of plastic packaging waste.

At present, the most updated data, referring to 2022, show a plastic packaging recycling percentage of 48.9%. Alongside the recycling objectives, the European legislation also introduces targets of recycled material content in packaging put on the market, with reference for example to packaging for liquid foodstuffs for which targets of 25% are set by 2025 in the case of PET bottles with a capacity of up to three liters and of 30% by 2030 for all types of drink bottles.

The implementation of separate collection systems can improve the quality of the collected waste and can reduce the contamination of the different fractions, representing a structural element to guarantee the achievement of the new targets. Available data show that plastic, including all types of materials and not just packaging, still tends to be largely concentrated in mixed municipal waste with an overall recycling percentage of 20-25% compared to municipal plastic waste yearly generated.

Maximizing recycling also requires investments in new technologies, aimed at valorizing the currently non-recoverable fractions, alongside those already consolidated. The definition of the national strategy on plastics can guarantee to our country an effective path of technological innovation.

The day is an opportunity to take stock of the measures implemented and the technological possibilities available.

Session Chair

Valeria Frittelloni, Head of Department of Environmental Assessment, Monitoring and Sustainability, ISPRA

Programme

Andrea Massimiliano Lanz, Head of the National Centre for Waste and Circular Economy of ISPRA

Pierluigi Barbaro, Institute of Chemistry of Organometallic Compounds of ICCOM-CNR (National Research Council)

Representativo of ANCI (TBC)

Luca Mariotto, Environment Unit Director of Utilitalia

Marilena di Brino Assorimap

Vincenzo Lumia, DG Plastic Europe Italia

Libero Cantarella, DG Unionplast

Cristina Poggessi, DG IPPR

Conclusions

Laura D'Aprile, Head of the Sustainable Development Department of the Italian Ministry of the Environment and Energy Security

WEDNESDAY 6 NOVEMBER

WEDNESDAY 6
NOVEMBER

10:00 -
13:00

Mimosa Room B6
pav.

**Resource
efficiency and
Circular
Economy**
Onsite event
[Click here](#)

Supporting the transition of Italian industrial areas and brown-areas into eco-industrial parks and the implementation of Industrial Symbiosis as a management routine tool for companies

organized by Ecomondo STC & ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development), SUN (Symbiosis Users Network)

[OPEN TO PAPERS](#)

Economic and non-economic tools and incentives play a crucial role in accompanying the transition from linear production and consumption models to sustainable and circular ones. The so called "Cronoprogramma" of the Italian National Strategy for Circular Economy, in this perspective, envisages the support of industrial symbiosis projects through the development of tools and/or incentive schemes and proposes, in addition, the use of business networks with circular purposes and the regeneration of brownfields into circular eco-districts (eco-industrial parks), including through industrial symbiosis. To this end, involvement and discussion with and among stakeholders such as businesses, public administrations, universities and research organizations, education/training systems, trade associations and the third sector is also essential. In this context, the 8th SUN Network Conference is an opportunity to focus attention on economic and non-economic tools and incentives for the promotion of industrial symbiosis and the transition of Italian industrial areas to the circular eco-district model.

Session chairs

Alessandra De Santis, economycircolare.com (TBC)
Laura Cutaia, ENEA – SSPT Department, SUN President

Programme

10.00-10.10 Introduction

10.10-11.00 Invited speakers

Carlo Zaghi, Ministry of Environment and Energy Security
Roberto Tatò, Ministry of enterprises and made in Italy
Maria Teresa Monteduro, Ministry of economy and finance
Michele Posocco, Favini
Giovanni Caniglia, Pelligra Holding
Giancarlo Bellina, Confindustria Siracusa e Brown2Green Sicily
Silvia Sbaffoni, ENEA - – SUN Symbiosis Users Network

11.00-12.20 Speeches selected from the Call for Papers

Perché le imprese italiane (non) implementano la simbiosi industriale?
Luca Fraccascia, Sapienza Università di Roma

Analisi degli strumenti finanziari utili a favorire la riconversione delle aree produttive italiane in un quadro green e sostenibile.

Giovanni Moccia, Centro Studi Di Ricerche Economiche e Sociali Mondì Sostenibili

From textile waste to resource: exploring industrial symbiosis opportunities between the textile and the furniture sectors

Giovanni Miccolis, Politecnico di Bari

SYMBA - Securing local supply chains via the development of new Methods to assess the circularity and symbiosis of the Bio-based industrial ecosystem enhancing the EU

Antonietta Pizza, ENCO s.r.l.

FacilitAmbiente, la facilitazione a supporto delle simbiosi industriali

Elisabetta Mauri, Camera Di Commercio Di Milano Monza Brianza Lodi - Camera Arbitrale Di Milano

An Industrial symbiosis top-down approach to plan industrial districts based on the exploitation of waste heat from different production processes

Giuseppe Mancini, Università di Catania

Distretti energetici circolari: il modello concreto per trasformare i rifiuti in risorse

Giovanni Baldassarre, Edison Next

Trieste Net0: Strategie di decarbonizzazione dell'area industriale giuliana

Augusto Peruzzi, Capgemini

12.20-12.55 Pitch – Case study

Chair: Tiziana Beltrani, ENEA

Sustainable Urban Ecosystems: Advancing Waste Management, Circular Economy Practices, and Symbiotic Solutions in Eastern Amman's Industrial Cities

Haneen Hassouneh, SCDA - Non-Profit Organization

La circolarità della Valutazione Ambientale Strategica per l'attuazione di scelte sostenibili di pianificazione e sviluppo economico del territorio della Regione Basilicata

Maria Carmela Bruno, Regione Basilicata

Circularità per il rinverdimento dei compositi - Circularity for greening compositi

Maria Savina Pianesi, Delta s.r.l.

Enhancing industrial symbiosis as a business model in POREM's value chain: assessing its potential economic impact in Italy

Alice Dall'Ara, ADA S.r.l.s

Governing the Industrial parks: different Governance models to sustainable and circular Industrial parks

Massimo Di Domenico, Fondazione Lombardia per l'Ambiente – FLA

Sportello circolarità

Paolo Maffè, Confindustria Novara Vercelli Valsesia

Use of Biochar in Metallurgical Sector: Potentials for Industrial Symbiosis and Transition to Circular Eco-Districts in Lombardy

Reza Vahidzadeh, Università degli Studi di Brescia

12.55-13.00 Conclusion

SESSIONE POSTER

Chair: Marco La Monica, ENEA

1. Promoting Industrial Symbiosis and Sustainable Agricultural Practices Using Algae
Inese Skapste, Latvia University of Life Sciences and Technologies, Latvia

2. Per un Ecosistema dei Centri di Preparazione per il Riutilizzo in Italia
Luca Pomili, Luca Pomili, Pomili Demolizioni Speciali Srl

3. WaStudy: la 4° edizione dell'osservatorio italiano del mercato dei rifiuti speciali
Alberto Marazzato, Marazzato Soluzioni Ambientali Srl

4. Trasformazione del paesaggio industriale: revisione della letteratura sulle NBS in Europa e Italia
Maria Elena Bini, Sara Pennellini, Alessandra Fiorucci, Alessandra Bonoli, Università di Bologna

5. Decarbonization of the Taranto steelmaking area: reduction of environmental and climate impacts
Francesco Cardellicchio, CNR

6. Mapping the Horizon projects concerning the development of incentives for industrial symbiosis
Mariarita Paciolla¹, Anna Rita Ceddia², Marco La Monica², ¹CDCA - Centro di Documentazione sui Conflitti Ambientali, ²ENEA

7. Towards a standardized approach: UNI PdR for Biodiversity Credits
Simone Mazzola¹, Salvatore Faugno², Simona Alberti^{1,3}, Francesca Barbero³, Luca Pietro Casacci³, Marino Quaranta⁴, Monica Riva⁵, Daria Maso⁵, Pietro Spataro⁶, Giorgio Pelassa⁷, AA.VV⁸, ¹3Bee srl, ²Università Federico II di Napoli, ³Università di Torino, ⁴Crea di Bologna, ⁵Bureau Veritas, ⁶Climate Standard, ⁷Regione Piemonte, ⁸UNI - Ente Italiano di Normazione

8. I.F. - Second Life Furniture
Michela Reale RINNOVATIVE S.r.l.

9. Approcci e strumenti per l'analisi e la modellizzazione di scenari circolari nelle filiere locali: il Progetto "MAX SHEEP"
Raffaella Taddeo¹, Enrico Vagnoni², Rosa Di Capua³, Veronica Casolani¹, Alberto Simboli², Andrea Raggi², Valentino Tascione¹, Alessandra Piga², Sara Bortolu², Bruno Notarnicola³, Pietro Alexander Renzulli³, ¹Università degli Studi "G. d'Annunzio" di Chieti-Pescara, ²CNR, ³Università degli Studi di Bari Aldo Moro

10. Strumenti e incentivi per la promozione della riconversione delle aree produttive Italiane in parchi eco industriali e per la diffusione della Simbiosi Industriale
Giolitti Gianfranco, Edison Regea S.r.l.

11. Application of multi-criteria decision analysis approach for evaluating the sustainability of landfills waste in Sicily
Agata Matarazzo, Salvatore Ingenito, Massimo Riccardo Costanzo, Antonio Zerbo, Università Di Catania

12. *Linking agri-food good practices of circular economy with technology readiness levels*

Agata Matarazzo, Salvatore Ingenito, Massimo Riccardo Costanzo, Carla Serrano, Università Di Catania

13. *Environmental performance and economic feasibility assessment of a Sicilian composting process as an example of transition from linear to circular production models*

Salvatore Ingenito¹, Massimo Riccardo Costanzo¹, Giuseppe Guagliardi², Angelo Lapiana², Agata Matarazzo¹, ¹Università di Catania, ²Progitec S.r.l.

14. *Il lavoro del futuro nella città del futuro*

Armillotta G., Berardi M., Gnudi M., Lettieri F., Romano F., Randstad Research

15. *Generatori ad idrogeno: una soluzione di backup a impatto zero per i data center*

ABDESSAMAD SAIDI¹, ANDREA PIVATELLO². ¹Innio Jenbacher GmbH & CO OG - Jenbach – Austria, ²Jenbacher srl – Verona, Italy

16. *Generazione di energia basata sull'idrogeno. Una soluzione di backup a impatto zero per gli hub di Ammoniaca Verde*

ABDESSAMAD SAIDI¹, ANDREA PIVATELLO². ¹Innio Jenbacher GmbH & CO OG - Jenbach – Austria, ²Jenbacher srl – Verona, Italy

17. *Slow Fiber*

Dario Casalini, President and Founder of Slow Fiber network

18. *Il festival art for earth per una smart e green community*

Marinella Montanari. Affiliata con Jobel APS e Jobel North America

19. *BeeGreen: Innovazione e sostenibilità per le aziende di produzione*

Giosef Perricci, UPNOVA GROUP SRL

WEDNESDAY 6
NOVEMBER

10:00 -
13:00

Ravezzi 2 South
Hall

**Resource
efficiency and
Circular
Economy**
Onsite event
[Click here](#)

Next Generation EU and Circular Economy

Language: Italian

organized by Ecomondo STC & ISPRA (Italian Institute for Environmental Protection and Research), Italian Ministry of Environment and Energy Security

The National Recovery and Resilience Program (PNRR) dedicates 2.1 billion euros to improving the efficient and sustainable management of waste and for the development of innovative technologies to boost the circular economy on a national scale, with the aim of bridging the structural gaps that, especially in the centre-south, are the real obstacle to the development of integrated management. The PNRR is first and foremost a plan by objectives, and in this sense the approved reforms (National Strategy for the Circular Economy and National Waste Management Programme) are fundamental programmatic tools for public and private operators. Italy has been able to respond with a large number of projects submitted by both the public and the tried and tested sector. 2024 is a key year in the implementation of the investments and reforms of the PNRR.

This conference will be an opportunity to analyze the progress made and any critical issues that have emerged through discussions between institutions and operators.

Session Chair

Valeria Frittelloni, Head of Department of Environmental Assessment, Monitoring and Sustainability, ISPRA

Programme

Laura D'Aprile, Head of the Sustainable Development Department of the Italian Ministry of the Environment and Energy Security
 Maria Siclari, General Director of ISPRA
 Filippo Brandolini, President of Utilitalia
 Representative of Italian Regions
 Marco Ravazzolo, Environment, Energy and Mobility Policy Director of Confindustria
 Representative of ANCI (National Association of Italian Municipalities)
 Ignazio Capuano, President of CONAI

WEDNESDAY 6
NOVEMBER

10:00 -
13:00

Diotallevi Room
South Hall

**Resource
efficiency and
Circular
Economy**
Onsite event
[Click here](#)

Municipal Textile Waste: collection, reuse and recycling. Where do we stand?

Language: Italian

organized by Ecomondo STC & UNIRAU (Union of used clothing collection, recycling and reuse companies)

The EU Strategy for Sustainable and Circular Textiles, published in March 2022, addresses the issues of textile production, consumption and post-consumption in the context of the Circular Economy Action Plan and the European Industrial Strategy.

Textile products are very present in daily life and urgent action is needed as their impact on the environment continues to grow and represents the fourth highest impact on the environment and climate change, with high consumption of water, soil, primary raw materials and greenhouse gas emissions.

The Commission's 2030 vision for the textile sector is based on durable, repairable and recyclable textiles, with recycled fibre content, free of hazardous substances, produced in compliance with social and environmental rights and certified by the introduction of the 'digital passport'.

The European Institution are also working on harmonized rules for EPR schemes to be implemented in all Member States to improve separate collection and incentivise circular business models that facilitate reuse, repair and recycling.

Session Chair

Andrea Fluttero, Unirau Assoambiente

Programme

Municipalities and collection cooperatives

Comparison of different types of collection (on the road, door-to-door, selective)

Franco Bonesso, Anci - National Association of Italian Municipalities (TBC)

Karina Bolin, Humana, people to people (TBC)

Selection companies

Giuseppe Valletti, Ariu - Used Garment Recoverers Association (TBC)

Carmine Esposito, Unirau - Union of used clothing collection, recycling and reuse companies (TBC)

Overall production of textile waste and Ecodesign

They are essential to make the sector more circular. What is the state of the legislation?

Representative of JRC Directorate General of the European Commission (TBC)

Blockchain and digital passport in the textile sector

State of the art and focusing on the experience of a start-up

Stefano Sana, Bcode (TBC)

Recycling technologies

Technological burdens and REACH compliance issues for fiber-to-fiber textile recycling

Andrea Falchini, Next Technology Prato (TBC)

Updates to the regulatory framework

Silvia Grandi, General Director of Italian Ministry of Environment and Energy Security (TBC)

WEDNESDAY 6

NOVEMBER

10:00 -

13:00

Ravezzi 1 Room
South Hall**Circular and
Regenerative
Bioeconomy**

Onsite event

[Click here](#)

Drivers for a stronger and more competitive agrifood supply chain: tradition, innovation, circularity and energy transition

Language: Italian

organized by Ecomondo STC & Confagricoltura (General Confederation of Italian Agriculture), Federalimentare (The Italian Food & Drink Industry Federation), ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development)

The current political and economic context is changing swiftly, having an impact on the economic, social, and environmental dimensions of sustainability. In fact, the expenses food & beverage companies have to cover are rising as a result of global tensions, despite the fact that the marketplaces in which they compete and the regulations that should be followed are getting stricter. It is also essential to take into account the various obstacles that farmers face due to the effects of climate change, such as rising temperatures, drained soils, and limited water supplies, as well as the need to ensure higher production in light of the projected 10 billion people on the planet by the year 2050.

Supporting the ecological transition of the agrifood supply chain and enhancing the commitment and investments of companies is becoming a priority. In order to do this, a discussion about the levers required to maintain competitiveness in the altered geopolitical and economic environments in which the supply chain has to function must be held in conjunction with the 'green' topic. A debate in which the various useful tools that can be used by companies will be analysed, but also the regulatory criticalities that should be overcome as well as existing good practices to be disseminated and replicated, innovations and new technological opportunities.

In this scenario, today, thanks to the development of technology, the agri-food chain can have drivers (genetic engineering - conventional breeding and biotechnology - agriculture 5.0 -sensors and drones -, digitisation, circular supply chains, photovoltaics, agri-voltaics and biogas, ecc.) that allow companies to be competitive on the market.

The event will be an important opportunity to evaluate the possible scenarios that may occur and the future policies, in order to understand if these will be able to adequately support the actors of the agro-food chain. The debate will involve major players from European institutions, national bodies, representatives of the agri-food chain, research and academia.

Session Chair

Maurizio Notarfonso, ENEA

Programme

10.00-10.20 **Session I***Introduction: Focus on drivers and upcoming scenarios*

Massimo Iannetta, ENEA

10.20-11.30 Session II*The potential of circular agriculture to increase the value of leftovers*

Paolo Sckokai, Catholic University of the Sacred Heart of Piacenza

Sustainable supply chains

Emanuele Blasi, University of Tuscia - Mediterranea

Genetic improvement

Luigi Cattivelli, CREA

The digital evolution

Chiara Corbo, Osservatorio Smart Agrifood

11.30-12.30 Session III*Introduction*

David Bolzonella, University of Verona

Business case studies

12.30 Round Table

Massimiliano Giansanti, Confagricoltura

Paolo Mascarino, Federalimentare

Elena Sgaravatti, Assobiotec

Representative of European Commission

WEDNESDAY 6

NOVEMBER

10:00 -

13:00

Agorà Ariminum –
Circular Economy
Area D1 pav.**Resource
efficiency and
Circular
Economy***Onsite event*[Click here](#)**Advanced experiences on circular economy in the construction sector**

Language: Italian

organized by Ecomondo STC & Green Building Council Italy, Marche Polytechnic University

Circular economy is in general defined as the ability to recycle the material from which movable and immovable goods are made in order to produce new ones. In reality, the circular economy is a model of production and consumption that involves sharing, lending, reusing, repairing, reconditioning and recycling existing materials and products with the aim of extending their useful life as long as possible. The synergy between all these areas and skills is essential to achieve the goal of truly circular construction. In a mature Circular Economy model, the materials with which a good is made are reintroduced, where possible, into the economic cycle only after the good or its functional parts have finished their function.

The meeting will open a window on these issues in the construction industry by addressing with examples the different levels of circularity applied at the building and urban scale. Innovative and multidisciplinary projects will be presented. The final round table will stimulate the debate on the perspectives and roles of the different categories of stakeholders.

Session Chairs

Marco Caffi, Green Building Council Italia
 Gian Marco, Revel, Università Politecnica delle Marche

Programme

10.00 Introduction by the Chairs

10.10-10.30 *Level(S) and circularity in construction*

Josefina Lingdom, DG ENV European Commission

10.30-10.50 *The new PPP on Advanced Materials (I'M4EU) and the impact on Circular Economy in Constructions*

Representative of European Commission

10.50-11.10 *The national strategy for the circular economy*

Silvia Grandi, Italian Ministry of Environment and Energy Security

11.10-11.20 *Bio-based materials and circularity*

Diego Mingarelli, Diasen

11.20-11.30 *From waste to product: building products from recycled materials*

Representative of Knauf or Saint Gobain or Interface

11.30-11.40 *Circular construction sites*

Andrea Vecchi, REDO

11.40-11.50 *Circular projects*

Paolo Crseci, ARUP

11.50-12.00 *The Horizon Europe Project "Reconstruct - Developing circular, eco-friendly, and innovative solutions to reduce emissions from the construction industry"*

Gloria Cosoli, Marche Polytechnic University

12.00-12.30 *Round Table*

Fabrizio Capaccioli, GBC Italy

Roberto Morabito, ICESP

Representative of OICE

Valerio Barberis, Municipality of Prato

12.30 Discussion and closure by the Chairs

WEDNESDAY 6
NOVEMBER

10:00 -
13:00

Tulipano Room B6
pav.

**Environmental
Monitoring and
Earth
Observation**

Onsite event

[Click here](#)

National HIA Guidelines: application experiences of proposers and evaluators

Language: Italian

organized by Ecomondo STC & National Institute of Health, ISPRA (Italian Institute for Environmental Protection and Research)

with speeches and posters from the Call for Papers 2024

The workshop aims to illustrate the application experiences of the National VIS LGs developed by ISS in the context of the EIA procedure of works under state jurisdiction, in particular large combustion plants. This day in particular aims to describe the development and analysis of the HIA study from the point of view of the Proponent and the Evaluator for certain works such as regasification plans, biorefineries and thermal power plants. Discussions between Proponents and Evaluators allow the identification of the most suitable development solutions to safeguard the health of the populations of the territories concerned.

Session Chairs

Eleonora Beccaloni, National Institute of Health
Gianluigi de Gennaro, University of Bari

Programme

10.00 Introduction by the Chairs

Application experiences of National HIA Guidelines

Eleonora Beccaloni, National Institute of Health

Mariachiara Zanetti, Polytechnic University of Turin

Application experience of the Proponent National HIA Guidelines - 1

Speaker, Affiliation

Application experience of the Proponent National HIA Guidelines - 2

Speaker, Affiliation

Speeches selected from the Call for Papers

Discussion and closure by the Chairs

WEDNESDAY 6
NOVEMBER

10:00 -
13:30

Agorà Flaminia –
Sites & Soil
Restoration Area
C1 pav.

**Sites & Soil
Maintenance
and Restoration**
Onsite event
[Click here](#)

A new planning approach in Emilia Romagna Region after the flood event

Language: Italian

organized by Ecomondo STC & Emilia-Romagna Region, Po River Basin Authority

The workshop will focus on reconstruction plan after the flooding event in Emilia-Romagna Region in 2023. A new approach has been planned to obtain more secure and resilient territories. Different studies show the possibility to diminish the risk. In the workshop we will discuss how to make a territory more resilient and improve the security of citizenship.

Session Chairs

Alessandro Bratti, Po River Basin Authority
Irene Priolo, Vice President of Emilia-Romagna Region

Programme

10.00-10.30 *Introduction*

Gen. Francesco Paolo Figliuolo, Commissioner
Irene Priolo, Vice President of Emilia-Romagna Region

10.30-10.45 *The special Scientific Commission post-event: the results*

Armando Brath, University of Bologna (TBC)

10.45-11.10 *The special Plan for reconstruction*

Andrea Colombo, Po River Basin Authority
Monica Guida, Emilia-Romagna Region

11.10-11.25 *The role of Emilia-Romagna Region*

Paolo Ferrecchi, Emilia-Romagna Region

11.25-11.40 *The role of Regional Civil Protection Agency*

Rita Nicolini, Emilia-Romagna Regional Civil Protection Agency (TBC)

11.40-11.55 *The role of Reclamation Consortia in managing extreme events*

Representative of ANBI (National Association of Land Reclamation and Irrigation Consortia) (TBC)

11.55-12.15 *Landslides in the area*

Matteo Berti, University of Bologna
Alessandro Corsini, University of Modena and Reggio-Emilia

12.15-12.30 *Forest Planning to prevent landslides and flooding events*

Representatives of ISPRA and Emilia-Romagna Region (TBC)

12.30-12.50 *The planning work*

Representatives of Hydrogeo and Enser (TBC)

12-50-13.30 Discussion and Closure by the Chairs

WEDNESDAY 6
NOVEMBER

10:00 -
17:00

Agorà Tiberio –
Water Cycle Area
D8 pav.

**Water cycle and
Blue Economy**
Onsite event
[Click here](#)

Plans, strategies and solutions to implement the new Urban Waste Water Directive and address the challenges of the new Sludge Directive: European and Italian case studies

Language: Italian

organized by Ecomondo STC & Water Research Insititute (IRSA-CNR National Research Council), University of Brescia, UTILITALIA (Italian federation of energy, water and environmental services), SNPA/ISPRA (Italian Institute for Environmental Protection)

with speeches and posters from the Call for Papers 2024

CALL FOR PAPERS

The new Urban Wastewater Treatment Directive paves the way towards a smart, green, and circular wastewater management taking into account new sources of urban pollution, becoming more and more prevalent (such as smaller cities, decentralised facilities or storm waters), as well as new emerging pollutants including microplastics and micropollutants. In addition, it will drive the wastewater sector towards energy and climate neutrality, contributing to circular economy by improving the quality of sludge and treated wastewater, allowing for more reuse in agriculture and ensuring that valuable resources are not lost. When doing so, the Member States are expected to comply also with the Sewage Sludge Directive, waiting for an imminent revision. The conference intends to give a contribution in shaping the picture of what is already under way in these areas and with what perspectives and technical solutions. The shift to circularity and zero pollution requires a complex combination of appropriate regulatory framework, new technologies, and effective coordination between different sectors and stakeholders, here represented.

Session Chairs

Camilla Braguglia, IRSA-CNR

Giorgio Bertanza, University of Brescia

Tania Tellini, UTILITALIA

Giuseppe Bortone, ASSOARPA (National Association of Regional Environmental Protection Agencies)

Programme

10.00-10.10 Introduction of the morning session by the Chairs

10.10-10.30 *The italian roadmap for UWWTD transposition*

Representative of Italian Ministry of Environment and Energy Security (TBC)

10.30-10.50 *Solutions for micropollutants removal and wastewater treatment plants upgrade-the swiss experience*

Representative of VSA, Vongunten EAWAG (TBD)

10.50-11.20 *Risks and opportunities for operators and stakeholders along this transformation journey* (UTILITALIA, utilities)

11.20-11.35 *Reuse and/or discharge: case studies in the new European framework*
Representatives of Marche Polytechnic University, Po River Basin Authority, utilities (TBD)

11.20-13.20 **Speeches selected from the Call for Papers on urban wastewater (treatment, monitoring, case studies, wwtp upgrade)**

Break for lunch

14.20-14.30 Introduction of the afternoon session by the Chairs

14.30-14.50 *Unlock the potential of the sewage sludge directive*
Representative of Water Europe, Utilitalia

14.50-15.10 *Sludge recovery in agriculture: environment and health protection*
Representative of University of Brescia

15.10-15.30 *Sludge management and integration with the cycle of waste*
Representative of ASSOARPA/ISPRA

15.30-17.00 Speeches selected from the Call for Papers on sludge treatment and circular management (innovation, emerging pollutants, thermal treatments, monitoring, case studies, recovery in agriculture, bio-energy, ...)

POSTER SESSION

WEDNESDAY 6
NOVEMBER

10:00 -
17:30

Agorà Fellini –
Sites & Soil
Restoration Area
C3 pav.

**Sites & Soil
Maintenance
and Restoration**
Onsite event
[Click here](#)

Geotechnical aspects connected to the management of marine dredging sludges and to the contaminated sites remediation

Language: Italian

organized by Ecomondo Scientific Technical Committee & Italian Geotechnical Society - AGI-IGS Section

Geotechnical engineering plays a crucial role also in the management of marine dredging sludges and in contaminated sites remediation, with special reference to the characterization, design, operation and control phases. The conference will particularly highlight the design aspects and the most recent innovative methodologies and technologies connected to the management of marine dredging sludges and to the contaminated sites remediation issues.

Session Chairs

Daniele Cazzuffi, CESI SpA, Milano & President AGI-IGS
Nicola Moraci, University Mediterranea Reggio Calabria & Vice President AGI-IGS

Programme

9.30-10.00 Registration

10.00-10.15 Introduction

Daniele Cazzuffi, CESI SpA, Milano & President AGI-IGS

Nicola Moraci, University Mediterranea Reggio Calabria & Vice President AGI-IGS

SESSION 1: Geotechnical aspects connected to the management of marine dredging sludges

10.15-10.45 *Geotechnical design of land reclamation*

Quintilio Napoleoni, Università di Roma La Sapienza

10.45-11.10 *Mass stabilization for consolidating marine dredged material in land reclamation*

Enzo Rizzi, ICOP SpA, Basiliano (UD)

11.10-11.35 *Gravel columns for improvement of dredging materials*

Marco Zambernardi e Paolo Turrini, Sales SpA, Roma

11.35-12.00 *Prefabricated vertical drains for land reclamation*

Carlo Alberto Marconi, Sidra – DEME Group

12.00-12.25 *Geotextile tubes for sludge dewatering and treatment*

Matteo Mollo, Geosintex, Sandrigo (VI)

12.25-13.00 Discussion

SESSION 2: Geotechnical aspects of the contaminated sites remediation

14.15-14.45 *Reactive barriers for the remediation of contaminated groundwater: from research to applications*

Stefania Bilardi, Università Mediterranea di Reggio Calabria

14.45-15.15 *New challenges in the control of PFAS-contaminated groundwater*

Nicolò Guarena, Politecnico di Torino

15.15-15.45 *Hydraulic performance of cut-off walls in sea water and in sulphate solutions*

Jonathan Domizi, Università Politecnica delle Marche, Ancona

15.45-16.10 *Passive barriers construction by use of GFRP prestressed precast sheet piles*

Lucio Pedrocco, SigmaC SpA, Padova

16.10-16.35 *Remediation of contaminated sites by means of active capping with geosynthetics*

Alberto Simini, Huesker, Trieste

16.35-17.00 *Case study: Designing a geomembrane barrier for safe containment of wastes*

José Miguel Muñoz, Sotrafa, Almeria (Spain)

17.00-17.30 Discussion and final remarks

Daniele Cazzuffi, CESI SpA, Milano

Nicola Moraci, University Mediterranea Reggio Calabria

WEDNESDAY 6
NOVEMBER

14:00 -
16:00

Agorà Malatesta –
Environmental
Monitoring Area
D8 pav.

**Water cycle and
Blue Economy**

Onsite event

[Click here](#)

Mediterranean sea level rise, the forgotten threat

Language: English

organized by Ecomondo Scientific Technical Committee & Union for the Mediterranean

Climate change is a global challenge, but its impacts are not the same all over. The Mediterranean region is more exposed, both for climatic and socio-economic reasons, and if we don't strike now the right choices, it can collapse. The area is the second fastest warming globally, and the waters of this shared sea are the fastest warming and therefore fastest rising globally. Ensuing dramatic climate and environment disruptions are foreseen in a tale not only of severe impacts but also of fragilizing unevenness around the Mediterranean that could amplify instability, large population movements, or even conflicts. Of the many forecasted impacts sea level rise is of unprecedented magnitude as it could jeopardize the regional food security through salinization of fertile plains, together with many other severe consequences – coastal erosion, threats to heritage. But of all threats it is the most neglected, almost exorcised in its magnitude: the event aims to launch necessary call for planning and action.

Session Chair

Ambassador Grammenos Mastrojeni, Senior Deputy Secretary General of the Union for the Mediterranean

Programme

Introduction

Francesco Corvaro, Italian Government's Special Climate Envoye

Set the scene: climate, the Mediterranean Hotspot

Ambassador Grammenos Mastrojeni

The science, current data and projections

Representatives of IPCC – probably the Vice President, MeDECC, Copernicus ECWMF

Current and projected economic impacts: urban, agriculture and salinisation, erosion, tourism etc.

Representatives of Euro Mediterranean Economists Association

It is now and real – the cases of the Nile Delt, of the Islands and of Venice

Representatives to be defined

Security and geostrategic risks – the threat from the Nile Delta

Representatives of UfM – ECCO

Adaptation and resilience: infrastructure or nature-based approaches?

Representatives of UNFCCC, CIHEAM, PRIMA

Adaptation and resilience, best practices in other regions: the mangrove alliance, the Netherlands, Vietnam?

Conclusions: an adaptation and resilience plan for the Mediterranean is urgently needed

WEDNESDAY 6
NOVEMBER

14:00 -
16:00

Diotallevi 1 Room
South Hall

**Water cycle and
Blue Economy**

Onsite event

[Click here](#)

Boosting technology, business models and societal engagement for the implementation of the EU Mission Restore our Ocean and Waters in the Mediterranean

Language: English

Simultaneous translation: Italian

organized by Ecomondo STC & BlueMissionMed CSA, European Commission, BlueMed GSOs, CNR, BusinessMed, Ecorys, FVA, Prep4Blue

After one year from the launch in Rimini of the Italian HUB, BlueMissionMed CSA brings back all the Mediterranean stakeholders engaged with the EU Mission Restore our Ocean and Waters by 2030 to the Ecomondo Exhibition.

BlueMissionMed, with all the co-organizers, embraces this opportunity to shorten the gap among innovative solutions and the business community, and, moreover, to enhance the business capacities to deploy innovative solutions. Demonstration activities for the innovative solutions, targeting different industrial sectors and covering the geographical variability of the Mediterranean, will be organized with the cooperation of the BlueMissionMed HUBs.

Transformative changes require profound societal engagement to be implemented. During the event, the winners of the Society4Med award will be presented to the whole stakeholder community to inspire similar activities across and beyond the Mediterranean basin. This award highlights the essential role of citizens and society in achieving the mission's goals, emphasizing the collective effort needed to restore our ocean and waters. By involving the public, fostering community initiatives, and promoting educational outreach, we aim to create a collaborative environment where every individual can contribute to the sustainability and health of our Mediterranean waters.

Additionally, with the help of the Business Country Desk platform, a matchmaking session will take place to connect solutions and interested parties to business experts and investors. The networking also allows participants to connect with the winners of the Society4Med award, aiming to inspire and encourage participation in future actions, fostering a collaborative environment for ongoing societal and environmental impact.

Session Chairs

Fedra Francocci, CNR - BlueMissionMed CSA

Susanna Albertini, FVA – BlueMissionMed CSA

Programme

14.00-14.05 Introduction by the BlueMissionMed CSA Coordinator prof. Fabio Fava

14.05-14.15 Keynote speech from the EU Mission Restore our Ocean and Waters (EC) DG RTD

14.15-14.25 Keynote speech from the EU Mission Restore our Ocean and Waters (EC) DG Mare

14.25-15.20 *Demonstration of innovative solutions for the Mediterranean community of actors for the Mission*

Pitch from selected solutions identified in cooperation with the 7 BlueMissionMed National Hubs (North-South Med).

15.20-15.50 Society4Med: award to celebrate the best initiatives involving citizens in transformative actions implementing solutions to reduce and prevent pollution from ocean and waters.

3 Inspirational case studies (WWF Med, La Saison Bleue, Prep4Blue)
 "Society4Med" awarding ceremony
 "Society4Med" winners pitching sessions

15.50-16.00 Q&A session and conclusion by the Chairs

WEDNESDAY 6
NOVEMBER

14:00 -
16:30

Diotallevi 2 Room
South Hall

**Resource
efficiency and
Circular
Economy**
Onsite event
[Click here](#)

Implementing EU legislation - How to increase circularity in the building sector

Language: English
 Simultaneous translation: Italian

organized by Ecomondo Technical Scientific Committee, EURIC and ANPAR/ASSOAMBIENTE

The construction sector in the EU generates the largest volumes of waste and represents around 12% of EU GHG emissions at the same time. Nonetheless, it lags behind in the development of a circular economy, which in some Member States is struggling to take off due to the difficulty for recycled aggregates to find a market. In this context, European legislation can be a key driver for increasing circularity in the European construction sector. The revision of the EU Construction Products Regulation entailed new approaches on environmental requirements construction products that still need to be defined. Green Public procurement provisions can be a very useful leverage for increasing recycling of construction and demolition waste (C&D waste). Can specific targets for recycling of C&D waste under the Waste Framework Directive also increase circularity of materials in the EU? This seminar will look into different legislative tools for driving circularity in the construction sector, involving the whole value chain.

Session Chair

Pär LARSHANS, President of EuRIC's Construction & Demolition Waste Recycling Branch (ECDB)

Programme

14.00-14.10 *Opening & welcoming*

Pär LARSHANS, President of EuRIC's Construction & Demolition Waste Recycling Branch (ECDB)

14.10-14.30 *Keynote speech: "Waste management and secondary material"*
 Mattia Pellegrini - DG Env Commissione Europea - B3 (TBC)

14.30-15.30 **Panel discussion EU tools to increase circularity in the construction sector**

Moderated by:

Antoine Stilo, Technical Secretary Euric C&D Branch

Participants:

Representative of DG GROW (TBC)

Dirk FINCKE, Secretary General UEPG/Aggregates Europe (TBC)

Real estate sector representative (TBC)

Pär LARSHANS, , President of EuRIC's Construction & Demolition Waste Recycling Branch (ECDB), Chief Sustainability Officer at RagnSells

15.30-16.20 **Panel discussion 2: Selective demolition and the new recovery targets for the different C&D waste streams**

Moderated by:

Julia Blees, General Secretary Euric

Participants:

Philip VAN NIEUWENHUIZEN, President of the European Builders Association (TBC)

Stefano PANSERI, European Demolition Association (EDA) (TBC)

Francesco Onori, Cavart SpA

Giorgio BRESSI, Vice-President of ECDB, Technical Director at ANPAR

16.20-16.30 *Conclusions*

WEDNESDAY 6
NOVEMBER

14:00 -
16:30

Tulipano Room B6
pav.

**Circular and
Regenerative
Bioeconomy**

Onsite event

[Click here](#)

An innovative approach for the transition to sustainability in the “climate” changing era for a more resilient agrifood system

Language: Italian

organized by Ecomondo STC & National Agrifood Cluster CL.A.N.

Cluster CL.A.N., in collaboration with the Technical-Scientific Committee (TSC) of Ecomondo, organises an event dedicated to the innovations adopted by the Italian agrifood system to face the sustainable transition, considering various aspects related to change of climate and new global scenarios.

The agrifood system is completely aware of the importance of a holistic approach (involving several actors and stakeholders) to set up innovative and tailored tools able to use agricultural resources in all their utility components, and, in compliance with health and environmental protection regulations, it creates a virtuous circle functional to the implementation of the circular economy concept that is the focus of current European policies and regulations. The event will provide an opportunity for Cluster Members and stakeholders to discuss the critical issues related to the current historical phase, highlighting the development strategies adopted by companies in the sector and the potential of the country's research excellence.

Session Chair

Daniele Rossi, Vicepresident of CL.A.N.

Programme

14.00-14.15 *Welcome and introduction*

Daniele Rossi, Vicepresident of CL.A.N. and V.Chair Copa-Cogeca WP R&I

14.15-14.30 *Key note speech - How new global scenarios influence the food sector*

Jacques Trienekens, Wageningen University (TBC)

14.30-14.45 *Key note speech - How climate change impacts the food sector*

Riccardo Valentini, University of Tuscia (TBC)

14.45-15.00 *The Cluster agrifood Roadmap to 2027 and the sustainability challenges*

Massimo Iannetta, Board CL.A.N., ENEA Head of Department

Roundtable sessions

15.00-16.30

Innovation, sustainability and circular bioeconomy in the climate agenda of agrifood companies: case histories

Giovanni Gioia, Az. Agr. Kibbò, Chair Young Entrepr. Confagricoltura - ANGA (TBC)

Andrea Minisci, Quality manager Valle Fiorita S.r.L.

R&I in biotechnology as a tool to counteract climate change and support the transition to more sustainable processes

Silvio Salvi, University of Bologna

Mario Pezzotti, University of Verona

Regional policies and innovation actions to respond to climate change and to new global scenarios

Claudio Filipuzzi, Past President Fondazione Agrifood & Bioeconomy Friuli Venezia Giulia

Francesco Cellini, Director Agenzia Lucana di Sviluppo e di Innovazione in Agricoltura Basilicata

16.30 *Discussion and closure by the Chair*

WEDNESDAY 6
NOVEMBER

14:00 -
16:30

Area Forum CIB

**Agroecology and
Bioenergy**

Onsite event

[Click here](#)

Carbon credits and agriculture: the contribution of bioenergy to CO2 reduction

Language: Italian

organized by Ecomondo STC & CIB-Consortio Italiano Biogas

Carbon market can play a key role for farmers and it is an important issue for the daily debate to achieve climate targets. There is no doubt that agriculture represents a particular scenario because it produces emissions (like all productive sectors) but it is also actively involved in order to absorb carbon and decrease the CO₂ capacity in the atmosphere, also offering a significant contribution against climate change by improving soil quality and fertility. In this context, anaerobic digestion can be one of the technological solutions that have the potential to reduce emissions. The purpose of the conference is to offer an in-depth look at the topic of the carbon market and answer questions and requests from the sector, proposing virtuous behaviour and best practices.

Session Chairs

Representatives of CIB

Representatives of Coldiretti (Federation of Italian Farmers)

Representative of Confagricoltura (General Confederation of Italian Agriculture)

Programme

14.00 Introduction

Fabio Fava, President of Ecomondo Scientific Technical Committee

Piero Gattoni, President of Consorzio Italiano Biogas (CIB)

14.15 *The potential of agriculture in carbon removal*

Representative of University

14.30 *The carbon footprint of biogas/biomethane*

Lorella Rossi, CIB

14.45 *The italian position on credit carbon removal policy in the framework of the European Legislation*

Representative of Italian Ministry of Agriculture, Food Sovereignty and Forests

15.00 *Carbon farming and the certification schemes*

Representative of Accredia

15.15 *Carbon Farming: the European experience and the best practice in Italy*

Giovanni Dara Guccione, CREA

15.30 The pathway to credit carbon recognition starts from farmers

Dialogue between Presidents CIA, Coldiretti - Confagricoltura

16.00 Q&A and closure by the Chairs

WEDNESDAY 6
NOVEMBER

14:00 -
17:00

Agorà Augusto –
Bioeconomy Area
D2 pav.

**Circular and
Regenerative
Bioeconomy**

Onsite event

[Click here](#)

Biowaste: XXVI Conference on Composting and Anaerobic Digestion. Technical session

Language: Italian

organized by Ecomondo STC & CIC (Italian Composting Consortium)

with speeches and posters from the Call for Papers 2024

The session will give space to projects and experiences relating to the recycling of organic waste, ranging from the input materials, their recycling processes and the valorisation of the obtainable products: organic fertilizers (soil improvers and fertilizers) useful for maintaining the organic fertility of the soil, biogas and its exploitation, and green chemical products that can be used in several industrial applications.

** Draft programme under definition*

WEDNESDAY 6
NOVEMBER

14:00 -
17:00

Noce Room A6
Pav.

**Policies and
regulatory
frameworks**

Onsite event

[Click here](#)

The european regulation on transboundary movement of waste - the new operational changes

Language: Italian

organized by Ecomondo Scientific Technical Committee & ASSOAMBIENTE (National Association of Environmental Services Companies and Circular Economy)

Last April, the new Waste Shipment Regulation (EU) 2024/1157 was published, replacing the old Waste shipment Regulation. The aim of the new Regulation, the main provisions of which will enter into force from May 2026, is to reduce waste shipments to countries outside the EU, to update shipment procedures to make them consistent with the objectives of the circular economy and climate neutrality, to simplify intra-EU shipment by, among other things, using electronic transmission and exchange of information, and to combat illegal shipments.

The measures contained in the regulation, despite the transitional period, will have a significant impact on the operations of companies that, until now, have been able to rely on a global market for the management of materials/waste resulting from waste treatment. The conference aims to bring together decision-makers, who will be involved in the definition of all the legislative acts required by the new Regulation, and business representatives in order to provide an opportunity to hear their respective points of view.

Session Chair

Elisabetta Perrotta, Director of ASSOAMBIENTE

Programme

Mattia Pellegrini - DG Env European Commission (TBC)
 Paolo Campanella, Director FEAD - European Waste Management Association
 Claudio Oliviero, General Directorate of Customs
 Giuseppe Piardi, STENA Recycling
 Diego Siragna, Settentrionale Trasporti

Discussion and closure by the Chairs

WEDNESDAY 6
 NOVEMBER

14:00 -
 17:30

Agorà Ariminum –
 Circular Economy
 Area D1 pav.

**Resource
 efficiency and
 Circular
 Economy**
Onsite event
[Click here](#)

The sustainability of the Italian mechanical recycling industry of metal, plastic and paper waste in front of new protectionisms and the challenges of international markets

Language: Italian

organized by Ecomondo STC & UNIRIMA (National Union of Pulp Recovery and Recycling Enterprises), ASSORIMAP (Association of Recyclers and Regenerators of Plastic Materials), ASSOFERMET (National association of recycling of ferrous and non-ferrous metals)

ASSOFERMET, ASSORIMAP and UNIRIMA are the three national Associations of recycling of ferrous and non-ferrous metals, plastic and paper, each one representative of a specific and functional sector of material recovery. Their member companies, keeping increasingly specialized activity, actualize the principles of circular economy, essential for the achievement of the ambitious objectives set at EU level.

Despite the strategic role for the promotion of environmental sustainability, these recovery facilities are now facing more and more complex challenges, set up by an environmental policy based on new generation protectionist measures, which prohibit or make the export of non-hazardous waste, already subjected to treatments within the EU, difficult and articulated.

Only a strategy of self-sustainability, realized in such a way as to fully replace raw materials in industrial processes with materials from recovery, will give full recognition to “urban mining”. This can only be achieved if the European industrial production system shall be technologically modernized in order to use massively materials from recovery instead of raw materials.

Forcing a market, severely limiting its autonomy based on the balance between supply and demand, discouraging exports, will create strong imbalances and a weakening of the recovery sector, in which Italy is a leading country.

The recovery sector, on the other hand, needs tools that allow the recovered material to be fully placed in internal industrial processes: in this way, the market will autonomously redefine the export dynamics

Session Chair

Silvia Serranti, Full Professor at the Department of Chemical Engineering, Materials & Environment, Faculty of Civil and Industrial Engineering, University of Rome “La Sapienza”

Programme

14.00 Introduction by Silvia Serranti

Institutional greetings

Senator Silvia Fregolent, Member of the 8th Senate Committee (Environment, Ecological Transition, Energy, Public Works, Communications, Technological Innovation)

Panelists:

Recycling chains: industrial development and sustainability to win the European challenge of circularity

UNIRIMA

Brief introduction by Francesco Sicilia (General Manager)
Fabio Primiani, AVR Spa

ASSOFERMET

Brief introduction by Giovanni Tapetto (Environmental jurist)
Vincenzo Formisano, Formisano Ferro srl

ASSORIMAP

Brief introduction by Walter Regis (President)
Paolo Glerean, Aliplast Spa

17.00 Conclusions

WEDNESDAY 6
NOVEMBER

14:00 -
18:00

Neri 2 Room
South Hall

**Policies and
regulatory
frameworks**

Onsite event
[Click here](#)

Technical seminar: Waste management and new regulatory changes 2024

Language: Italian

organized by Ecomondo STC & RETE AMBIENTE, Magazine "Rifiuti - Bollettino di informazione normativa"

Once again this year, the Magazine "Rifiuti-Bollettino di informazione normativa" will offer the long-awaited and usual overview of the most important legislative and regulatory changes that, during 2024, have been incorporated into a challenging operational reference scenario. Nevertheless, the explanation of what is new, even during this edition of Ecomondo, does not preclude an in-depth analysis of topics that, while not recent, have reached a certain degree of complexity of application over the years.

Session Chairs

Paola Ficco, Lawyer - Jurist in Environmental Law – Editor in Chief of the Magazine "Rifiuti - Bollettino di informazione normativa"

Programme

14.00 Participants' Accreditation and Beginning of the Work

14.30 *Waste management in the circular economy perspective and the Ministry's ongoing activities*

Luca Proietti, General Director of Circular Economy at the Ministry of Environment and Energy Security

14.50 *End of waste of construction and demolition waste. The new decree*

Paolo Barberi, President of ANPAR

15.10 *Material circularity and the new UNI method*

Andrea Sconocchia, Regional Environmental Protection Agency (Arpa) Umbria

15.30 *Excavated soils and rocks between established regulations and upcoming changes*

Loredana Musmeci, Chemist

15.50 *The direct recovery, the alternative to the End of Waste*

Paola Ficco, Lawyer, Jurist in Environmental Law – Editor in Chief of the Magazine "Rifiuti - Bollettino di informazione normativa"

16.10 *Rentri, taking stock*

Daniele Gizzi, President of the National Register of Environmental Operators

16.30 *Rentri and the registration process*

Daniele Bagon, Secretary of the Liguria chapter of the National Register of Environmental Operators

16.50 *Acquisto di un fondo contaminato: quali responsabilità?*

Emanuele Quadraccia, Judge of the Military Court of Rome

17.10 *Controls on waste management*

Gen. D. Fernando Nazzaro, Commander of the Carabinieri for Environmental Protection and Energy Security (TBC)

17.30 *Conclusions*

Pasquale Fimiani, Attorney General at the Supreme Court of Cassation

WEDNESDAY 6
NOVEMBER

14:00 -
18:00

Mimosa Room B6
pav.

**Circular and
Regenerative
Bioeconomy**
Onsite event
[Click here](#)

Bio-based industry as a boost for sustainable primary production in rural regions: a journey across the Mediterranean basin

Language: English

organized by Ecomondo STC & Italian Circular Bioeconomy Cluster SPRING

Scientific research and breakthrough biotechnological innovations offer solutions that create new synergies between the bio-based industry and the agri-food sector. These alliances go beyond the consolidated paradigm of expanding the use of agricultural, forest and marine biomass, which often raises concerns about possible competition between food security and industrial productivity. Rather, the bio-based industry can provide solutions to reduce the environmental impact of outdated and polluting agricultural practices, improve the safety of work activities, enable the production of healthier food, and promote the regeneration of degraded soils. At the same time, the biodiversity of land and sea can be preserved. The wider area encompassing southern Europe and the Mediterranean basin can greatly benefit from the innovations of the bio-based industry, which can mitigate the obvious consequences of overpopulation and climate change. Moreover, the experience gained in the implementation of the bio-economy and the bio-based industry in the Mediterranean basin can be a model for solving similar urgencies in other geographical areas of the world.

Programme

Session 1: Bioeconomy in the global scenario: the opportunities offered by sustainable bio-based economy transition

Chair:

Lucia Gardossi, University of Trieste, board SPRING

Sustainable and circular bioeconomy for food systems transformation

Marta Gomez Sanjuan, FAO (TBC)

A global landscaper for sustainable bioeconomy implementation

Jim Philp, OECD (TBC)

The G20 Global Land Initiative

Speaker (TBD)

The Bioeconomy initiative within the G7 Italian presidency

Speaker (TBD)

Exploring new visions for a sustainable bioeconomy

Sarah Mubareka, JRC (TBC)

Discussion

Session 2: Multi-actor implementation of Bioeconomy in the Mediterranean basin and beyond

Chair: Mario Bonaccorso, Director Cluster SPRING

The contribution of CBE JU

Virginia Puzzolo, CBE Joint Unter (TBC)

The Biomodel4Regions EU project

Speaker (TBD)

The BioInSouth EU project

Speaker (TBD)

Biobased innovation for sustainable agriculture and soil regeneration, European Bio-based Industries Consortium (BIC)

Speaker (TBD)

Research and Innovation for more sustainable management of water and agri-food systems in the Mediterranean basin. Italian Technology Cluster for Blue Growth "BIG"

Speaker (TBD)

Closure by the Chairs

THURSDAY 7 NOVEMBER

THURSDAY 7
NOVEMBER

10:00 -
12:30

Noce Room A6
Pav.

**Resource
efficiency and
Circular
Economy**
Onsite event
[Click here](#)

The new opportunities for polyurethane recycling

Language: Italian

**organized by Ecomondo STC & CETMA Research and Technology
organisation, ERION**

Polyurethane, especially in rigid or flexible foam form, is widely used in various sectors (construction, electronics, furniture packaging, industry). Critical issues related to its disposal may call into question its widespread use in future years. The conference aims to promote a virtuous comparison between the players in the supply chain, providing useful information to promote alternative solutions to landfilling.

In particular, an effective mechanical recycling process will be presented, among others.

Session Chair

Alessandro Marseglia, CETMA Research and Technology organisation

Programme

10.15 Greetings and Introduction by the Session Chair

Analysis of regulations

Daniele Bonato, ERION (TBC)

Management of PU from WEEE

Luca Gentilini, COBAT

Post-consumer mattress management

Serena Ceccarelli, Gruppo HERA (TBC)

Up-cycling of manufacturing by-products

Speaker (TBD)

High-value recycled PU

Antonella Tarzia, CETMA

Innovative PU recycling equipment

Luca Querci, CORMATEX

Recycling PU requirements for high-performance panels

Rocco Traini, ISOPAN (TBC)

12.15 Closure by the Chair

THURSDAY 7
NOVEMBER

10:00 -
13:00

Agorà Fellini –
Sites & Soil
Restoration Area
C3 pav.

**Resource
efficiency and
Circular
Economy**
Onsite event
[Click here](#)

The new End-of-Waste regulation on C&D waste

Language: Italian

organized by Ecomondo Scientific Technical Committee & ASSOAMBIENTE-ANPAR (National Association of Recycled Aggregates Producers)

The new revision of the End of Waste Regulation for inert waste from construction and demolition activities and other inert waste of mineral origin, which repeals and replaces the current DM 152/22 and will effectively enter into force in 2025, will introduce important novelties in the C&D waste recovery sector. Operators have been waiting for a long time for the resolution of at least some of the operational issues (the way recycled materials are stored, the management of small quantities of asbestos cement fragments in aggregates) that they have to face on a daily basis and which they hoped would find an answer in the End of Waste Regulation published in 2022 and corrected this year, but this has not been the case. Against some significant improvements (e.g. the limits on eluate for sulphates and chlorides and the introduction of the technical standards of compliance and suitability), environmental tests were also introduced on the solid aggregate matrix, which could create barriers to the recovery of C&D waste and/or limit its uses and market. Now the operators are relying on the monitoring period to improve the situation that has arisen and that needs to continue the fruitful discussion with the Ministry for the Environment and Energy Security and its technical bodies, which started when the first changes were needed.

The seminar is intended to encourage discussion between the authorities and the entire recovery chain in order to accelerate the application of the circular economy in the construction sector.

Session Chair

Paolo Barberi, ANPAR (National Association of Recycled Aggregates Producers)

Programme

10.30-10.40 *Seminar presentation*

Paolo Barberi, ANPAR (National Association of Recycled Aggregates Producers)

10.40-11.00 *The revision of European standards pertaining to the C&D waste recovery sector*

Mattia Pellegrini, DG Env Commissione Europea - B3 "Waste management and secondary material"

11.00-11.20 *Existing End of Waste Regulations in some Member States.*

Geert Cuperus, FIR

11.20-11.40 *The Italian End of Waste Regulations: need for corrections and interpretive doubts*

Giorgio Bressi, Technical Director ANPAR - National Association of Recycled Aggregates Producers

11.40-12.45 Round table moderated by Elisabetta Perrotta, Assoambiente Director

Participants:

Vannia Gava, Vice Minister Ministry of the Environment and Energy Security
 Valeria Frittelloni, Italian Institute for Environmental Protection and Research
 Federica Scaini, Italian National Institute of Health
 Paolo Barberi, National Association of Recycled Aggregates Producers
 Stefano Panseri, Italian Association for Demolition and Circular Economy in Construction
 Sara Ricci, Italian Association of Construction Companies
 Pietro Bruni, Italian Railway Network
 Francesco Poma, Webuild
 Edoardo Zanchini, Legambiente

12.45-13.00 Conclusions

THURSDAY 7
NOVEMBER

10:00 -
13:00

Agorà Flaminia –
Sites & Soil
Restoration Area
C1 pav.

**Sites & Soil
Maintenance
and Restoration**
Onsite event
[Click here](#)

Remediation of contaminated sites: where we are? Evolution of environmental regulation and technological innovation

Language: Italian

organized by Ecomondo STC & Sapienza University of Rome, Unem (Energies for Mobility Union), Legambiente (Italian environmental association)

Some introductory reports will be provided by invitation, by the Administration or Public Institutions considering the community guidelines for the transition to the circular economy. A round table will follow with the possibility of interaction with the public.

Session Chairs

Marco Petrangeli Papini, Sapienza University of Rome
 Donatella Giacometti, Unem
 Giorgio Zampetti/Andrea Minutolo, Legambiente

Programme

10.00-10.15 Greetings and introduction by the session presidents

10.15-10.30 Institutional intervention

Representative of Italian Ministry of Environment and Energy Security
 Representative of ISPRA

10.30-10.45 University / research intervention

10.45-11.00 Trade association intervention

11.00-11.15 Intervention by the environmental association

11.30-12.50 Round table with:
 Representative of Legambiente
 Representative of trade association
 Representative of client companies
 Representative of environmental operators
 Representative of Italian Ministry of Environment and Energy Security
 Representative of ISPRA / SNPA

12.50-13.00 Conclusions

THURSDAY 7
NOVEMBER

10:00 -
13:00

Ravezzi 2 South
Hall

**Circular and
Regenerative
Bioeconomy**

Onsite event

[Click here](#)

States general for soil health – III edition: opportunities for soil regeneration and climate neutrality: carbon farming and nature-based solutions. International session

Language: English
 Simultaneous translation: Italian

organized by Ecomondo STC & European Mission A Soil Deal for Europe, Re Soil Foundation, Coldiretti (Federation of Italian Farmers), National Bioeconomy Coordination Board (NBCB)

According to the European Soil Observatory, about 60 to 70% of soils in the EU are currently likely to be affected by one or more soil degradation processes, among all by soil sealing.

Agricultural soils annually lose 7.4 million tons of CO₂ due to the too-rapid mineralization that occurs, almost unnoticed, under agricultural crops, the same soil where seventy-eight percent of soil consumption occurs. Ecosystems in the Mediterranean area are particularly vulnerable and the region itself is warming 20% faster than the global average (source: UNEP).

Unhealthy soil generates side effects and is unable to provide essential ecosystem services, such as: producing safe nutrition and food, providing biodiversity, purifying and regulating water and its cycle, ensuring adequate nutrient cycling, storing CO₂ contributing to carbon and mitigating climate, and ultimately supporting human activities as a whole.

Lately, the debate about the urgent need for soil conservation has increased at all levels in Europe, partially due to the efforts of the European Mission “A Soil Deal for Europe”. And the publication of the Soil Strategy in November 2022 launched the process to adopt a Directive on Soil Monitoring and Resilience.

The third edition of the “States General for Soil Health – opportunities for soil regeneration and climate neutrality: carbon positive actions and nature-based solutions” will take place on 7th November 2024. In the morning session, the latest European policy updates and an overview of the key elements needed to protect soil health, such as carbon farming and nature-based solutions, as well as best practices for soil regeneration on different types of soil's use will be explored and discussed. The afternoon session will offer an overview of the Italian scenario, with a focus on regenerative agriculture and on best practice of soil regeneration in the local communities.

Morning Session

Session Chairs

Arwyn Jones, JRC (TBC)

David Chiaramonti, Turin Polytechnic & Member of Re Soil Foundation Scientific Technical Committee

Programme

10.00-10.15 *Keynote*

Catia Bastioli, Novamont (TBC)

10.15-10.30 *Welcome*

Massimiliano Conti, MASE (TBC)

10.30-10.40 Introduction by the Chairs

10.40-11.30 ***European policy framework update***

10.40-10.55 *Status of EU Soil legislation on soil, carbon farming, nature-based solutions*

Panos Panagos, JRC (TBC)

10.55-11.10 *Status of Carbon removal certification framework in EU*

Valeria Forlin, DG CLIMA

11.10-11.25 *Status of the EU mission "A Soil Deal for Europe"*

Kerstin Rosenow, HOU DG AGRI (remotely)

11.30-12.05 ***Best practice for soil regeneration***

11.30-11.40 *Agricultural soil*

Speaker, LILAS4SOILS- Fostering Carbon Farming Practices through Living LABs in the Mediterranean and Southern EU for the healthy future of European SOILS (TBC)

11.40-11.50 *Urban/peri-urban soil*

Christophe Schwartz, Advisor at the French Ministry of Higher Education and Research, DESSERT project (TBC)

11.50-12.00 *Forests*

Antonio Brunori, PEFC Italy General Secretary

12.05-12.40 ***Panel: Nature-based solutions: case studies***

Moderated by:

Virginia Puzzolo, CBEJU Head of programme unit

12.15-12.25 *B-FERST-Bio-based FERTilising products as the best practice for agricultural management Sustainability*

12.25-12.35 *BeonNAT - Innovative value chains from tree & shrub species grown in marginal lands as a source of biomass for bio-based industries*

Luis Saúl Esteban Pascual, CEDER-CIEMAT – project coordinator

12.40 Q&A and Conclusions

THURSDAY 7
NOVEMBER

10:00 -
13:00

Neri 1 Room South
Hall

**Policies and
regulatory
frameworks**

Onsite event

[Click here](#)

By-products and end-of-waste, circular economy paths

Language: Italian

organized by Ecomondo STC & ISPRA (Italian Institute for Environmental Protection and Research)

The purpose of the meeting is to address the main issues relating to the application of articles 184 bis and ter of Legislative Decree No. 152/2006 by analyzing the critical issues of the four conditions provided for by the legislation. The evaluation of the four conditions relating to the end of waste, both in the definition of national decrees and in the case-by-case procedure, represents an extremely complex step from a technical and legal point of view.

The judiciary has often intervened on the application of by-product notion and on the interpretation of the four requirements referred to in the art. 184-bis. The day will encourage discussion between institutions, jurists, operators and bodies responsible for monitoring and controlling the correct management of these materials.

Session Chair

Valeria Frittelloni, Head of Department of Environmental Assessment, Monitoring and Sustainability, ISPRA

Programme

Representativo of Italian Ministry of Environment and Energy Security

Representativo of ISPRA

Representativo of National Health Institute

Rappresentante ARPA

Rappresentante Confindustria

Rappresentante Utilitalia

Rappresentante FISE Assoambiente

Rappresentante Commissione IPPC

THURSDAY 7
NOVEMBER

10:00 -
13:00

Diotallevi 1 Room
South Hall

**Resource
efficiency and
Circular
Economy**

Onsite event

[Click here](#)

Measurement and Communication of carbon footprint and carbon neutrality of business

Language: Italian

organized by Ecomondo STC & Sant'Anna School of Advanced Studies, ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development), Global Compact Network Italia

The topic of carbon footprint measurement has become increasingly important and has spread from the largest to the smallest companies, especially with the emergence of the so-called "scope 3" approach, which is considered increasingly necessary to ensure a credible commitment to decarbonization by companies, involving the supply chain and, in more advanced versions ("scope 4"), the entire value chains, to cover the entire life cycle of products and services that the organization offers in the market, including their end-of-life. The most recognized international initiatives, such as the Science Based Target, require companies to report thoroughly and comprehensively on the emissions of their supply chains. The tools for measurement are diverse, although, for obvious reasons, the life-cycle approach is emerging as the most robust, especially from the perspective extended to value chains even downstream of the production and marketing of goods and delivery of services. At the same time, mandatory legislation and voluntary standards are increasingly requesting to fully integrate the carbonisation in all management strategies. Example of this are the requirements of decarbonisation plan in different EU Directive proposal and the inclusion of decarbonisation as a key element of the ISO High Level Structure for management systems. Moreover very strong emphasis has been put by the European Union on the way in which carbon neutrality claims can be communicated on the market following strict rules.

The workshop, following the previous edition in 2023 aims to analyse the challenge of measuring CO₂eq emissions in its various dimensions, placing itself primarily from the perspective of businesses.

Session Chairs

Marco Frey, Sant'Anna School of Advanced Studies and President of Global Compact Network Italia

Claudia Brunori, ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development) - Department of Productive and Territorial Systems Sustainability

Programme

10.00-10.20 *Introduction to the evolution of mandatory legislation and voluntary standards towards an increasing role of decarbonisation*

Marco Frey, Sant'Anna School of Advanced Studies

10.00-10.20 *Addressing the challenges of a consistent carbon footprint across sectors and applications*

Representative of European Commission

Session on

The evolution of national and international initiatives related to carbon footprint measurement in the perspective extended to supply chains and value chains

10.40-11.00 *The survey and the initiatives put in place by the UN Global Compact*

Laura Capolongo, UNGCIN

11.00-11.20 *Climate Related Claims in the new European Commission Legislative initiatives*

Fabio Iraldo, Sant'Anna School of Advanced Studies

11.20-11.35 *The Italian LCA Database for Carbon Footprint measurement*
Caterina Rinaldi, ENEA

11.40-12.50 Session on

Experiences of carbon management and communication by companies

Andrea Gombach, Ricoh

Gianluca Gramegna, Head of Environment, Social & Governance, Erg

Ilaria Lenzi, San Pellegrino (TBC)

Nevio Benvenuto, Gucci (TBC)

David Brussa, Illy

Daniele Sartori, Artsana (TBC)

Silvia Scalia, GS1

12.50-13.00 Discussion and closure by the Chairs

THURSDAY 7
NOVEMBER

10:00 -
17:00

Agorà Blue
Economy B8 Pav.

**Water cycle and
Blue Economy**

Onsite event

[Click here](#)

Accelerating Blue Interregional Cooperation in the Mediterranean Basin. Sharing a common strategic vision, creating transferrable collaboration models

Language: English

Simultaneous translation: Italian

organized by Ecomondo STC & Cluster BIG Blue Italian Growth, Italian Ministry of Foreign Affairs and International Cooperation

The Mediterranean seabasin is an area with a huge potential, given its 46.000km of coastline extension, its unique marine and fish resources and emerging opportunities in several blue economy sectors. Given the existing initiatives, opportunities and priorities to ensure a sustainable blue economy it's crucial the cooperation among Mediterranean countries to boost sustainability and digitalisation, in particular with the involvement of blue economy clusters.

Throughout the morning session we will hear about the emerging clusters initiatives in the southern shore countries, and look at the various cooperation model and learn about direct experiences of clusters coming from northern and southern shore countries. In the afternoon actions towards digitalisation in the blue economy will be discussed, analysing best practice in Italy and in other European and non-European countries.

Programme

10.00-10.30 Registration

Session 1 – Internationalisation in the Mediterranean seabasin

10.30-10.50 Welcome address

Mauro Battocchi, Italian Ministry of Foreign Affairs and International Cooperation (TBC)

Alessandra Sensi, UfM (TBC)

Representative of Cluster BIG (TBC)

10.50-11.20 *Internationalisation in the Mediterranean: cooperation models in northern and southern shores towards sustainable blue economy*

Leonardo Manzari, WestMED

11.20-11.50 *Mapping cluster initiatives in the southern shore countries*

Representative of Cluster BIG

Laurence Martin, FdM (TBC)

11.50-12.20 *Piloting activities in the Southern shore: strengthening emerging maritime clusters ecosystem*

Elizabeth Domínguez Chapman, Cluster Marítimo Andaluz

Nesrine Reikia Ziad, LEANCUBATOR Algeria

Hamadi Baba Hamadi, Cluster Maritime Mauritanien

12.20-12.40 **Coffee break**

12.40-13.10 *Policy makers engagement*

A.Tiziana De Nittis, MASBBE Partnership Regione Emilia- Romagna

Ezzedine Kacem, Cluster Maritime Tunisie-CMT

Fabrizio Monticelli, ForMare (TBC)

13.10-13.40 Panel discussion: **Blue Economy priorities in northern and southern shore**

Moderator: Roberto Cimino, Cluster BIG (TBC)

Participants: all clusters representatives

13.40-14.00 **Wrap-up & Conclusions**

14.00-15.00 **Lunch break**

Session 2 – **Italian Ecosystem towards digitalisation in the blue economy: best practice sharing**

15.00-15.20 Introduction by the Chair

Emilio Campana, Cluster BIG, CTS Coordinator

15.20-15.40 **iNEST - Interconnected Nord-Est Innovation Ecosystem**

Research and technological transfer activities in the sector of maritime, marine and inland water technologies. Development of a Digital Ocean of the North Adriatic area, integrating AI, ecosystem models and observed data.

Stefano Querin, OGS & Research topic manager on Inest's North Adriatic Digital Twin

Vittorio Bucci, University of Trieste & Research topic manager on Inest's Sustainable waterway mobility

15.40-16.00 **RAISE - Robotics and AI for Socio-economic Empowerment**

Improve the strategy and methodologies of environmental monitoring and protection for the sea in the Ligurian territory. Innovative robotic systems managed by AI for marine monitoring, with increased mission range and better data quality (widespread, integrated and dynamic-adaptive monitoring)

On constructing an intelligent digital environment for ports and maritime transport

Davide Giglio, University of Genova & RAISE

Citizen science actions to empower ocean digitalization

Marco Faimali, CNR & RAISE

Antonio Novellino, ETT spa & RAISE

16.00-16.20 MOST - National Center for Sustainable Mobility

Making the mobility system "greener" as a whole and more "digital" in its management. Electric and hydrogen propulsion solutions and systems. Digital systems and autonomous driving to reduce accidents; more effective solutions for public transport and port logistics; a new model of mobility, as a service, accessible and inclusive.

Daniele Filippone, Fincantieri (TBC)

Alessandro Iafra, Director of INM-CNR & Spoke Coordinator (TBC)

16.20-16.50 Panel discussion – interaction with southern shore representatives on the topic

Moderator:

Emilio Campana, Cluster BIG (TBC)

Participants:

all north-south clusters and Italian ecosystems' representatives

16.50-17.00 Wrap-up and conclusion

THURSDAY 7
NOVEMBER10:00 -
18:00Tiglio Room A6
pav.**Resource
efficiency and
Circular
Economy***Onsite event*[Click here](#)**Innovative solutions for waste prevention and circular resources management**

Language: Italian

organized by Ecomondo STC & Italian Chemical Society – Division Environmental and Cultural Heritage Chemistry, Italian LCA Network – WG Waste Management and Treatment

with speeches and posters from the Call for Papers 2024

At a European level, most EU Countries have carried out waste prevention initiatives, even though different targets and indicators are used, which make the comparison quite difficult. A fundamental contribution to this virtuous process can derive also from the initiatives of single organisations. Together with prevention practices, to pursue a greater overall sustainability, actions of circular management of end-of-life management actions are decisive. To this end, suitable assessment tools that could highlight the environmental benefits coming from the proposed solutions must be adopted.

In this seminar, new approaches, good practices and case studies will be presented, which can show remarkable advancements in the achievement of more sustainable procedures of prevention and management of residues, discards, by-products, both from industrial and municipal sources.

Session Chairs

Fabrizio Passarini, Ecomondo STC, University of Bologna

Silvia Fiore, Polytechnic University of Turin

Danilo Bonato, Managing Director Erion

Programme

9.30 Introduction by the Chairs

9.45-10.00 *Horizon Project "Chorizo": Changing practices and Habits through Open, Responsible, and social Innovation towards ZerO food waste*

Matteo Vittuari, University of Bologna

10.00-10.15 *Opportunities for Circular Management of Neodymium from WEEE and End-of-Life Vehicles (ELV)*

Laura Mascheretti, ERION

Speeches selected from the Call for Papers

17.15-17.30 Discussion and closure by the Chairs

POSTER SESSION

THURSDAY 7
NOVEMBER

10:15 -
13:00

Agorà Tiberio –
Water Cycle Area
D8 pav.

**Water cycle and
Blue Economy**

Onsite event
[Click here](#)

Digitalization and optimization of the efficiency of water networks: from PNRR interventions to research and innovation actions

Language: Italian

organized by Ecomondo STC & Marche Polytechnic University, University of Bologna, UTILITALIA (Italian federation of energy, water and environmental services)

with speeches and posters from the Call for Papers 2024

Digital technologies are impacting nearly every sector in the water industry. Water utilities of all sizes — private and public — are shifting the way they operate and manage resources. Utilities are embracing digitalization to address problems ranging from aging water infrastructure to optimizing resource allocation. The national recovery funding is playing a crucial role in boosting digitalization of water infrastructure, while several innovation projects are implanting aligning the water sector to the digital transition. The workshop will present a framework of how projects funded by the PNRR are progressing and the most promising innovation projects selected from the Call for Papers.

Session Chairs

Attilio Toscano, Ecomondo STC and University of Bologna
Representative of UTILITALIA

Programme

10.15 Introduction by the Chairs

10.15-10.30 *Current progress of PNRR for digitalizing the water distribution systems*
Representative of Italian Ministry of Infrastructure and Transport (TBC)

10.30-10.45 *Case studies from water utilities*
Speaker (TBD)

10.45-12.15 ***Speeches selected from the Call for Papers***

12.15 *Discussion and closure by the Chairs*

POSTER SESSION

THURSDAY 7
NOVEMBER

10:15 -
13:00

Agorà Malatesta –
Environmental
Monitoring Area
D8 pav.

**Water cycle and
Blue Economy**

Onsite event

[Click here](#)

What waters tell you about ... health: risk assessment methodologies, monitoring, sustainable finance, business opportunities and treatment upgrading

Language: Italian

organized by Organized by: Ecomondo STC & National Health Institute, EC/JRC, UT ILITALIA (Italian federation of energy, water and environmental services), Marche Polytechnic University, ASSOARPA (National Association of Regional Environmental Protection Agencies)

with speeches and posters from the Call for Papers 2024

CALL FOR PAPERS

The water and health nexus has been upgraded from the issues related mainly to pro contaminated water and poor sanitation to several opportunities that span from innovative technologies, investments and business, support for advanced monitoring to prevent possible pandemics. This workshop will highlight how risk-based approach is now mainstreaming the new EU directives and regulations, so as to pave the way for a paradigm shift. In addition, results from interfaces between water and health experts will allow the definition of the current state of the art and perspective for joint industrial development of the sectors.

Session Chairs

Bernd Gawlik, Ecomondo STC and Joint Research Centre, European Commission
Luca Lucentini, Ecomondo STC and Italian National Health Institute

Programme

10.15 Introduction by the Chairs

EU-wide studies for water and health nexus

Bernd Gawlik, EC JRC, portfolio leader water quality

Methodologies for risk-based approaches

Luca Lucentini, Istituto Superiore di Sanità

Risk management and water reuse: case studies

Francesco Fatone, Marche Polytechnic University

Attilio Toscano, University of Bologna

11.30 *Speeches selected from the Call for Papers*

12.30 Discussion and closure by the Chairs

POSTER SESSION

THURSDAY 7
NOVEMBER

10:30 -
13:00

Diotallevi 2 Room
South Hall

**Policies and
regulatory
frameworks**

Onsite event

[Click here](#)

The role of the OECD in monitoring the green economy and the contribution of Italian institutions

organized by Permanent Representation of Italy to the International Organizations in Paris

OECD countries, which represent more than 60% of global nominal GDP, lead the ecological and energy transition and the amount of data on the development of the green economy that they manage is enormous.

This special session on the functioning of the OECD's data collection and analysis policies of the most advanced economies will feature top-level speakers to highlight the contribution to the development of the green economy made by the international organisation together with its umbrella ones, such as the International Energy Agency and the International Transport Forum, with the support of Italian institutions, highlighting the specific role played by the Ministry of Foreign Affairs and International Cooperation (MAECI) and the Permanent Representation of Italy to International Organisations Paris.

The debate will focus on the economic aspects of the ecological and energy transition.

Session chair

Luca Demicheli, Permanent Representation of Italy to International Organisations in Paris

Programme

Introduction

Aldo Ravazzi Douvan, Italian National Delegate to the OECD Environment Policy Committee (EPOC)

The OECD and the Inclusive Forum on Carbon Mitigation Approaches (IFCMA)

Fabrizia Lapecorella, Deputy Secretary General, OECD (TBC)

The OECD environmental protection programmes and the Environment Policy Committee (EPOC)

Alexa Piccolo, Special Advisor to the Director, Environment Directorate, OECD

The importance of playing a central role within the actions of the OECD and the Italian presidency of the G7

Laura D'Aprile, Head of the Sustainable Development Department, Ministry of the Environment and Energy Security (MASE)

The contribution of the Italian Institute for Environmental Protection and Research (ISPRA) to the economic and financial analyses and to the environmental databases of the OECD

Stefano Laporta, President / Maria Siclari, Director General, Italian Institute for Environmental Protection and Research (ISPRA)

International climate negotiations within the OECD

Federica Fricano, Director of European Environmental Affairs, Ministry of the Environment and Energy Security (MASE)

The growing role of the International Energy Agency

Laura Cozzi, Director of Sustainability, Technology and Outlooks / Paolo Frankl, Head of Renewable Energy Division, International Energy Agency (IEA) (TBC)

The International Transport Forum and the Italian presidency of the G7

Giovanni Donato, Diplomatic Advisor to the Minister of Infrastructure and Transport (MIT)

The Ministry of Foreign Affairs and International Cooperation (TBC)

The role of industry

SNAM / ENI (TBC)

Debate and conclusions

THURSDAY 7
NOVEMBER

10:30 -
16:30

Agorà Ariminum –
Circular Economy
Area D1 pav.

**Resource
efficiency and
Circular
Economy**
Onsite event
[Click here](#)

REUSE, REPAIR, RETHINK, REFORM. Designing for Circularity and Responsible Innovation

Language: Italian

**organized by Ecomondo STC & MICS Foundation (Circular and Sustainability
Made in Italy National Research Project), University of Bologna, EISMEA,
(APRE Agency for the Promotion of European Research)**

Producing goods and services in Europe means distinguishing ourselves from global dynamics and processes by promoting values and quality that at a continental level represent our "way of doing quality industry with a high identity value". A way made up of many different visions with which to understand and implement circularity.

This conference intends to emphasize the most "noble" approaches of the circular economy: reuse, durability and repairability and, logically, eco-design. We will do so by presenting points of view and testimonies of an international scenario within the industrial manufacturing sector with respect to sustainability, observed both from the point of view of circularity (material dimension) and from the social one, read in particular through responsible innovation (immaterial dimension).

We intend to take stock of this phenomenon today in the panorama of production and scientific applications, involving some excellent experts as well as companies that in an original and courageous way are generating strongly recognized value through a transition to solutions based on these approaches.

The event is organized in two sessions, each of which focuses on the different dimensions of sustainability mentioned above (tangible and intangible). Each session includes inspirational interventions as well as case studies that show how those concepts are translated into real business in the EU.

The two sessions will be directly connected with an exhibition area where leading companies will showcase their activities in the field of reuse, repair, refit and eco-design.

Session Chairs

Angelo Salsi, former Head of Department at European Commission
Francesco Matteucci, former Programme Manager at EISMEA
Flaviano Celaschi, University of Bologna and MICS Foundation
Laura Succini and Erik Ciravegna, University of Bologna

Programme

Session 1: *Setting the context*

Moderator:

Angelo Salsi, former Head of Department CINEA – European Commission

10.30 Introduction by the Moderator

Circularity / Circular Economy / Circular Design Framework

[Principles, Numbers, Perspectives]

Global Expert on Circular Economy

The contemporary edge of the policy

European Commission representative

Case Study Related to Sustainability in its REUSE Dimension
Leading Company in the Second-Hand Market

Case study Related to Sustainability in its REPAIR Dimension
EURONICS GEIE (TBC)

12.15 Debate

Lunch break

Session 2: Sustainability and its intangible dimension

Moderator:

Flaviano Celaschi, Full Professor at Alma Mater Studiorum - Università di Bologna
and Spoke 1 Leader of MICS-Made in Italy Circolare e Sostenibile (PE11 PNRR)

14.30 Introduction by the Moderator

Design for Transition (Political, Economic, Social, Technological, Environmental, Social)
[Tools and Cases]

Academic Expert on Transition Design

Responsible Innovation and Practical Effects on Business

Academic Expert on Corporate Responsibility and Sustainability

Case Study Related to Sustainability in its RETHINK Dimension
(New Business Models, Systemic Design)

Leading Company in Eco-Design and Repairability

Case Study Related to Sustainability in its REFORM Dimension (e.g. Ethics, Gender Equity, Inclusion, Open Access...)

Leading Company in Sustainable Processes in Extreme Environments

The Digital Advanced Design Approach: Cases and Tools for Experimentation: from the MICS (Made In Italy Circular And Sustainable) Project in Innovative Processes and Products (PNRR PE11 Spoke 1)

Erik Ciravegna, Laura Succini, Researchers at Alma Mater Studiorum - Università di Bologna

Debate

16.15 Closing statements

THURSDAY 7
NOVEMBER

14:00 -
16:00

Agorà Augusto –
Bioeconomy Area
D2 pav.

**Circular and
Regenerative
Bioeconomy**

Onsite event

[Click here](#)

Innovating the Mediterranean: Youth-Driven Green and Blue Transitions! Award Innovation for a Mediterranean Food Transition

Language: English

organized by Ecomondo STC & CIHEAM, UfM, Uni-Med & BusinessMed

In a rapidly changing global economy influenced by environmental and societal shifts, the job market must adapt and develop new professional profiles to meet emerging needs. Innovation managers, technology transfer officers, and specialised trainers are becoming increasingly essential. Innovative educational programs designed with a learning-by-doing approach and solution-oriented challenges which unlock hidden talents, nurture the aspirations of young Mediterranean people, and develop soft skills towards the green transition, impacting the creation of start-ups and the change of businesses by encouraging more competitive innovation processes.

The CIHEAM supports the quintuple helix model, integrating academia, industry, government, civil society, and the environment, fosters entrepreneurship in promising economic sectors, provides meaningful opportunities and creates the conditions for a prosperous future. The event, organised by the International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), the Union for the Mediterranean (UfM), the Mediterranean Universities Union (UniMed), and the Mediterranean Confederation of Enterprises (BusinessMed) revitalises the Mediterranean Innovation Partnership (MIP), embodies a comprehensive multi-stakeholder approach and stimulates a comprehensive debate on these critical issues: How can innovation and technology transfer be effectively harnessed to support sustainable development in the Mediterranean region? What role can young entrepreneurs play in driving the green and blue economy transitions? How can the quintuple helix model be implemented to foster collaboration among academia, industry, government, civil society, and the environment?

Programme

Innovating the Mediterranean: Youth-Driven Green and Blue Transitions

Theme:

Focus on youth empowerment, entrepreneurship, and sustainable innovation in the Mediterranean. Highlight how young people can drive green and blue economic transitions

14.00-14.30 Opening Remarks

The importance of youth in shaping the future of the Mediterranean, highlighting their potential in driving sustainable development

Teodoro Miano, CIHEAM

Nasser Kamel and Giuseppe Provenzano, Union for Mediterranean

Marcello Scalisi, Unimed

Jihen Boutiba Mrad, BusinessMed

14.30-15.00 **Panel Discussion: Scenarios and Evolutions of Food Systems and Green/Blue Transition in the Mediterranean and Africa**

Moderator:

Yasmine Seghirate, CIHEAM

Panelists:

Sebastien Abis, Club Demeter

Angelo Riccaboni, PRIMA Programme

Nesrine Ziad, Leancubator

Jesus Anton, OECD - Trades and Agriculture

15.00-15.15 *Innovation vision pills*

Young CIHEAM researchers

15.15-15.30 **Building Up the Innovation Ecosystem: MIP (Mediterranean Innovation Partnership Network)**

Overview of the MIP Report 2024: Emphasizing the theme "Future is young! Changing mindset to deal with change."

Damiano Petruzzella, Annarita Antonelli, Giordano Dichter, CIHEAM Bari

Introduction of new MIP network strategies and tools that support young innovators

15.30-16.00 **CIHEAM Youth Innovation Award**

Moderator:

Young professional/student from CIHEAM institutes (Chania, Montpellier, Zaragoza)

- Presentation on the significance of the Innovation Award, highlighting past recipients and their contributions.

- Presentations from the three best candidates, showcasing their projects and impact.

- Award Ceremony.

- Engagement and Interaction.

Interactive Q&A Sessions: Encourage audience participation through interactive Q&A sessions after each major segment.

THURSDAY 7
NOVEMBER

14:00 -
17:00

Agorà Malatesta –
Environmental
Monitoring Area
D8 pav.

**Circular and
Regenerative
Bioeconomy**

Onsite event

[Click here](#)

Best practices in agriculture and forestry to protect Biodiversity

Language: Italian

organized by Ecomondo STC & Po River Basin Authority

The workshop will focus on best practices regarding the correlation between new European Biodiversity framework and the impact on agricultural issues. The aim is to present best practices that shows the goals reached in terms of protection of Biodiversity making profit.

Session Chairs

Alessandro Bratti, Ecomondo STC

Fernanda Moroni, Po River Basin Authority

Programme

14.00-14.20 Introduction

Representative of Ecomondo STC

Representative of Italian Ministry of Agriculture, Food Sovereignty and Forestry (TBC)

Representative of Italian Ministry of Environment and Energy Security (TBC)

14.20-14.40 Main lecture *"The perfect storm: water, food and 8 billion of consumers"*
Jan Lundqvist, SIWI-Sweden (TBC)

14.40-15.00 *Ecosystem services*

Davide Pettenella, University of Padua

15.00- 15.20 *Case of CER (Emiliano Romagnolo Channel)*

Zuccaro (TBC)

15.20-15.40 *Network of firms to protect Biodiversity*

Representative of Fondazione per lo Sviluppo Sostenibile (TBC)

15.40-16.00 *An experience of processing industry agricultural products*

Representative of Mutti (TBC)

16.00-16.20 *The wood industry: a contribution for saving natural resources*

Representative of Federlegno (TBC)

16.20-16.40 *Forestation and dam*

Representative of Romagna Acque (TBC)

16.40-17.00 *Water: scientific or political issue?*

Giulio Bocaletti, CMCC (TBC)

17.00 Discussion and closure by the Chairs

THURSDAY 7
NOVEMBER

14:00 -
17:00

Noce Room A6
Pav.

**Resource
efficiency and
Circular
Economy**

Onsite event

[Click here](#)

Applications of GVG for vibration reduction and in asphalt

Language: Italian

organized by Ecomondo STC & ASSOAMBIENTE-UNIRIGOM (Union of Italian rubber recoverers)

The restriction approved in Brussels will ban in the near future, the use of 0.5 mm recycled rubber granules (GVG - Granular Vulcanized Rubber) as infill in synthetic turf sports surfaces. It is a market that currently absorbs about 40% of the recycled rubber granules in Europe and in Italy GVG are currently used in about 5,000 sports installations.

It is thus necessary to find new market to avoid the collapse of the end-of-life tire recycling system and to support the chain of ELT recycling and the valorisation or recycled rubber in Italy, supporting the opening to new f the market flows.

The aim to present proposals for the future of a chain that has always had a strategic role for the national and global sustainability objectives.

Session Chair

Renzo Maggiolo, President of UNIRIGOM

Programme

Sen. Francesca Tubetti, Italian Senate Environment Committee

Sergio Saporetti, Italian Ministry of Environment and Energy Security (TBC)

Representative of Unirigom's company

Giuseppina Carnimeo, Director ECOPNEUS

Roberta De Carolis, ENEA

Valeria Erba, ANIT - National Association for Thermal and Acoustic Insulation (TBC)

Discussion and closure

Renzo Maggiolo - President of UNIRIGOM

THURSDAY 7
NOVEMBER

14:00 -
17:30

Diotallevi 1 Room
South Hall

**Resource
efficiency and
Circular
Economy**

Onsite event

[Click here](#)

Measuring circularity of product and services in the prospect of new design regulation

Language: Italian

organized by Ecomondo STC & Sant'Anna School of Advanced Studies, ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development)

The event will focus on measuring the circular economy, a topic that is increasingly felt at different levels: system, sector, enterprise, and product. Following the success of the 2022 and 2023 initiatives, this year's workshop will look at the evolution of circularity measurement considering both the development of national and international legislation standards and the diffusion of experiences in the different sectors.

In particular this year focus will be on methods and processes to measure circularity of products and services, by using innovative tools based on check-up approaches as well as LCA-based circularity indicators.

The workshop aims to present an overview of the different international and national approaches and then explore the usefulness of measurement with companies and associations that have applied the different approaches and can contribute to the refinement of the available tools.

Session Chairs

Marco Frey, Sant'Anna School of Advanced Studies

Claudia Brunori, ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development) - Department of Productive and Territorial Systems Sustainability

Programme

14.00-14.20 *Introduction to the evolution of approaches and experiences in the area of circularity measurement*

Marco Frey, Sant'Anna School of Advanced Studies

Session on

The evolution of national and international initiatives related to measurement in the circular economy

14.20-14.40 *The framework of UNI, EN and ISO standards for the circular economy. Applications at product&service level.*

Laura Cutaia, ENEA – UNI/CT 057 chair

14.40-15.00 *The point of view of the European Commission*

Mauro Cordella, DG Environment

15.00-15.20 *How we can measure product circularity*

Fabio Iraldo, Sant'Anna School of Advanced Studies

15.20-15.35 *Circularity approaches in a PNRR Project (GRINS)*

Bruno Notarnicola, Università di Bari

15.35-15.50 *Public funding and circularity measurement in the research and innovation field*

Enrico Cancila, Arter

15.50-16.05 *The regenerative experience of Itelyum*

Marco Codognola, Itelyum

16.05-16.20 *The experience of the electrical equipment*

Stefano Zuin, Electrolux

16.20-16.35 *The experience of Brembo*

Luca Pirastu, Brembo (TBC)

16.35-16.50 *One protagonist of the the Ecocerved Project*

Marco Botteri

16.50-17.05 *The experience of ENI*

Paola Volpe, Eni

17.05-17.20 *The experience of Assofond*
Speaker (TBD)

17.20-17.30 Discussion and closure by the Chairs

THURSDAY 7
NOVEMBER

14:00 -
17:30

Agorà Flaminia –
Sites & Soil
Restoration Area
C1 pav.

**Sites & Soil
Maintenance
and Restoration**
Onsite event
[Click here](#)

Sustainable strategies for the remediation of polluted sites: developments in national and international applied research

Language: Italian

organized by Ecomondo STC & Sapienza University of Rome, Unem (Energies for Mobility Union), ISPRA (Italian Institute for Environmental Protection and Research)

with speeches and posters from the Call for Papers 2024

The conference will be more specifically dedicated to the remediation technologies with case studies that highlight their actual extent and their limits.

Session Chairs

Marco Petrangeli Papini, Sapienza University of Rome
Donatella Giacometti, Unem
Fabio Pascarella, ISPRA

Programme

14.00-14.15 Greetings and introduction by session chairs

14.15-14.30 *Definizione di un protocollo operativo per il biomonitoraggio di matrici contaminate da composti organoclorurati finalizzato alla caratterizzazione microbiologica di aree SIN/SIL in Italia*

Bruna Matturro (IRSA-CNR), Simona Rossetti (IRSA-CNR), Alessia Arelli (ISPRA), Federico Araneo (ISPRA), Vincenzo Fiano (ISPRA), Chiara Fiori (ISPRA), Luigi Marangio (ISPRA), Giovanni Reina (ISPRA), Michela Serafini (ISPRA), Federico Silvestri (ISPRA), Francesco Zampetti (ISPRA), Enrico Alberico (ARPA Lombardia), Massimo Mazzola (ARPA Veneto), Giacomo Zaccanti (ARPA Emilia-Romagna), Marcello Mangone (ARPA Sardegna), Valentina Sammartino Calabrese (ARPA Campania)

14.30-14.45 *L'innovazione tecnologica e della ricerca scientifica applicate al risanamento del territorio: il desorbimento termico del SIN di Bussi – bioremediation a Dogaletto e Massa Carrara – scavo in ambiente confinato e mezzi radiocomandati*
Andrea Del Frate (Edison Regea)

14.45-15.00 *Application of an All-In-One ISCO Technology for the treatment of Monochlorobenzene, BTEX and Chloroform in groundwater at a Former Pharmaceutical Facility in Italy*

Alberto Leombruni (Evonik Operations GmbH), Michael Mueller (Evonik Operations GmbH) and Brant Smith (Evonik Corporation, LLC)

15.00-15.15 *Progetti sostenibili e vincoli autorizzativi: il sito di Crotone*
Andrea Battistelli (Eni Rewind SpA)

15.15-15.30 *Indagini ad Alta Risoluzione per una progettazione mirata e sostenibile degli interventi di Bonifica*

Federica de Santis (Mares Italia)

15.30-15.45 *Trattamento innovativo di 18 milioni di litri di acque di falda contaminate da PFAS con un impatto ambientale inferiore del 98%*

Mariangela Donati (Regenesis, Italy), Marcello Carboni (Regenesis, Italy), Gareth Leonard (Regenesis, UK)

15.45-16.00 *Visualizzazione avanzata dei dati ambientali e geologici con Earth Volumetric Studio (EVS) per una gestione sostenibile dei siti contaminate*

Cecilia Crugnola, Cesare De Bernardi (Arcadis Italia)

16.00-16.15 *Tomografia geoelettrica per l'individuazione del DNAPL*

Devis Ferrarato (Stantec), Vincenzo Giandinoto (Stantec), Andrea Messina (Stantec), Luca Piccapietra (Stantec), Daniele D'Emilio (Eni Rewind), Sabrina Filia (Eni Rewind), Federica Signoretta (Eni Rewind)

16.15-16.30 *Progettazione e realizzazione di un impianto pilota per il trattamento multistadio di acque di falda contaminate*

Leonardo Magherini, Serena Barbero, Carlo Bianco, Tiziana Tosco, Rajandrea Sethi (Dipartimento di Ingegneria dell'Ambiente, del Territorio e delle Infrastrutture, Politecnico di Torino), Devis Ferrarato, Luca Piccapietra (Stantec), Federica Signoretta, Sabrina Filia, Daniele D'Emilio (Hydrogeology and Groundwater Modelling - HYDROM - Eni Rewind S.p.A.)

16.30-16.45 *Declorazione riduttiva dei solventi clorurati: come riconoscere ed evitare lo stallo dei processi* Maite Tejerina Nunez, Auroramaria Basile, Anna De Fina, Ruggero Passaro e Jean Pierre Davit (WSP Italia S.r.l.)

16.45-17.00 *Il S.I.N. della ex miniera di amianto di Balangero e Corio (Torino): bonifica e prospettive di riqualificazione del sito*

Gian Luigi Soldi (Città metropolitana di Torino) Elisa Pugliaro (RSA Srl) Antonio Ghione (RSA Srl)

17.15-17.30 Conclusions

POSTER SESSION

1. Bonifica del S.I.N. di Napoli Est: a che punto siamo?

Adriano Pistilli, Responsabile Tecnico Gestione Rifiuti - Libero professionista

2. Nuovo disoleatore Discoil "designed for longevity"

Laura Badalucco, Rosa Chiesa (Università Iuav di Venezia); Roberto Bertolin, Lorenzo Grivellaro, Elisa Marchetto (OCS - Officine Costruzioni Speciali S.p.A.); Giorgio Gaino, Chiara Silvestri (Synthesis design)

3. Valutazione Ambientale del Biorisanamento: tecniche e sostenibilità per la rigenerazione di siti contaminate

Alessandra Fiorucci*(1), Sara Pennellini (1), Maria Elena Bini (1), Alessandra Bonoli (1)

4. Evaluation of groundwater remediation technologies through multi-criteria decision analysis: the case study of Brindisi industrial area

D. Scaringi (1), M.G. Altieri (2), G. Capece (1), C. Cino (1), F. Godano (1), G. Nasca (1), F. Todaro (1), M. Notarnicola (1)

5. Progetto Bagnoli

Catia Tomasetti

6. Rinforzi del terreno in ambienti chimicamente aggressivi per il riutilizzo in loco
Massimiliano Mongiorgi (Officine Maccaferri Italia S.r.l.)

7. Indagine sperimentale e simulativa di un intervento di bonifica con tecnologia elettrocinetica

Antonio Barone (a), Silvia Anna Frisario (b), Alessandra de Folly d'Auris (c), Sergio Ferro (a), Marco Voccianti

8. Restoration of urban sealed soil, contamination analysis and evaluation of crop pollution: the REUSES project

Ginevra Giacomello (1,2), Dominique Serrani (3), Andrea Salvucci (3), Luigi D'Acqui (2), Stefania Cocco (3), Valeria Cardelli (3), Sara Di Lonardo (2,4), Niccolò Pampuro (1)

9. Innovative approach to monitor GHG emissions from landfills and brownfield sites by combining ground measurements and satellite observations: first research activities for the development of a low-cost sensor toolbox

Veronica Villa(1), Dario Vernola(2), Stefano Robbiani (3), Beatrice Julia Lotesoriere*(1), Stefano Prudenza (1), Gabriele Viscardi (2), Manuel Roveri (2), Raffaele Dellacà (3), Yuri Ponzani (4), Laura Capelli (1)

10. Bonifiche sostenibili: esempi di interventi a km0 e valorizzazione dei siti per limitare il consumo di suolo

Laura Livia Bretti - Technical Manager - Eni Rewind S.p.A.

11. Impatto dei cambiamenti climatici sugli interventi di bonifica: un caso esemplare
Vinicio Gragnanini, Elena Bunone, Pina Volpicelli, (Sogin S.p.a.) Mariangela Donati, Paolo Goria (Regenesis)

12. Progetto Circolare "MushLoop"

Roberto Ricci - Biosearch Ambiente S.r.l., Sara Camandona - Biosearch Ambiente S.r.l

13. Monitoraggio ambientale integrato dell'area portuale di Taranto: realizzazione e gestione pluriennale di una rete di monitoraggio d'area, al fine di controllare lo stato qualitativo complessivo del sistema terra-mare del porto

Gianluca Semitaio, Gaetano Interno, Maria Santoro

14. Recovering the balance of the Earth through the chemistry of Nature

Joan Puig Rigall. Aircure Tech

15. L'exploitation minière artisanale, une menace pour l'espace protégé CNRA Nord (Bouaké, Côte d'Ivoire)" GOULIA Vlangny Jean-Baptiste Université Peleforo Gon Coulibaly (Korhogo, Côte d'Ivoire)

THURSDAY 7
NOVEMBER

14:00 -
18:00

Neri 2 Room
South Hall

**Policies and
regulatory
frameworks**

Onsite event

[Click here](#)

Italian Register of Environmental Operators

Language: Italian

organized by Italian Register of Environmental Operators

*** *Draft programme under definition***

THURSDAY 7
NOVEMBER

14:30 -
17:00

Ravezzi 2 South
Hall

**Circular and
Regenerative
Bioeconomy**

Onsite event

[Click here](#)

States general for soil health – III edition: opportunities for soil regeneration and climate neutrality: carbon farming and nature-based solutions. National session

Language: Italian

organized by Ecomondo STC & European Mission A Soil Deal for Europe, Re Soil Foundation, Coldiretti (Federation of Italian Farmers), National Bioeconomy Coordination Board (NBCB)

According to the European Soil Observatory, about 60 to 70% of soils in the EU are currently likely to be affected by one or more soil degradation processes, among all by soil sealing.

Agricultural soils annually lose 7.4 million tons of CO₂ due to the too-rapid mineralization that occurs, almost unnoticed, under agricultural crops, the same soil where seventy-eight percent of soil consumption occurs. Ecosystems in the Mediterranean area are particularly vulnerable and the region itself is warming 20% faster than the global average (source: UNEP).

Unhealthy soil generates side effects and is unable to provide essential ecosystem services, such as: producing safe nutrition and food, providing biodiversity, purifying and regulating water and its cycle, ensuring adequate nutrient cycling, storing CO₂ contributing to carbon and mitigating climate, and ultimately supporting human activities as a whole.

Lately, the debate about the urgent need for soil conservation has increased at all levels in Europe, partially due to the efforts of the European Mission “A Soil Deal for Europe”. And the publication of the Soil Strategy in November 2022 launched the process to adopt a Directive on Soil Monitoring and Resilience.

The third edition of the “States General for Soil Health – opportunities for soil regeneration and climate neutrality: carbon positive actions and nature-based solutions” will take place on 7th November 2024. In the morning session, the latest European policy updates and an overview of the key elements needed to protect soil health, such as carbon farming and nature-based solutions, as well as best practices for soil regeneration on different types of soil's use will be explored and discussed. The afternoon session will offer an overview of the Italian scenario, with a focus on regenerative agriculture and on best practice of soil regeneration in the local communities.

Session Chairs

Debora Fino, Turin Polytechnic, Re Soil Foundation President

Claudio Ciavatta, University of Bologna, Re Soil Foundation Board Member

Programme

14.30-14.45 Keynote: ***One Health approach for soil health***

Stefano Masini, Coldiretti

14.45-14.55 Introduction by the Chairs

14.55-15.30 ***Italian policy framework update***

14.55-15.10 *Italian policy framework on soil protection*

Francesca Assennato, MASE-ISPRA

15.10-15.30 *National forestry strategy and the carbon credit registry*

Ilaria Falconi, MASAF-CREA

15.30-16.05 ***Regenerative agriculture-best practices***

15.30-15.40 *What is regenerative organic agriculture*

Dario Fornara, Davines/Rodale Institute EU

15.40-15.50 *Agriculture best practice to improve soil ecosystem services*

Massimo Fagnano, University Federico II, Naples

15.50-16.00 *MONALISA: MONitoring and Assessing prevention and restoration solutions to combat desertification in Living labs for achieving Soil health*

16.00-16.15 *The use of compost for soil regeneration*

Massimo Centemero, CIC

16.15-16.45 **Panel: soil regeneration in the local community**

16.15-16.25 *How to help farmers adopt regenerative agriculture practices*

Andrea Ferrarini, UCSC (TBC)

16.25-16.35 *Example of Living lab in Italy (EU project)*

Eleonora Bonifacio, Living SoilLL

16.35-16.45 *Best practice of local community engagement*

Koen van Seijen, Re Soil Foundation advisory group (TBC)

16.50-17.10 Soil literacy and citizen engagement: the role of Horizon Mission Soil Projects

16.50-17.00 Prepsoil

17.00-17.10 ECHO

17.10 *Q&A and Conclusions*

THURSDAY 7
NOVEMBER

16:30 -
18:00

Agorà Augusto –
Bioeconomy Area
D2 pav.

**Agroecology and
Bioenergy**
Onsite event
[Click here](#)

Sustainability and circularity of bioenergy production

organized by Ecomondo STC & Ricerca sul Sistema Energetico – RSE SpA

The use of short chain biomass for energy purposes, although in the past it has not always been adequately considered in European and Italian energy policies, is proving to be a valuable solution for the decarbonization and sustainability goals of national agricultural and suburban communities. Indeed, today much of the available biomass is still not used according to modern and scientific criteria of sustainability and circularity. The conference aims to provide a point of view in this regard from the main scientific actors operating in this sector in Italy.

Session Chair

Michele de Nigris, Director of Sustainable Development and Energy Sources Department, RSE SpA

Programme

16.30-16.40 *Greetings*

Carloalberto Giusti, Chairman of RSE SpA

16.40-16.50 *Introduction*

Franco Cotana, CEO of RSE SpA

16.50-17.00 *Biomass emissions: reality versus myths*

Domenico Cipriano, RSE SpA

17.00-17.10 *Biomass-based energy carriers*

Valentina Coccia, Università degli Studi di Perugia

17.10-17.20 *The use of biomass and its social and economic impact*

Alberto Cavazzini, CREA - Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria

17.20-17.30 *Decarbonization of the Italian agri-food sector*

Francesca Bazzocchi, RSE SpA

17.30-17.40 *Valorization of agro-industrial waste in the energy and energy efficiency sectors*

Marco Barbanera, Università degli Studi della Tuscia

17.40-17.50 *Biodiversity conservation through biomass production: the European project "DIVERSE"*

Cristina Cavicchioli, RSE SpA

17.50-18.00 Discussion and closure by the Session Chair.

FRIDAY 8 NOVEMBER

FRIDAY 8
NOVEMBER

10:00 -
12:45

Neri 1 Room South
Hall

**Policies and
regulatory
frameworks**

Onsite event

[Click here](#)

End of Life Vehicles: towards the new ELV regulation

Language: Italian

**organized by Ecomondo Scientific Technical Committee & ASSOAMBIENTE
(National Association of Environmental Services Companies and Circular
Economy)**

The vehicle demolition sector is currently experiencing a great revolution. From the proposal of a new Regulation on end-of-life vehicles – amending the Directive 2000/53 - which will bring new objectives and new obligations for all subjects in the ELV supply chain, to the changes introduced at National level with the entry into force next June 2024 of the new electronic register of end-of-life vehicles and with the arrival of RENTRi which will see its first applications at the beginning of 2025.

The main goal of the conference is to explore and illustrate the changes to the obligations of the subjects of the supply chain brought about by the aforementioned Regulations and discuss them with all the subjects interested in the change.

Session Chair

Paolo Barberi, Vice President of Assoambiente

Programme

10.00 Introduction by the Chairs

10.10-10.30 *the New electronic register of end-of-life vehicles*

Salvatore Moretto, PRA Director

10.30-10.50 *RENTRi – New IT waste traceability system*

Chiara Leboffe, Assoambiente

10.50-11.00 *The proposal for a Regulation on end-of-life vehicles*

Mattia Pellegrini - Head of Unit B03 "From Waste to Resources" at the EC DG Environment

11.10 Round table

Paolo Campanella, FEAD Director

Antonio Cernicchiaro, UNRAE - National Union of Foreign Car Representatives

Luca De Vita, ANFIA - Italian Association of the Automotive Industry

Stefano Leoni, AIRA - Industrial Association of Car Recyclers

Cinzia Vezzosi, ASSOFERMET - National Association of Steels, Metals, Scrap

Gianfranco Soranna, FEDERAUTO - Italian Car Dealers Federation

Alfonso Gifuni, CAR - Confederation of car wreckers

Ruggiero Delvecchio, ADQ - National Association of Quality Car Wreckers

Anselmo Calò, ADA - Association of Automobile Wreckers

12.45 Discussion and Conclusions

FRIDAY 8
NOVEMBER

10:00 -
13:00

Agorà Tiberio –
Water Cycle Area
D8 pav.

**Policies and
regulatory
frameworks**

Onsite event

[Click here](#)

Evidence and innovative perspectives of the MTI4 in water sector

Language: Italian

organized by Ecomondo STC & ARERA (Italian Regulatory Authority for Energy, Networks and Environment), REF Ricerche, UTILITALIA (Italian federation of energy, water and environmental services)

The MTI-4 for the period 2024-2029 lays the foundations for a more resilient water service capable of responding to the challenges related to climate change.

Restoration of natural capital, construction of large reservoirs, promotion of wastewater reuse, energy neutrality, development of renewables, management of urban drainage, are all ingredients of a holistic and sustainable approach to the industrial development of the sector. Environmental sustainability passes through coordinated planning at the various levels of governance and requires industrial actors capable of deploying all the tools made available by national regulation.

Session Chairs

Donato Berardi, Director of REF Laboratory

Programme

10.00 Introduction by the Chairs

10.10-10.30 *First lessons from MTI-4: an overview*

Samir Traini, REF Ricerche

10.30-10.50 *Energy supply: how MTI4 has influenced purchasing patterns*

Gaia Rodriguez/Paolo Carta, Utilitalia

10.50-11.10 *Possible solutions and impacts from EU-funded innovation actions: the interaction with ARERA regulation*

Francesco Fatone, Marche Polytechnic University

11.10-12.30 *Round Table*

Companies' representatives

Chair of round table:

Giordano Colarullo, Utilitalia

12.30-13.00 Discussion and closure

Andrea Guerrini, ARERA

FRIDAY 8
NOVEMBER

10:15 -
13:00

Agorà Augusto –
Bioeconomy Area
D2 pav.

**Circular and
Regenerative
Bioeconomy**

Onsite event

[Click here](#)

Wood and biomaterials for construction: a path to decarbonisation and circular economy

Language: Italian

organized by Ecomondo STC & Confagricoltura (General Confederation of Italian Agriculture), AlberItalia Foundation, National cluster Forestry-wood

with speeches and posters from the Call for Papers 2024

Timber and biomaterials are an increasingly strategic resource for green building and for fighting climate change thanks to their ability to replace products from fossil sources, to recover waste biological materials, and to improve the energy performance of the environments built, and above all carbon storage over time.

Although the prospects of the sector have been discussed for several years, the diffusion of such buildings is still very limited, except in some specific contexts, and this is also in relation to the lack of specific policies and measures for the green building sector. A situation that could see an evolution also thanks to the definition of the carbon farming certification system for wood products; also considering the sensitivity of citizens on the issues of sustainability and health linked to biomaterials in construction.

Starting from these elements, the objective of the conference is to analyze with representatives of the world of research, associations, professionals, local administrators, etc., the strengths and weaknesses of the sector, at a national level, for a reflection on what levers should be activated to spread a model of housing and construction with lower impact, greater efficiency, and more linked to the resources of our territory, at competitive costs. This with reference to the different biomaterials and dispelling some myths about the safety of buildings made with biobased materials.

Session Chairs

Roberta Papili, Confagricoltura
Silvia Piconcelli, Confagricoltura

Programme

10.15 Greetings

Enrico Allasia, Confagricoltura

10.30-10.45 Introduction

The New European Bauhaus

(European Commission contact person) or (CEI BOIS Technical Director) (TBC)

10.45-11.00 *Collaboration between science, industry and architecture*

Nike Krajnc, Slovenian Forestry Institute

11.00-11.15 *National policies and strategies for the new model of European construction*

Representative of Difor

11.15-11.30 *The supply of raw materials for construction in Italy*

Marco Marchetti, Fondazione AlbertItalia

Davide Pettenella, Cluster Italia Foresta Legno

11.30-11.45 *Innovative and sustainable architecture*

Representative of Studio Boeri (TBC)

11.45-12.00 *Construction strategies for decarbonisation*

Representative of Klimahouse (TBC)

12.00-12.15 Case studies and Call for Papers

12.15-13.00 Round table: *Proposals for the organization of an Italian supply chain*

13.00 Conclusions

FRIDAY 8
NOVEMBER

10:30 -
13:30

Girasole Room
East Hall

**Water cycle and
Blue Economy**
Onsite event
[Click here](#)

Waste reduction and management in fishing ports to promote sustainable fisheries

Language: Italian

Simultaneous translation: English

**organized by Ecomondo STC & University of Padua, Legacoop
Agroalimentare Northern Italy, Lavoratori del Mare Fisheries Cooperative**

Marine litter and plastic pollution are a global issue threatening marine ecosystems. Fisheries, fishing ports and seafood supply chains can be a source of the litter directly or indirectly released into the sea, but they are also a central part of the solution: for example, they can substantially contribute to reducing pollution by 'Fishing for Litter' or adopting more sustainable management practices. This session aims to bring together governmental, academic and private stakeholders, including fishery representatives and ports, to discuss open problems related to sustainable marine litter management as well as the pros and cons of different solutions. Talks will showcase best practice examples, such as the Interreg Italy-Croatia project FishNoWaste (2024-26) focusing on waste management in Adriatic fishing ports, explore current regulations, and describe the sustainability of supply chains in a circular economy perspective, with a final round table.

Session Chair

Alberto Barausse, University of Padova

Programme

10.30-10.40 Introduction by the Chair, Prof. Alberto Baurasse

10.40-10.50 Intervention by managing authority Italy-Croatian Programme, Silvia Comiati (tbc)

10.50-11.00 Intervention by Anna Montini, Blue Economy Councillor of Rimini Municipality

11.00-11.15 *The FishNoWaste project presentation*
Tommaso Musner, University of Padova

11.15-11.30 *The EU Mission "Restore our Ocean and Waters by 2030"*

11.30-11.45 *The BlueMed Initiatives*

Fabio Trincardi, CNR Bologna

11.45-12.00 *Regulatory analyzes regarding Marine Litter*

Representative of Ministry of the Environment and Energy Security (tbc)

12.00-12.30 International case studies and best practices

Interventions:

Tomaso Fortibuoni, ISPRA, tbc

Pero Tutman, Tribunj

Lefteris Arapakis, Eneleia

12.40-13.15 Supply chains of litter and of seafood: issues and potential: Round table on waste management in fishing ports

Chioggia, Rimini, Porto Garibaldi, Mazara, Split, Tribunj

Discussion and closure by the Chairs

FRIDAY 8
NOVEMBER

11:30 -
13:00

Agorà Blue
Economy B8 Pav.

**Financing,
education and
communication**

Onsite event

[Click here](#)

Blue skills and employment development: strategies and good practices for blue growth

Language: Italian

Simultaneous translation: English

**organized by Ecomondo STC & Legacoop Agroalimentare, Demetra
Formazione, Cooperativa MARE**

Blue skills and job development are key components to support sustainable blue growth. The implementation of effective strategies is necessary to anticipate changes and the adoption of good practices in this area can improve the competitiveness, resilience and sustainability of the blue economy. The initiative, in addition to presenting some consolidated good practices and the strategies that have been implemented, intends to offer an overview of the scenario of employment opportunities offered by the integration of the different sectors of the Blue Economy with a timely assessment and forecast of skills by intervening, in fact, to fill blue skills gaps and forecast skill requirements based on sector trends and technological advances as well as present education and training programs to encourage younger generations to approach the different sectors of the blue economy.

Session Chair

Massimo Bellavista, Legacoop Agroalimentare, member of Ecomondo STC for the Blue Economy

Programme

11.30-11.40 Introduction by the Chair

11.40-11.55 Ministry of Education intervention

11.55-12.10 *The Blue Economy in the EU strategies and initiatives*
Karen Martin, CINEA (tbc)

11.55-12.25 *The BOUTCAR project: Blue Jobs Through Blue Careers*

Project overview & the Italian perspectives

Laura Zambrini, Demetra Formazione

Demand for education and training in the Spanish context

Jorge Romon, ARVI

Fishery and aquaculture demanding for education on the Greek experience

George Triantaphyllidis, UPAT University of Patras

12.25-12.35 *OPTIMA Project: Good practices in molluscs aquaculture*

Andrea Gugnali, M.A.R.E.

12.35-12.45 *Blueslinks: Blue Economy New Skills project*

Angela Nazzaruolo, Delta 2000

12.45-13.00 *Fishers of the Future*

Joan Roussoulière-Azzam, Policy Officer DG MARE/Tetra Tech

13.00-13.15 *Sustainable fisherman*

Hendrik Kramer, Fish entrepreneur

13.15-13.30 *World Fisheries Day: a future for young fishermen*

Mons. Fernando Chica Arellano, Permanent Observer of the Holy See at the FAO
(tbc)

Open discussions

conclusions by Cristian Maretti, President of Legacoop Agroalimentare