

Ecomondo 2024

05 / 06 / 07 / 08 NOVEMBER

Legend

-  Agroecology and Bioenergy
-  Circular and Healthy Cities
-  Circular and Regenerative Bioeconomy
-  Environmental Monitoring and Earth Observation
-  Exhibitors and partners events
-  Financing, education and communication
-  Opening event
-  Paper District
-  Policies and regulatory frameworks
-  Resource efficiency and Circular Economy
-  Sites and Soil Maintenance and Restoration
-  States General of the Green Economy
-  Textile District
-  Trenchless technologies
-  Water Cycle and Blue Economy

TUESDAY 5 NOVEMBER

TUESDAY 5
NOVEMBER

14:00 -
18:00

Camelia Room 1st
floor B6 Pav

**Exhibitors and
partners events**

Onsite event

[Click here](#)

Canadian Clean Technologies for a lower environmental impact of your company's processes and products

Language: English

organized by Embassy of Canada in Italy

The Embassy of Canada in Italy, in conjunction with the Délégation du Québec in Italy, is bringing to Italy some of the excellence of Canadian cleantech in several sectors of the Circular Economy.

In this edition of Ecomondo, we will cover a large spectrum of the bioeconomy sector with companies producing bio-based polymers and fibers, nano cellulose additive that significantly enhance strength and thermals stability of materials, bacteria and enzyme-based products for the protection of our ecosystem, bio-based coating technologies for urban infrastructure as well as clean technology solutions, applied to soil stabilization, soil treatments and containments. In the water sector, we will showcase the next generation of ultra filtration technology for wastewater, and last but not least, we will introduce new application of AI in the waste handling sector.

Session Chairs

Sameena Qureshi, Minister Counsellor, Embassy of Canada in Italy
Laurence Fouquette-L'Anglais, Deleguée du Québec en Italie, Délégation du Québec in Italy
Raimondo Orsini, Director, Fondazione Sviluppo Sostenibile

Programme

Introduction by the Chairs

Forest Products Association of Canada

Derek Neighbor, President & CEO - Opportunities for a bioeconomy future for Canadian forest

BioAstra Technologies

Sumitra Rajagopalan, CEO

Duraflex Solutions

James Yaworski, Managing Director

Ekilab

Nicolas Belisle, CEO

Manctech

Robert Menegotto, CEO

Peformance BioFilaments

Gurminder Minhas, Managing Director

Soyaoil Coatings Canada

Richard McSorley, CEO

Solmax

Ricardo Sanchez-Pérez, Commercial Director South-West Europe

Waste Robotics

Michel Laforest, President

Discussion and closure by the Chairs

TUESDAY 5
NOVEMBER

14:00 -
18:00

Noce Room A6
Pav.

**Exhibitors and
partners events**

Onsite event

[Click here](#)

PARSIVAL: pv PAnels Recycling to create Silicon VALue chain. Final Workshop

Language: English

organized by ENEA

PARSIVAL (2023-2024) is a RIS capacity building that aims to create a circular value chain for PV in particular in Apulia (IT) and Extremadura (ES) and, in detail, by proposing technologies for reuse, refurbishment and recycling of end-of-life PV panels.

Furthermore, the project has also studied, in collaboration with Industrial external stakeholders, the use of recovered silicon PV cells for several applications such as Si-ferroalloy, batteries or the purification for production of new PV.

In this workshop the results achieved by the project are presented with time dedicated to Q&A and open discussion.

Session Chairs

Cerchier Pietrogiovanni, CEO 9-Tech

Maria Lucia Prototppa, ENEA

Programme

14.00 Introduction on PARSIVAL project. Scope and Progress.

Pietrogiovanni Cerchier, CEO of 9-Tech

14.10-15.00 ***PV waste production forecast: the scenario in Italy and Spain***

14.10-14.35 *Forecasts of photovoltaic waste in Apulia and Italy*

Emiliano Tulusso, Responsabile sviluppo strategico e innovazione, ERION

14.35-15.00 *Forecasts of photovoltaic waste in Extremadura and Spain*

Santiago Rosado, Fundación Gómez Pardo

15.00-16.00 ***PV reuse, refurbish and recycling***

15.00-15.20 *The refurbishment and reuse of PV modules: technical end regulative review*

Luc Federzoni, CEA researcher and Funder of SOLREED

15.20-15.40 *The recycling of PV modules and recovery of silicon*

Pietrogiovanni Cerchier, CEO of 9-Tech

15.40-15.50 Q&A

15.50-16.00 Coffee break

16.00-17.30 ***Closing the silicon value chain***

16.00-16.20 *Re-use of silicon in aluminum industry*
Julian, Circular Silicon

16.20-16.40 *Re-use of silicon for Si-Ferroalloy production*
Katya Brunelli, University of Padova

16.40-17.30 *Re-use of silicon for the next generation Li-ion batteries*
Maria Lucia Protopapa, ENEA

17.30 Open discussion

TUESDAY 5
NOVEMBER

14:00 -
18:00

Tulipano Room B6
pav.

**Exhibitors and
partners events**

Onsite event

[Click here](#)

Polyvinylbutyral (PVB): a boost in the recycling of laminated glass? An innovative approach of the Sunrise project

Language: English

organized by Minerali Industriali

Project Sunrise is a Horizon 2020-funded project that aims to increase the collection and treatment of laminated glass, improve the separation of glass from PVB, and increase the fractions and quality of PVB for recycling.

During this session, we elaborate on the status of the Sunrise Project and provide important guidelines for glass recyclers to consider when planning future recycling of PVB in laminated glass.

Programme

Moderator:

Olivier Deweerdt, Denuo / FERVER

14.00 Introduction

Olivier Deweerdt, Denuo / FERVER

14.05-14.20 *Presentation of the Sunrise Project. Status of the Project.*

Angelica Perez, Lurederra

14.20-14.50 *Bridging the Gap: Current PVB Recycling Challenges and Knowledge Needs for Laminated Glass Applications*

Erdal Harmanci, Independent expert in laminated glass industry

14.50-15.20 *Presentation of the draft CEN Workshop Agreement on r-PVB characterization*

Claudia Laabs, DIN

15.20-15.35 *Presentation of the role of Minerali Industriali within the Sunrise Project and how Minerali Industriali is embracing the circular economy opportunities*

Ivano Menso, Minerali Industriali

15.35-16.00 Break

16.00-16.30 *PVB-recycling: the vision of a PVB-producer*

Tobias Deckstein, Kuraray Europe

16.30-17.00 *Guidelines of good management practices for glass recyclers*

Baudouin Ska, Ferver

17.00-17.30 *The recycling of PVB in India*

Anil Rathi, Laxmi Polymers

17.30 Questions, discussion and conclusion

WEDNESDAY 6 NOVEMBER

WEDNESDAY 6
NOVEMBER

10:00 -
11:00

Ocean Arena East
Hall

**Exhibitors and
partners events**
*Onsite & live
streaming event*
[Click here](#)

Sea4Value: Novel technologies in seawater desalination plants to extract minerals and metals from seawater brines

Language: English

organized by EURECAT

SEA4Value: Development of radical innovations to recover minerals and metals from seawater desalination brines is a European project that aims to deliver a Multi-mineral Modular Brine Mining Process for the recovery of valuable metals and minerals from brines produced by seawater desalination plants. The project tested the feasibility of next generation technologies (including advanced concentration, crystallization and highly selective separation processes) for the recovery of Magnesium (Mg), Boron (B), Scandium (Sc), Indium (In), Vanadium (V), Gallium (Ga), Lithium (Li), Rubidium (Rb), Molybdenum (Mo), and set the basis for their future assimilation as a third source of raw materials in seawater desalination plants. The SEA4VALUE consortium of 16 members represents the entire value chain -from Water Infrastructure Operator to Processing Industry, working extensively since 2020 to prove that the innovations and technologies developed and piloted are competitive, technically feasible, and will contribute to broader circular economy strategies and sustainability goals.

Programme

10.00 Welcome and introduction of the session
Aina Amengual, R&D Project Manager at Catalan Water Partnership (CWP)

10.05 *Sea4Value: Novel technologies in seawater desalination plants to extract minerals and metals from seawater Brines – Project Concept*
David Sanchez, sustainability researcher at EURECAT

10.15 *Sea4value Technologies results*

- *Advanced Nanofiltration Membranes for Brine Pretreatment.*
Arto Pihlajamäki, Associate professor at LUT School of Engineering

- *Advanced Fully Polymer-Based Evaporator.*
Heike Glade, Senior researcher at University of Bremen

- *Advanced evaporator with integrated vacuum steam heat supply system.*
Panagiotis Pappas, Technology Development Leader at SEALEAU B.V. (online)

- *Electrodialysis with bipolar membranes (EDBP) for selective recovery of Boron (B)*
Mariana Figueira, PhD at UPC & researcher at EURECAT

10.50 *Sea4Value Technologies implementation and Moving-lab results*
Naiara Hernández, Project Manager at the R&D department of AQUALIA (on-line)

11.00 Closure

Aina Amengual, R&D Project Manager at Catalan Water Partnership (CWP)

WEDNESDAY 6
NOVEMBER

10:00 -
13:00

Neri 2 Room
South Hall

Textile District
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

Bernardo Piccioli Fioroni, Utilitalia

Karina Bolin, Humana people to people

Selection companies

Human Competence, Technology and Markets. Strengths and weaknesses of the Campania district

Joseph Valletti, ARIU - Used Garment Recoverers Association

Carmine Esposito, UNIRAU - Union of used clothing collection, recycling and reuse companies

African Second Hand Markets

Fernando Hin Junior - ACB - Associação Comercial da Beira (Mozambique)

Recycling technologies

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

Andrea Falchini, Next Technology Prato

The future role of Consortiums of producers

Representative of the consortiums (TBD)

Updates to the regulatory framework

Luca Proietti, General Director of Italian Ministry of Environment and Energy Security

Conclusions

THURSDAY 7 NOVEMBER

THURSDAY 7
NOVEMBER

11:30 -
13:00

Acero Room 1st
floor A6 Pav

**Exhibitors and
partners events**

Onsite event

[Click here](#)

Next Generation Circular Bio-Based Packaging: The TERRIFIC Project's role in advancing the European circular bioeconomy

Language: English

organized by Legacoop

The project TERRIFIC is one of four flagship initiatives funded by the Circular Bio-based Europe Joint Undertaking (CBE), the public-private partnership between the European Union and the Bio-based Industries Consortium (BIC). The TERRIFIC project aims to demonstrate bio-based, circular flagship solutions for advanced packaging applications, achieving superior performance while enhancing circularity and resource efficiency throughout the supply chain. During the event, there will be an opportunity to delve into the challenges and opportunities that will arise during the project and its contribution to the European bioeconomy.

Session Chair

Giorgio Nanni, Legacoop

Programme

11.30 Introduction

11.35-11.50 *The flagship project Terrific: Next Generation Circular Bio-Based Packaging*
Patrizio Salice, Novamont

11.50-12.05 *Circular Bio-based Europe Joint Undertaking: Unlocking the future of circular bioeconomy in Europe*
Luisa Mascia, Circular Biobased Europe Joint Undertaking

12.05-12.15 *Bio-based packaging solutions for challenging applications*
Andrea Bulbarello, DSM Firmenich

12.15-12.25 *Consumers' sustainable packaging purchasing habits*
Mattia Granata, LegaCOOP (TBC)

12.25-12.35 *Circular Bio-Based Packaging perspectives in Europe: the Portuguese case*
Guilherme Gonçalves, Modelo Continente Shared Services

12.35-12.45 *Biorepack: A Successful Case Study of Italy's National Consortium for the Organic Recycling of Biodegradable and Compostable Plastic Packaging*
Andrea Barbieri, Biorepack

12.45 Discussion e conclusions

THURSDAY 7
NOVEMBER

15:00 -
16:30

**Water Cycle and
Blue Economy**

Onsite event

[Click here](#)

Corporate sustainability & marine protection. Corporate sustainability is an added value for the entire community

Language: Italian

organized by Sea the Change srl

The conference focuses on the crucial role of the connection between corporate sustainability and the importance of protecting the seas, our greatest ally in the fight against climate change. Therefore, it is a vector of well-being and security for society and the individuals who compose it, and it underlines how a sustainable approach can generate added value for both companies and communities. The positive impact of projects aimed at preserving the health of the seas and the ecosystems that inhabit them is a vehicle for economic development; moreover, companies must intervene as protagonists. Sea the Change proposes itself as a sustainability partner for companies that want to achieve their ESG objectives by protecting the Oceans. In this conference, we will analyze some innovative solutions and case studies.

Session Chair

Alberto Carpanese, Environmental economist, Co-founder Sea the Change

Programme

Moderated by:

Ilaria Palmegiani, Marine biologist & freelance journalist

15.00 Introduction

Ilaria Palmegiani, Marine biologist & freelance journalist

15.10-15.15 Speech by Anna Montini, Councillor Blue Economy of Comune di Rimini

15.15-15.25 *Guardians of the Sea: the role of fishermen in cleaning the seas*

Massimo Bellavista, Fisheries and aquaculture manager Emilia-Romagna di Legacoop Agroalimentare, Member CTS Ecomondo Blue Economy

15.25-15.40 *Sustainability and protection of the seas, why it is fundamental for society, companies and economic development*

Alberto Carpanese, Environmental economist, Co-Founder Sea the Change

15.40-15.50 *Adriatic Sea: protection and threats*

Martina Monticelli, Marine Biologist, Fondazione Cetacea

15.50-16.00 *Case study: Coopservice path*

Giuliana Caroli, Communication manager Coopservice

16.00-16.10 *Safeguard of Venice' lagoon*

Riccardo Seccarello, Communication manager Gruppo Veritas

16.10-16.25 Discussion and Q&A

16.25 Greetings and closing

FRIDAY 8 NOVEMBER

FRIDAY 8
NOVEMBER

10:00 -
13:00

Tulipano Room B6
pav.

**Exhibitors and
partners events**

Onsite event

[Click here](#)

Advancing Sustainability in Bio-Based Products: insights and new tools from European research projects

Language: English

organized by UNI – Ente Italiano di Normazione, BioReCer Project (Horizon Europe, GA 101060684)

This workshop aims to provide a comprehensive understanding of the critical aspects of sustainability in the bio-based products industry while fostering collaboration and knowledge sharing among key stakeholders.

It is organized by UNI, the Italian Standards Body, within the Horizon Europe project BioReCer and it aims to bring together stakeholders from the bio-based products industry, researchers, and policymakers. The focus will be on advancing sustainability practices, understanding the Green Claims Directive, promoting circular economy principles, and improving traceability and monitoring of certification schemes. Participants will gain insights into new tools developed within research projects and aimed at enhancing the sustainability of bio-based products.

Objectives

- Explore the current legislative and standardization landscape and prospects of bio-based products.
- Discussing the implications of the Green Claims Directive on the market
- Presenting new tools to enhance sustainability of bio-based products.
- Foster collaboration among sector stakeholders.

Programme

10.00-10.15 Welcome and Opening

Claudio Perissinotti Bisoni & Viviana Buscemi – Technical Project Managers, UNI

Current Landscape of Bio-Based Products: from the legislation to the users

10.15-11.00 *A landscape for Bio-based products: what are the EU priorities that the sector should expect?*

Carlo Brondi, Researcher STIIMA-CNR

11.00-11.15 *Green Claims Directive & environmental certifications*

Davide Zaniboni, Sustainability specialist Accredia

11.15-11.30 *The analysis of bio-based fashion materials towards SCAR spectrometry: a weapon against green-washing*

Gustavo Adrián Defeo, Vice president CTC ARS Tintoria SRL, Chairman IULTCS - IUF / IUP commissions, Convenor CEN TC289 WG2 and WG3

New tools from research projects

11.30-11.50 [BioReCer](#)

A standardization toolkit to enhance the sustainability of bio-based products

Cristina Di Maria, R&I Project Manager UNI

Circular Economy & Zero Pollution: the importance of the sludge traceability and the Italian contribution to Horizon Europe BioReCer

Francesco Fatone, Full Professor of Chemical - Environmental Engineering & Elisa Blumenthal PhD student, Università Politecnica delle Marche

11.50-12.10 [BIORADAR](#)

Monitoring system of the environmental and social sustainability and circularity of industrial bio-based systems

Emad Yaghmaei, Senior Researcher TU Delft & Consultant in YAGHMA

Available tools to measure circular performance of bio-based products

Hasler Iglesias, Environmental R&D Researcher CETENMA

12.10-12.30 [Star4bbs](#) | *Sustainability Transition Assessment Rules for Bio-Based Systems*

Luana Ladu, Research Fellow at the Chair of Innovation Economics, Technische Universität Berlin

12.0-12.45 [ambience](#) | *Advanced manufacturing of biobased products for urban outdoor applications: a circular approach*

Giulio Gianfelici, Technology and Innovation Advisor, CRIT Srl; Risk Manager in AMBIANCE

12.45-12.55 Q&A

12.55-13.00 Closing Remarks

Cristina Di Maria, R&I Project Manager, UNI