



18th International Conference on
Sustainable Energy & Environmental Protection
University of Rome Tor Vergata - Faculty of Engineering - Rome 20th-23rd July 2026



Symposium

**WASTE AS A RESOURCE: INTEGRATED TECHNOLOGIES FOR
MATERIAL AND SUSTAINABLE ENERGY RECOVERY**

21th July 2026

MODULO DI ISCRIZIONE AL SIMPOSIO

Dati del partecipante

Cognome: _____

Nome: _____

Società: _____

E-mail: _____

Consenso e dichiarazione

Il/La sottoscritto/a dichiara che i dati forniti sono corretti e completi e si impegna a partecipare all'evento grazie al supporto di ATIA ISWA ITALIA, Università degli Studi di Roma "Tor Vergata, Secit Srl, HerAmbiente S.p.A. ed ai relatori e alle Società relatrici, senza alcun versamento di quote di partecipazione.

Data: ____ / ____ / ____

Firma del partecipante:

Sponsor dell'evento



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Symposium

WASTE AS A RESOURCE: INTEGRATED TECHNOLOGIES FOR MATERIAL AND SUSTAINABLE ENERGY RECOVERY

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The symposium of SEEP 2026 is organized with ATIA ISWA Italia and focuses on advanced, integrated approaches to waste management that transform heterogeneous waste streams into valuable materials and sustainable energy carriers. Emphasis is placed on circular economy strategies, hybrid waste-to-energy systems, and emerging technologies such as AI-based sorting, chemical recycling, anaerobic digestion, and thermochemical conversion. The session brings together policymakers, researchers, and industrial stakeholders to examine technological readiness, scalability, sustainability performance, and regulatory challenges in closing material and energy loops. The day-long symposium aims to provide an up-to-date view of the potential of the waste-energy-material nexus. Participants will gain actionable insights into emerging waste management technologies and have opportunities to network and collaborate on future projects.

10.30 -11.00 - WELCOME SPEECHES

Renato Baciocchi - University of Rome Tor Vergata – Vice-Rector for Technology Transfer
Paolo Massarini - ATIA ISWA ITALIA - President
Stefano Cordiner - SEEP 2026 Chairman

11.00 - 11.45 - EU POLICY ON CIRCULAR ECONOMY AND SUSTAINABLE – Chair: **G. Costa**

EU Policy

Annalisa Corrado – Europarlamentare*

The circular economy act

Filippo Brandolini – Gruppo Hera S.p.A.

The implementation of Community policy in Italy

Elisabetta Perrotta – Assoambiente



11.45 - 12.45 - AI SYSTEMS APPLIED TO THE WASTE TREATMENT – Chair: **S. Gallo**

Principles and criteria of AI systems applied to waste and energy management

Davide Pinna – A2A SpA

AI applied to Combustion Technologies for Waste Treatment: Latest Developments

Simone Malvezzi – A2A SpA



COMPANY EXPERIENCES: TOMRA Sorting Solution AS * ; SECIT S.p.A. – Andrea Eleuteri; Stadler Italia S.r.l. – Pietro Navarotto

12.45 Lunch Break

14.00 - 15.00 - VALORIZATION AND ENERGY RECOVERY FROM BIO-WASTE – Chair: **A. Eleuteri**

Connecting Urban to Rural Area: the Recovery of Organic Waste Producing Biofertilizers and Promoting a Sustainable Circular Economy in Agriculture

Fabrizio Adani – Università degli Studi di Milano - DiSAA

Integrated treatment plants for OFMSW and the recovery of biomethane and

Alberto Confalonieri – Consorzio Italiano Compostatori (CIC)



COMPANY EXPERIENCES: ACQUA E SOLE – Miriam Parmigiani; AMA S.p.A. – Simone Proietti;

15.00 Coffee Break

15.30 - 16.30 - THERMAL CHEMICAL RECYCLING FOR THE CONVERSION OF PLASTIC AND/OR MIXED WASTE AND INTEGRATED HYBRID PLANTS – Chair: **L. Bartolucci**

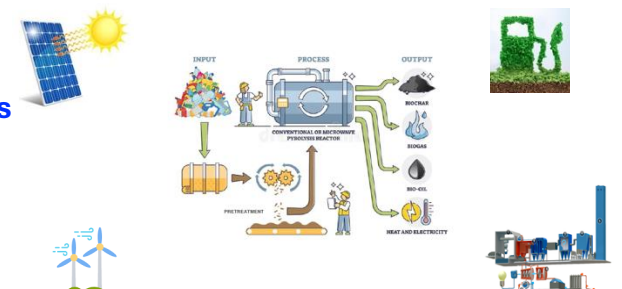
Gasification of plastic waste, a potential route to chemical recycling: producing low-carbon fuel

Andrea Di Carlo – Università dell'Aquila

Thermochemical conversion of plastic wastes and possible strategies for complex feedstock streams

Davide Sorino – Università di Roma Tor Vergata

COMPANY EXPERIENCES: Herambiente S.p.A. – Daniele Biondi; INVECO S.r.l. *



16.30 CLOSING OF THE SYMPOSIUM

Stefano Cordiner - SEEP 2026 Chairman

*(in attesa di conferma)