



## Symposium

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

21<sup>th</sup> July 2026

*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

**Andrea Eleuteri** - SECIT S.p.A.

**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** – Presidente HerAmbiente 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

**Luca Cadei** – A2A SpA

##### AI applied to Combustion Technologies for Waste Treatment: Latest Developments

**Simone Malvezzi** – A2A SpA



**COMPANY EXPERIENCES:** TOMRA Sorting Solution AS; 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;

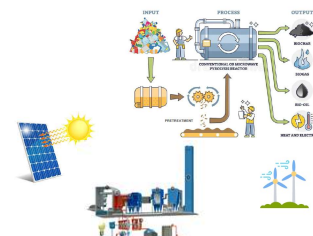
#### 15.00 - 16.00 - THERMAL CHEMICAL RECYCLING FOR THE CONVERSION OF PLASTIC AND/OR MIXED WASTE AND INTEGRATED HYBRID PLANTS – Chair: L. Bartolucci

##### 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. – Jacopo Ortolani; INVECO S.r.l. – Andrea Girelli, Marcopolo Environmental Group – Domenico Giraudo



#### 16.00 CLOSING OF THE SYMPOSIUM

**Stefano Cordiner** - SEEP 2026 Chairman

\*(in attesa di conferma)

#### 16.30 Coffee Break