# 25th World Congress and Expo on Recycling and Renewable Energy

 March 26–27, 2026
 Rome, Italy

---

# Day 1 – March 26, 2026

**Theme: Advanced Recycling Technologies & Circular Economy Innovations**

### 08:00 – 09:00

Registration & Welcome Coffee

### 09:00 – 09:20

Opening Ceremony & Welcome Address

### 09:20 – 10:00

 **Keynote Session I**
*"Next-Generation Circular Economy Models for Global Sustainability"*

### 10:00 – 11:30

### Oral Presentations – Session I

**Topic Focus: Advanced Recycling Technologies**

1. AI-Driven Plastic Sorting Systems for High-Efficiency Material Recovery
2. Chemical Recycling of Multi-Layer Plastics Using Catalytic Depolymerization
3. Closed-Loop Lithium-Ion Battery Recycling Technologies
4. Bio-Based Solvents in E-Waste Metal Recovery
5. High-Throughput Waste-to-Resource Conversion Systems

### 11:30 – 11:45

Refreshment Break

### 11:45 – 13:15

### Oral Presentations – Session II

**Topic Focus: Renewable Energy Integration in Waste Management**
6. Solar-Powered Smart Recycling Plants

7. Hydrogen Production from Municipal Solid Waste
8. Biogas Upgradation Technologies for Grid Injection
9. AI Optimization in Wind-Solar Hybrid Systems
10. Waste Heat Recovery in Industrial Recycling Units

**13:15 – 14:15**

 Lunch Break

**14:15 – 15:30**

### **Poster Session & Networking**

Topics include:

- Microplastic Mitigation Technologies
- Carbon Capture in Recycling Plants
- Sustainable Packaging Innovations
- Biomass Conversion Advances
- Green Construction from Recycled Materials

**15:30 – 16:45**

### **Oral Presentations – Session III**

**Topic Focus: Sustainable Materials & Circular Innovations**
11. Advanced Polymer Reprocessing for Zero-Waste Manufacturing
12. Circular Design Strategies in Electronics Industry
13. Carbon-Neutral Cement from Recycled Aggregates
14. Life Cycle Assessment of Next-Gen Biofuels
15. Smart Sensors for Waste Stream Monitoring

**16:45 – 17:30**

### **Workshop I**

**"Implementing Circular Economy Strategies in Urban Infrastructure"**

**17:30**

Closing Remarks – Day 1

---

# Day 2 – March 27, 2026

**Theme: Renewable Energy Breakthroughs & Sustainable Resource Management**

**09:00 – 09:30**

Morning Coffee & Networking

**09:30 – 10:10**

 **Keynote Session II**
*"Global Renewable Energy Trends 2026: Policy, Innovation & Investment"*

**10:10 – 11:40**

## Oral Presentations – Session IV

**Topic Focus: Solar, Wind & Hydrogen Innovations**

1. Perovskite Solar Cells with Enhanced Stability
2. Offshore Floating Wind Turbine Optimization
3. Green Hydrogen Storage Materials
4. AI-Based Energy Forecasting Systems
5. Next-Generation Grid-Scale Battery Technologies

**11:40 – 11:55**

Refreshment Break

**11:55 – 13:25**

## Oral Presentations – Session V

**Topic Focus: Bioenergy & Waste-to-Energy Systems**
6. Advanced Anaerobic Digestion Models
7. Pyrolysis of Plastic Waste for Clean Fuel Production
8. Algae-Based Biofuel Commercialization Strategies
9. Smart Waste-to-Energy Plants with Emission Control
10. Integration of Carbon Capture in Biomass Power Plants

**13:25 – 14:15**

Lunch Break

**14:15 – 15:00**

## Poster Session – Part II & Expo Interaction

**15:00 – 16:15**

## Oral Presentations – Session VI

**Topic Focus: Smart Grids & Sustainable Energy Systems**
11. Blockchain Applications in Renewable Energy Trading
12. Decentralized Microgrids for Rural Electrification
13. Energy Storage Innovations Using Recycled Materials
14. Digital Twins in Renewable Energy Asset Management
15. Carbon-Neutral Cities Powered by 100% Renewables

## 16:15 – 17:00

## □ Workshop II

**"Financing Large-Scale Renewable Energy Projects in Emerging Economies"**

## 17:00 – 17:30

**□ Award Ceremony & Closing Session**

- Best Keynote Award
- Best Oral Presentation Award
- Best Poster Award
- Young Researcher Award
- Excellence in Sustainable Innovation Award

## 17:30

Conference Closing & Vote of Thanks