Circularity in Practice: Water, Energy and Materials for a Resilient Future

Location: **National R&D Institute for Industrial Ecology-ECOIND headquarter, 57-73 Drumul Podu Dambovitei, 060652, district 6, Bucharest, Romania, Conference room**

28 October 2026

9:30 – 11:00	**Visit of ECOIND headquarters**
11:00 – 12:00	**Consortium General Assembly Meeting**
12:00 – 12:15	**Coffee break**
12:15 – 13:15	**Executive Board / Project Management Meeting**
13:15 – 14:15	**Lunch**
14:15 – 15:15	**Steering Committee / Workpackage Leaders Group Meeting**
19:00 – 21:00	**Dinner**

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Circularity in Practice: Water, Energy and Materials for a Resilient Future

Location: **Library of the Romanian Academy in Bucharest, 125 Calea Victoriei, 010071, district 1, Bucharest, Romania, Main Event Hall**

Online: us06web.zoom.us/j/89583414041?pwd=4l1wdtnxaYqnItRmuA5MBQoOk3DET0.1

29 October 2026

11:45 – 11:50	**Opening Sessions**

Session 1: Building Synergies: Circular Economy Regulation and Collaborative Project Insights

11:50 – 12:10	**From Compliance to Impact: How Circular Economy Policies Shape Sustainable Innovation – Legislative Trends and Industry Initiatives** Dr. Andra Onaş, RUCODEM, Romania
12:10 – 12:30	**NANOEMCA: Bridging Advanced Nanomaterials and Environmental Research** Dr. Claudia Maria Simionescu, National University of Science & Technology POLITEHNICA Bucharest, Romania
12:30 – 12:50	**Research mobility as a bridge to intersectoral collaboration: The ERA SHUTTLE experience** Dr. Anna Wcisło, University of Gdańsk, Poland

Session 2: Sustainable Solutions for Environmental Safety

12:50 – 13:10	**Implementing Safe-and-Sustainable-by-Design (SSbD) Principles in the Formulation of Bio-Based Products** Dr. Uroš Novak, National Institute of Chemistry (NIC), Slovenia
13:10 – 13:30	**Biopolymer-Based Microencapsulation: Towards Sustainable Agriculture** Dr. António Aguiar, Instituto Superior Técnico, University of Lisbon, Portugal
13:30 – 14:20	**Lunch break & Networking Session**

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Continue Session 2: Sustainable Solutions for Environmental Safety

14:20 – 14:40	**Near-Infrared Reflective Pigments for Exterior coatings: A Review of Cooling Performance and Environmental Impacts** Dr. Mirica Karlovits, National Institute of Chemistry (NIC), Slovenia
14:40 – 15:00	**New eco-friendly materials design for Proto-Opto-Electro-Mechanical devices** CS I Dr. habil. Mihai Niţă-Lazăr, National R&D Institute for Industrial Ecology-ECOIND, Romania

Session 3: Talent Pass in Action: Secondees & Trainees

15:00 – 15:15	**From Natural Polymers to Magnetic Functional Materials: Sustainable Solutions for Wastewater Treatment** Dr. Andra Enache, Petru Poni Institute of Macromolecular Chemistry (ICMPP), Romania
15:15 – 15:30	**Optimisation and Scalability of Metal-Pillared Clays for Industrial CO_2 Capture in the Cement Sector** Dr. Tânia Frade, Instituto Superior Técnico, University of Lisbon, Portugal
15:30 – 15:45	**Microplastic-associated organic contaminants in the Black Sea coastal environment: occurrence of OPFRs, PFAS and Bisphenols** Drd. Ioana-Antonia Mînzar, National R&D Institute for Industrial Ecology-ECOIND, Romania
15:45 – 16:00	**Mathematical modelling of odorous air pollutant dispersion using AERMOD: from national industrial case studies to international simulations through the Talent Pass programme** Drd. Cristian Constantin, National R&D Institute for Industrial Ecology-ECOIND, Romania
	Closing 1st day Sessions

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30 October 2026

Session 1: Advances in Green Materials and Chemical Processes

11:35 – 11:55	**Ecofriendly Hydrogels – the new frontier in sustainable agriculture** Dr. Daniela Ivanov, Petru Poni Institute of Molecular Chemistry (ICMPP), Romania
11:55 – 12:15	**Center of Excellence in Water Management and Valorization of Materials, By-products, and Waste for the Implementation of the Circular Bioeconomy** CS I Dr. Eng. Gabriela Geanina Vasile, National R&D Institute for Industrial Ecology-ECOIND, Romania
12:15 – 12:35	**Synthesis of Sodium Carbonate by the CODA Method** Dr. Claudia Popescu, Chimcomplex SA, Romania
12:35 – 12:55	**From Insect Biomass to Sustainable Chitosan: Circular Materials and Green Metrics for Biowaste Valorisation** Dr. Ana Paula Ribeiro, Instituto Superior Técnico, University of Lisbon, Portugal
12:55 – 13:40	**Lunch break & Networking Session**

Session 2: Talent Pass in Action: Secondees & Trainees

13:40 – 13:55	**Antarctic Nanoworlds: Decoding Glacial Diatoms through Advanced Microscopy** Dr. Ioana Alexandra Ionescu, National R&D Institute for Industrial Ecology-ECOIND, Romania
13:55 – 14:10	**CO_2 Capture from Cement Industry by PSA Processes with Pillared Clays as Adsorbent** Dr. Abeer Mohtar, Instituto Superior Técnico, University of Lisbon, Portugal
14:10 – 14:25	**Exploring the Potential Biodegradation of Selected Perfluoroalkyl Carboxylic Acids in Biologically Active Wastewater** Drd. Victor Cojocaru, National R&D Institute for Industrial Ecology-ECOIND, Romania
14:25 – 14:40	**Noise Attenuation by Natural Barriers: A Study Case on Weather-Dependent Propagation** Dorin Babeu, National R&D Institute for Industrial Ecology-ECOIND, Romania
	Closing Talent Pass workshop Sessions

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