



HELLENIC SOCIETY
for Circular Economy

CIRCULAR economy

the pathway towards a Sustainable Development

12-13
September
2024

Convention Center
"Mikis Theodorakis"
Old port of Chania
Greece
MORE INFORMATION:
hscce.gr



Organizers



Wednesday September 11	RESIDENCE – MUSEUM «ELEFTHERIOS K. VENIZELOS» (in Chalepa)	
	17:30 - 20:30	Welcome reception + Registration

Oral presentation (15 min): 12 min talk + 2 min Q&A + 1 min buffer (Speaker change)

Thursday September 12	MAIN HALL	ROOM 1
08:00 - 09:00	Registration (lobby area)	
PLENARY SESSION		
Chair: Alexandros Stefanakis & Ioannis Nikolaou		
09:00 - 09:15	CONFERENCE OPENING AND WELCOME Alexandros Stefanakis	
09:15 - 10:00	KEYNOTE: Circular business: transitioning towards regenerative and sufficiency-oriented business models Nancy Bocken (Maastricht University, The Netherlands)	
10:00 - 10:45	KEYNOTE: Towards a global circular economy Ilektra Kouloumpi (International Senior Expert, The Netherlands / Greece)	
10:45 - 11:05	Coffe break (lobby area)	
	Session A1: Sustainable Entrepreneurship and circular economy Chair: Ioannis Nikolaou & Myrto-Maria Sapouna	Session A2: Developing circular economy policies Chair: Vasileios Rizos & Gaetano Di Mino
11:05 - 11:20	(A106) SMEs' Willingness to Switch to Sustainable Production Systems: A Risk Behaviour Approach Nikos Kalogeras (The Netherlands)	(A61) A network analysis of the coherence in the EU circular economy policy mix Vasileios Rizos (Belgium)
11:20 - 11:35	(A42) Circular Economy Reporting in Italy and Germany: Are Top-Listed Companies Proactive Compliant with the Corporate Sustainability Reporting Directive? Giorgio Mion (Italy)	(A76) Target Setting in Waste Law: An Example of End-of-Life Wind Turbine Blades Ma Sai (United Kingdom)
11:35 - 11:50	(A121) Corporate sustainability and circular economy: state of the art - some future thoughts Ioannis Nikolaou (Greece)	(A32) Resource efficiency and climate change policies to support West Asia's move towards sustainability George Verikios (Australia)
11:50 - 12:05	(A33) Sustainable Entrepreneurship and COVID-19: A Multi-level Framework Alain Daou (Cyprus)	(A49) Circular Economy Strategies in European Capitals Lourenço Booth (Portugal)
12:05 - 12:20	(A109) Circular economy and ESG strategies in Healthcare Sector Fotios Rizos (Greece)	(A14) Investigating the formulation and implementation of circular economy policies in the EU regional context – a policy Delphi study Sanja Arsova (Greece)
12:20 - 13:30	Lunch time!	
	Session A3: Circular business models Chair: Marco Aurisicchio & Donald Nwonu	Session A4: Circular economy and consumer behaviour Chair: Christina Chroni & Nikos Kalogeras
13:30 - 13:45	(A95) Unravelling a Circular Business Scorecard to Measure Circular Business Models Andrea Urbinati - Rodrigo Bruno Santolin (Italy)	(A12) Circular Economy Behavior and Sustainable Health Care Anastasios Sepetis (Greece)
13:45 - 14:00	(A06) When the Value Communication of Circular Business Models Gets in the Way of Sustainability Corentin Juin (France)	(A80) How to support designers to understand and influence behaviors of users of Product-as-a-service solutions for environmental sustainability and circularity? Abhijna Neramballi (Sweden)
14:00 - 14:15	(A48) Accelerating Change: How applying responsible innovation concept drives business toward a circular economy Agata Sudolska (Poland)	(A98) Can engineers' choices and behavior be compatible with sustainable development? Avshalom Adam (Israel)
14:15 - 14:30	(A63) A Participatory Circular Economy Decision-Making Framework to Build Regional Circular Wind Industries Hui Li (United Kingdom)	(A105) Consumers' Perceptions of Sustainability, Consumption Decisions and Greenwashing Margarita Robaina (Portugal)
14:30 - 14:45	(A68) Circular Economy in Forestry: Business Models for Optimising Biomass Utilisation in Baltic Sea Region Paulina Marcinek (Poland)	(A104) Preliminary study on post-consumer waste of vaping and heated tobacco products in Greece Christina Chroni (Greece)
14:45 - 15:00	(A87) Factors influencing the repair of small household electrical and electronic products Marco Aurisicchio (United Kingdom)	(A35) Understanding stakeholder roles in soil improvers sector Magdalena Andrunik (Poland)
15:00 - 15:15	(A75) Reducing food waste through AI-based waste-tracking devices in a five-star all-inclusive Hotel in Greece Katia Lazaridi (Greece)	(A22) Sharing economy as part of the circular economy. How ready are Greek consumers? Marios Trigkas (Greece)
15:15 - 16:00	Coffe break (lobby area) & Poster viewing	
	Session A5: Waste management in circular economy I Chair: Panagiotis Regkouzas & Isaac Meir	Session A6: Life Cycle Assessment and Business Sustainability Chair: Hui Li & Manuela D'Eusanio
16:00 - 16:15	(A28) Assessment of plastic medical waste management using circular economy model Stavroula S. Vlassaki (Greece)	(A30) Organizational Life Cycle Assessment: Insights and Case Study in the fashion industry Marco Liscio (Italy)
16:15 - 16:30	(A24) When waste turns to resource. On a novel agro-industrial drylands project Isaac Meir (Israel)	(A108) Circular Economy & implementation of LCC methods in Healthcare Fotios Rizos (Greece)
16:30 - 16:45	(A79) Polyvinyl chloride from construction and demolition waste in a circular economy Franziska Ludwig (Germany)	(A111) Circular economy and the challenges of the energy transition of the European economies Magdalena Rybczewska-Błazejowska (Poland)
16:45 - 17:00	(A117) Remediation project - a circular approach for the management of olive mill waste using nature-based solutions Eirini Athanasiadou (Greece)	(A92) Are circular practices always environmentally sustainable? Konstantinos Mantalovas (Italy)
17:00 - 17:15	(A110) Circular economy and the example of olive residues to a new value proposition Athanasios Makios (Greece)	(A94) Enhancing life cycle analysis of residential settlement structures through modularity of building and infrastructure parameters Jana Hack (Germany)
17:15 - 17:30	(A41) Technological consequences of waste management transition Róbert Fejes (Hungary)	(A102) Calculation of carbon emissions during repair using hybrid manufacturing Panagiotis Stavropoulos (Greece)
17:30 - 17:45	(A116) Biochar production from organic waste: exemplary applications of a circular product Panagiotis Regkouzas (Greece)	(A53) An effective paradigm of circular bioeconomy in a rural context: Assessing the utilization of residual fruit pomace as a raw material for the production of bio-based soil amendments Stamatia Skoutida (Greece)
19:30 - ...	Conference dinner: NAMFI Restaurant in Marathi	

Friday September 13	MAIN HALL	ROOM 1
	Session B1: Circular water economy Chair: Amir Gholipour & Eirini Athanasiadou	Session B2: Circular economy in the industry for value creation Chair: Rebecca Earley & Ioannis Arzoumanidis
08:45 - 09:00	(A118) WETCIRC project - circular wastewater management using nature-based solutions Emmanouela Karefylaki (Greece)	(A57) Circular Industry 5.0: Towards the Regenerative-Dominant (R-D) Logic of Value Creation Enes Ünal (United Kingdom)
09:00 - 09:15	(A84) IT Tools for optimising water reuse for a supporting transition to Circular Economy Dominika Szoldrowska (Poland)	(A58) The circular economy model in the context of natural resource-endowed peripheries of old industrialised economies: Current State and Future Prospects Cali Nuur (Sweden)
09:15 - 09:30	(A70) Innovative Water and Nutrient Recycling in Urban and Rural Settings: Insights from HYDROUSA and HOUSEFUL Projects Johannes Kisser (Greece)	(A40) Driving transformative change: A whole system approach for the UK foundation industries Donald Nwonu (United Kingdom)
09:30 - 09:45	(A115) A circular management model for sewage sludge using ecological engineering Ioannis Asimakoulas (Greece)	(A20) Making Circular Design Guidelines: Reflections on a longitudinal practice research project which strategically explored sustainable, circular, local and biobased textile/fashion narratives Rebecca Earley (United Kingdom)
09:45 - 10:00	(A08) A review on sludge treatment reed bed technology and potential system improvement via earthworm Amir Gholipour (Portugal)	(A51) Circularity in the Danish modern chair design Aroop Ratan Guha (Denmark)
10:00 - 10:15	(A89) Sludge Management Plan of Wastewater Treatment Plants in Kosovo – Sustainable Practices of Sludge Reuse Lavdim Osmanaj (Kosovo)	(A11) Investigating and overcoming institutional barriers to a circular economy in tourism – an interpretive structural modeling approach Pinosh Kumar Hajoary (India)
10:15 - 10:30	(A120) Constructed wetland case studies for circular wastewater treatment and reuse Alexandros Stefanakis (Greece)	
10:30 - 10:50	Coffe break (lobby area) ☕	
	Session B3: Materials in circular economy Chair: Georgios Triantafyllidis & Marinella Passarella	Session B4: Circular bioeconomy Chair: Ali Mohammadi & Ioannis Asimakoulas
10:50 - 11:05	(A09) Ambitions of the IMMERSE Project - Immersive Virtual Tours on Critical Minerals for Clean Energy Transitions Shima Hajinia Leilabadi (Germany)	(A37) Sustainable Valorization of Wood Residues through Biorefinery Processes: Environmental and Economic Benefits Ali Mohammadi (Sweden)
11:05 - 11:20	(A47) Dashboard for the criticality of raw material, the recyclability and the dependence of the supply chain Tobias Hoiten (Germany)	(A52) A Comprehensive Framework for Wood Waste Cascade Valorisation Akrivi Korba (Greece)
11:20 - 11:35	(A55) Information-Driven Processes for Circular Material Reuse in Construction: Digital Technologies and Challenges Li Jiang (The Netherlands)	(A97) Setup of a low-cost solid state fermentation system as a bioeconomy management approach for orange processing waste Ioannis Stavrakakis (Greece)
11:35 - 11:50	(A66) BIM to GIS: Multi-Criteria Queries for Material Tracking in Circular Built Environments Georgios Triantafyllidis (Norway)	(A29) Techno-economic feasibility of hydrogen production from rice straw biorefineries Ioanna Dimitriou (United Kingdom)
11:50 - 12:05	(A71) Advancing Circular Economy in the Construction Sector through Systemic Innovations: The KRAISBAU Project Johannes Kisser (Greece)	(A88) Evaluation of the potential of greenhouse residual green biomass to be used for biogas production Katerina Stamatelatou (Greece)
12:05 - 12:20	(A18) A Circular Economy for Polyurethanes: A Practitioners' Perspective Felix Carl Schultz (Germany)	(A26) A Review of the Potential of Macroalgae Biomass Exploitation using Life Cycle Assessment Christos Nikoloudakis (Greece)
12:20 - 13:45	Lunch time! 🕒	
13:45 - 14:30	KEYNOTE: Going circular in Greece: Introducing the financial tools of Green Fund and the LIFE Programme Dimitris Banousis (Greek LIFE Task Force plus, Green Fund Greece)	
	Session B5: Circular innovation for clean technologies Chair: Alexandros Stefanakis & Ioanna Dimitriou	Session B6: Waste management in circular economy II Chair: Katia Lasaridi & Athanasios Polyportis
14:30 - 14:45	(A122) Approaching energy poverty through the lens of renewable energy integration - a path towards sustainability Thomas Kourkounas (Greece)	(A39) Nickel accumulation method investigation with <i>Tagetes erecta</i> (marigold) in climate chamber Eliza Tóth (Hungary)
14:45 - 15:00	(A31) Optimizing Electric Vehicles: A Comparative Assessment of Supercapacitors and Batteries Salik Ahmed (Belgium)	(A72) Innovative Strategies for Ocean Plastic Reduction: The REMEDIES Project's Circular Solutions and Community Engagement Johannes Kisser (Greece)
15:00 - 15:15	(A119) Innovative technologies for potable water production in water-stressed areas: fog harvesting and solar desalination projects Alexandros Stefanakis (Greece)	(A91) Identifying food waste generation hotspots on passenger vessels in the Mediterranean Sea Evangelia Sigala (Greece)
15:15 - 15:30	(A38) Implementing Circular Economy in Slovak Enterprises: Technologies and Barriers Juraj Šebo (Slovakia)	(A59) Including Circular Economy Waste Measures in the Climate Mitigation Mix Dana Iliescu (Romania)
15:30 - 15:45	(A83) Designing Circular Supply Chains: A Requirements-Driven and CE-Centred System Design Methodology Marco Aurisicchio (United Kingdom)	(A67) The influence of education on the recycling rate Alina Florentina Gheorghe (Romania)
15:45 - 16:00	(A100) Sustainable Logistics for the Used Clothing Sector Jules Verheesen (The Netherlands)	(A54) SORT4CIRCLE® - Increasing Quality and Efficiency of Plastic Sorting, A key innovation for the Circular Economy Timo Radtke (Germany)
16:00 - 16:30	Coffe break (lobby area) & Poster viewing ☕	
	Session B7: Circular built environment Chair: Johannes Kisser & Magdalena Rybaczewska-Błażejowska	Session B8: Social aspects of circular economy Chair: Martina Mariani & Enes Ünal
16:30 - 16:45	(A27) Envisioning Sustainable Futures as Networks of Circular Economy Villages Steven Liaros (Australia)	(A62) Circular Economy and Social Engagement in Hubs for Circularity: A European Partnership Michael Kohlgrüber (Germany)
16:45 - 17:00	(A74) Circularity Hubs for Vienna: Integrating Circular Economy in Urban Resource Management Helen Dolinšek (Austria)	(A56) Socio-economic impacts of circular economy implementation in agri-food sector: a systematic literature review Martina Mariani (Italy)
17:00 - 17:15	(A36) Paving the way for a circular transition of cities Eleni Feleki (Greece)	(A123) Circular Mediterranean diet: rethinking our food system Emmanuel Stefanakis (USA)
17:15 - 17:30	(A69) Heat Risk Reduction Guidelines: Innovative Strategies for Urban Cooling in Athens Johannes Kisser (Greece)	(A65) The impact of the circular transition on port employment Lynn Faut (Belgium)
17:30 - 17:45	(A46) A generic framework for circular reconstruction of post-disaster territory: core elements and adequate Re-X strategies model Tetiana Shevchenko (France)	(A114) A study of environmental impact and Circular Economy in Greek Ports Antonis Proimos (Greece)
17:45 - 18:00	(A113) The REMED project for implementing the Circular Economy in the road construction sector Gaetano Di Mino (Italy)	(A50) Transitioning to a Just and Inclusive Circular textile value chain, evidence from ten business case studies from India, Spain, and the Netherlands Lis J. Suarez-Visbal (The Netherlands)
18:00 - 18:15	(A78) Artificial Intelligence responses for tackling climate change mitigation in infrastructures Styliani Vatali (Greece)	(A34) How espresso meets goat yoghurt within the circular economy concept Glykeria Karagouni (Greece)
18:15 - 18:45	DISCUSSION PANEL & CLOSING SESSION	

LIST OF POSTERS		
NAME	COUNTRY	POSTER TITLE
Athanasios Polypartis	The Netherlands	(P101) Triple Change for sustainable food systems: propositions from the CUES project
Marinella Passarella	Austria	(P102) Assessing the Sustainability & Circularity of Lithium Mining Projects in Portugal
Manuela D'Eusario	Italy	(P103) What is the role of Social Life Cycle Assessment within the context of Safe and Sustainable-by-Design? An explorative study
Ioannis Arzoumanidis	Italy	(P104) Measuring circularity and sustainability in Italian agri-food systems: the CIRCULAGRIS project
Tomas Kenny	Ireland	(P105) Industry 4.0 enabled Circular Economy for Sustainable Supply Chain Performance: a bibliometric analysis
Evangelos Karlopoulos	Greece	(P106) Sustainable, circular, and just transition of coal-dependent regions: A conceptual framework for post-mining land use selection
Donald Nwonu	United Kingdom	(P107) From debris to structures: Towards a more circular use of end-of-life concrete
Ioannis Daskaloudis	Greece	(P108) Startup of a pilot scale anaerobic digester feeding with high percentage of olive mill waste and application of digestate recirculation
Barbara Dutka	Poland	(P109) Research on building materials based on anthropogenic waste to meet the goals of the zero waste strategy
Anikó Reider	Hungary	(P110) Influencing factors of selective waste collection in a university community
Christof Strohhofer	Germany	(P111) Evaluating detection robustness of a fluorescence fingerprint based identification and tracking technology for product passports
Rebecca Earley	United Kingdom	(P112) BITTERSWEET SHIRTS: Combining AI, digital print & hand making processes to inform guidelines for circular, local & urban textile/clothing design processes
Dana Iliescu	Romania	(P113) Including Circular Economy Waste Measures in the Climate Mitigation Mix
Mohamed Eldessouki	Austria	(P114) Nature-Based Solutions for Climate-Resilient Infrastructure
Valia Christouli	Greece	(P115) Food Upcycling of Spent Brewery Grain
Re Ilaria	Austria	(P116) Industrial-Rural-Urban Symbiosis: Enhancing Resource Exchange through the SYMBIO Project
Kinga M. Berta	Hungary	(P117) Sustainable waste management in university environment: biowaste recovery
Stavroula Panagiotidou	Greece	(P118) Towards Circular Hydrogen Production: Pine Sawdust and Industrial Waste Materials for Sustainable Energy Generation
Sotirios Karetzos	Greece	(P119) Blockchain-based Traceability Solutions in Fisheries: Insights from Greece
Myrto-Maria Sapouna	The Netherlands	(P120) Exploring CSRD Influence on Green Innovation among Greek Listed Companies towards Sustainable Business Models
Mosbeh Kaloop	Czech Republic	(P121) Natural Based Solutions for Infrastructures: Framework for Planning and Assessment
Eirini Zkeri	Greece	(P122) Solar distillation of olive pulp derived from a two-phase olive mill using pitted olives for the production of recycled water and solid biofuel
Panagiotis Stavropoulos	Greece	(P123) Green Strategies KPIs applied in Manufacturing Processes
Ana Gomes	Portugal	(P124) A systematic review of consumer behaviours in the Circular Economy
Johannes Kissler	Austria	(P125) Advancing Circular Bioeconomy in Rural Areas: Insights from the FUTURAL Project