

7thCESUST2026

7th Symposium on Circular Economy and Sustainability

Tuesday, 23 Jun

Tuesday, 23 Jun

16:00 - 17:30 City tour
Room: City Hall, Stadhuis

Meeting point: https://maps.app.goo.gl/X14JByHs1PWUTwvn9?g_st=ac

18:00 - 19:30 Opening Welcome Reception
Room: Stadhuis

https://maps.app.goo.gl/X14JByHs1PWUTwvn9?g_st=ac

Wednesday, 24 Jun

8:00 - 9:00 Registration

(will remain open during coffee & lunch breaks)

9:00 - 9:30 Opening Session
Room: BR.1.21

7th Symposium on Circular Economy and Sustainability

9:30 - 11:00 Plenary Keynote Session
Chair: George Tsalidis
Room: BR.1.21

9:30 The future of governing circular economy
Jacqueline Cramer

10:30 European Network for Multiple View Life Cycle Sustainability Assessment (MultiViewLCSA)
Wei Wang

10:40 Cooperation, development and cross-border transfer of Industrial Symbiosis among industry and stakeholders (LIAISE)
Almudena Muñoz Puche

10:50 Academics for Circular Economy (ACE)
Priya Saikumar

11:00 - 11:30 Coffee Break

11:30 - 13:30 Parallel Sessions I

Circular Business Models I, co-organized with Academics for Circular Economy (ACE)

Chair: Julian Lauten-Weiss
Room: BR.1.32

11:30 The CE tool Library: an expanded literature review to deliver tailored, AI-powered CE toolkits.
Bart van Bueren, Martin Geissdoerfer

11:50 Verified Reuse as Infrastructure: Join the Loop and the Missing Layer in B2B Circular Packaging
Erick Wuestman, Christa Bakker

12:10 Hybrid Business Models as Transitional Arrangements: Negotiation Processes Across Product, Organisation And Ecosystem Levels In The Circular Transition Of The Interior And Office Furniture Industry
Franziska Erbe, Dr. Alexandra Palzkill-Vorbeck, Dominik Martin, Maike Demandt, Christina Klöpper

12:30 RE:Match.D: An Integrated Digital Matchmaking Methodology for Regional Circular Infrastructure Logistics
Marc van den Berg, Rob Bemthuis, Hans Voordijk

12:50 Collective Business Models for a Circular Maritime Hub
Deborah Tappi, Larissa van der Knaap

13:10 Institutionalizing Circular Transition Brokers: A Framework of Core and Contextual Conditions
Julian Lauten-Weiss

Regional Circular Economy and Sustainability

Chair: Lucia Corsini

Room: BR.B.26

- 11:30 Beyond Punishment: Forest Fire Regulation and Circular Environmental Governance in Portugal
Elisabete Ferreira
- 11:50 Driving Circular Economy in Sardinia: Biomass Valorization and Multi-Stakeholders Engagement
Sara D'Aniello, Cristina Cavicchioli, Nihad Salameh, Martina Schibeci, Ramoon Barros Lovate Temporim, Lucrezia Dominici, Francesca Drago
- 12:10 Reading Circularity at Scale: A Multi-Level NLP Analysis of Circular Economy Discourses in France
morgane Ramis, Vanessa Casadella
- 12:30 Analysis of Bioenergy Potentials for the Aegean Region of Türkiye
Merve Keser, Mürüvvet Deniz Sezer
- 12:50 Circular by Necessity: The case of Crete, Greece
Iosif Kapellakis
- 13:10 A System Dynamics Analysis of Circular Economy Transitions in Electrical and Electronics Equipment in the UK
Aya Abdelmeguid, Lucia Corsini

Renewable Energy and Sustainable Development

Chair: Massimo Gastaldi

Room: BR.1.21

- 11:50 Does energy insecurity shape green innovation? Empirical evidence from quantile regression
Manash Kumar Behera, Dr. Dukhabandhu Sahoo
- 12:10 White-Box Simulation & Impact Evaluation in H2-Integrated Hubs for Circularity
Savvas Papadopoulos, Acar Canan, Artur Pozarlik, Devrim Murat Yazan
- 12:30 Circular Economy Indicators for an Integrated Solar-Wind Hybrid Renewable Energy System in Nigeria
Nicole Bakker, Lucia Corsini
- 12:50 Advancing Circular Economy through Electric Vehicles: Insights from the Developing and Developed World
Hareem Arshad
- 13:10 Renewable Energy Communities and Energy Poverty: Towards an Inclusive and Sustainable Energy Transition
Massimo Gastaldi, Idiano D'Adamo, Lorenzo D'Agostino

13:30 - 14:30 Lunch Break

14:30 - 16:30 Parallel Sessions II

Sustainable Production and Consumption

Chair: Priya Saikumar

Room: BR.1.32

- 14:30 Hybrid Constructed Wetland Systems Integrating Advanced Treatment for Enhanced Water Efficiency: The CIRQUA Approach
Lazaros Pantelidis, Dimitra Matziri, Ioannis Stavrakakis, Nikolaos Remmas, Paraschos Melidis, Sophia A. Tsipas, George Tsiamis, Anastasios J. Tasiopoulos, Spyridon Ntougias
- 14:50 A Multi-Layered Analysis of Food Waste Management: Integrating Participatory Approaches and Behavioral Archetypes in Sevan Community, Armenia
Davit Markosyan, Sargis Gevorgyan, Harutyun Alpetyan
- 15:10 IoT-Enabled Remanufacturing: A Systematic Review of Barriers, Digital Responses, and Maturity of Application
Priya Saikumar, Erik Soerqvist, Lucia Corsini
- 15:30 Assessing Circularity and Sustainability of BIPVT Systems
Silu Bhochhibhoya, Eric Brugman, Ivar Bergmans, John van Oorschot

- 15:50 Life Cycle Costing of Circular Urban Mobility Solutions in the SMILE CITY Project
Eirini Gioti, *George Tsalidis*

Circular Economy Strategies

Chair: Dimitrios Dimitriou

Room: BR.B.26

- 14:30 Linking circularity and absolute sustainability: a methodological framework for comparing circular design strategies applied to a building case study
Zien Hussein, Enrico Benetto, Michael Saidani
- 14:50 From Circular Strategies to Circular Evaluation: Toward a Framework of Circular Value
Luca Vadacca, Marc van den Berg
- 15:10 Barriers and Drivers of Circular Economy Strategies in the Tourism Industry: A Stakeholder Perspective
Yeilan Ivette González Odio, José Luis Opazo Bunster
- 15:30 Circular Hospitality: Composting and On-Site Plant Biostimulant Production in Resorts
Dr. Jyoti Prakash, Dr. Urvashi Kumari
- 15:50 Integrating Sustainability into Trade and Investment Governance: Reconciling International Economic Regulatory Frameworks with Climate and Environmental Commitments
Dimitrios Dimitriou, Maria Sartzetaki, Aristi Karagkouni, Vasileios Benteriotis, Antonia Moutzouri

Integrated Waste Management: Recycling, Reuse, and Zero Waste Strategies I

Chair: Shayegheh Ashourizadeh

Room: BR.1.21

- 14:30 Policy, provision, and practice: How system conditions shape household bulky waste disposal outcomes
Amanda Young, Andrew Hursthouse, Ana Mat Said, Evi Viza
- 14:50 Motivating recycling behaviour: The role of deposit return systems and collection point design
Marie Hartmann-Meester, Elena Cavagnaro
- 15:10 End-of-Life resource recovery potential in different installation types of photovoltaic systems
Sandhya Thotakura, Kondamudi Srichandan
- 15:30 State of play regarding end-of waste criteria in Europe: Examples from selected European countries and recommendations for harmonization in Europe
Kristina Baillot, Yorick Wrausmann, Sébastien Mouret
- 15:50 Public Food Procurement and Food Waste Reduction: Integrating Food and Law to Implement Circularity
Raquel Carvalho
- 16:10 Circular Opportunity Enactment through External Enablement: Evidence from Indonesia's Plastic Waste Sector
Bagas Mukti Wibowo, Shayegheh Ashourizadeh, Mehrzad Saeedikiya

16:30 - 17:00 Coffee Break

17:00 - 19:00 Parallel Sessions III

Education for Circularity and Sustainable Development

Chair: Sinem Halli

Room: BR.1.32

- 17:00 How can we understand each other? The development of a competence framework for circularity and sustainability in higher education
Pia Ulvenblad, Anna M. Hansson, Senad Osmanovic
- 17:20 Gamifying Circular Economy: A User-Centric Evaluation Of A Mobile Learning Application
Selin Gökküt, Eymen Yağız Bozdağ
- 17:40 Education for circularity and environmental sustainability: BIP-ESkid+ meets Edu4PlastiC
Elena Cristina Rada, Grazia Ragazzi
- 18:00 OIKOASPIS: From Agricultural Waste to Building Solutions
Kiriaki Keramitsoglou, Alexia Chavouzoudi, Karolina Iakovidou

- 18:20 Training Students and Professionals with Sustainable Design from Vision to Action
Jeremy Faludi
- 18:40 Teaching Circular Economy Before Literacy: A Scoping Review of Wordless Comics and Silent Visual Narratives for Preschool Education
Sinem Halli, Konstantinos P. Tsagarakis

Sustainable Supply Chain Management I

Chair: Magdalena Muradin

Room: BR.B.26

- 17:00 Are ambition and credibility valid variables for sustainability analysis? An answer from the analysis of Aubin's feasibility theory applied to supply chains
Beatriz Real
- 17:20 Circular Economy as a pillar of Strategic Autonomy: Building resilient Supply Chains
Marco Bianchi, Ainara Garcia Uriarte
- 17:40 Institutional Drivers of Sustainable Product Innovation: Evidence from Manufacturing Firms in 36 Countries
Besnik Krasniqi, Liridon Kryeziu, Tringa Krasniqi, Mrika Kotorri
- 18:00 Supply Chain Analytics in Circular Economy Strategy: Implications for Corporate Performance Evaluation and Resilience
Dimitrios Dimitriou, Maria Sartzetaki, Aristi Karagkouni
- 18:20 Analysing Trust in Hubs for Circularity: An Agent-Based Approach
Yifei Yu, Aidana Tleuken, Patricia Rogetzer, Luca Fraccascia, Devrim Murat Yazan
- 18:40 Do circular economy indicators disclosed in sustainability reports signal organizational resilience? Evidence from the furniture industry.
Magdalena Muradin

Sustainable Economic Growth and Development

Chair: Konstantinos Giannakas

Room: BR.1.21

- 17:00 Rising heat, unequal cooling: Energy poverty, housing sustainability, and climate resilience in Southern Europe
Vivian Angeletopoulou, Eleni Sardanou, Dimitrios Damigos, Ioannis Kostakis
- 17:20 Mandatory Sustainability Reporting in Türkiye: Evidence from TSRS Disclosures and Implications for Corporate Transformation
Gözde Sağlam, Mert Güller
- 17:40 Techno-economic and environmental assessment of gypsum recycling: A case study from Germany
Laura Kruse, Bruna Mota, Ali Abdelshafy, Grit Walther
- 18:00 Listening for Lies: Do Fraudulent Managers Speak Differently?
Daria Wijler, Mieke Jans, Ann Vanstraelen
- 18:20 Economic performances of sustainable firms during turmoil phases
Joran Douhard
- 18:40 Advancing Circularity: Challenges and Opportunities in the Global North and Global South
Ahmed Chennak, Konstantinos Giannakas, Tala Awada

20:00 - 22:00 Gala Dinner

Room: Filmtheater Lumière Maastricht

(https://maps.app.goo.gl/En7yTJWPs29kqcWJ6?g_st=ac)

Two rounds of drinks, and there is a children's menu as well as a childcare provider who will eat with the children and then watch a movie with them.

Thursday, 25 Jun

8:30 - 9:00 Registration

9:00 - 11:00 Parallel Sessions IV

Life Cycle Sustainability Assessment (LCSA), co-organized with European Network for Multiple View Life Cycle Sustainability Assessment (MultiViewLCSA)

Chair: Wei Wang

Room: BR.1.32

- 9:00 Tracking Urban Mines: Digital Platforms for Multi-Life-Cycle Building Material Management
Jude Al-Nasser, Johannes van Oorschot, Cecilia Furlan, Amaryllis Audenaert, Kostas Anastasiades
- 9:20 Integration of Environmental, Social, and Governance into Sustainable Process Design Driven by Machine Learning, Techno-Economics, and Life Cycle Assessment
Muhammad Yousaf Arshad, Dr. Nam Nghiep Tran
- 9:40 Mapping EU Research Funding Trends in Water and Life Cycle Assessment
Aikaterini Zoula, Georgios Tsironis, Konstantinos P. Tsagarakis, Georgios Archimidis Tsalidis
- 10:00 Environmental Assessment of Alternative Tourism Packages in Bologna through Life Cycle Assessment and Circular Economy Principles
Raluca-Maria Țâbuleac, Brindusa Sluser

Circular Business Models II

Chair: Owais Khan

Room: BR.B.26

- 9:00 From Niche to Identity: How Repair Businesses Communicate Circular Economy Values on Social Media
George-Rafael Dimakis, Konstantinos Tsagarakis, Ioannis Marinakis
- 9:20 A Design and Systems Approach to Developing a Circular Economy for e-Bikes
Luke Nijkamp, Lucia Corsini
- 9:40 Bridge the Gaps Between Theories and Practices of Circular Procurement in Dutch Social Housing
Di Wu, Tong Wang, Paul Chan, Vincent Gruis
- 10:00 Ecosystem value as a foundation for circular and regenerative transitions
Marco Rog, Victoria Tully
- 10:20 From Institutional Pressures to Circular Economy Practices: The Role of Paradox Mindset and Dynamic Capabilities
Owais Khan

Industrial Symbiosis: Digitalisation, Drivers and Circular Solutions, co-organized with LIAISE COST action

Chair: Almudena Muñoz Puche

Room: BR.1.21

- 9:00 Digitalization of Industrial Symbiosis Networks: Evaluating the Suitability of Emerging Digital Technologies
Emel Yontar
- 9:20 Driving forces on applying Industrial Symbiosis schemes
Apostolos Michopoulos, Vasiliki Skoulou
- 9:40 Challenging fossil feedstocks through industrial symbiosis: a waste-to-product case study
Maddalena Eloisa Logrieco, Martijn Zieverink

- 10:00 A Collaborative Technology Watch and Competitive Intelligence Platform for Industrial Symbiosis: A Four-Dimension Framework
Almudena Muñoz Puche, Blanca Puche García, Josefina Garrido Lova, Merim Kasumovic, Anelka Stojanovic, Gazme Nur Mujdeci
- 10:20 Valorization of Forest Biomass into High-Value-Added Nanomaterials for Sustainable Wood Adhesive Industry
BERK Dalkilic, Ertan Ozen, Zeki Candan
- 10:40 Environmental Footprint of Bio-WGS Mediated Biohydrogen Production across Different Energy Scenarios for Circularity
Mine Gungormusler, Jens Buchgeister, Marcel Weil

11:00 - 11:30 Coffee Break

11:30 - 13:30 Plenary Keynote Session
Chair: Nikolaos Kalogeras

- 11:30 Building the CitiVerse: How Europe's Digital Twin Projects Are Reshaping Urban Life
Burak Can
- 12:30 International and regenerative learning to innovate business education
Jeanine Gregersen-Hermans

13:30 - 14:30 Lunch Break

14:30 - 16:30 Parallel Sessions V

Circular Economy and Macro, Meso and Micro level

Chair: Laura Cristina Ramirez Rodriguez

Room: BR.1.32

- 14:30 Agent-Based Modelling of Transition to Industrial Circular Water Management: A Case Study for Porsuk Basin
Buse Berfin Kart, Emre Alp, Elçin Kentel Erdoğan
- 14:50 CEI: A Finance-Based Circularity Index Across All R-Strategies
Vesna Alivojvodić, Filip Kokalj
- 15:10 The state of the art and future directions of Circular Economy of Water representation in hydro-economic modelling
Bente-Sophie van Kalken, Roy Brouwer, Jan Brusselaers
- 15:30 Uncertainty and equivocality in deconstruction: an information processing perspective on building element reuse challenges
Li Jiang, Marc van den Berg, Hans Voordijk, Andreas Hartmann
- 15:50 Circularity transitions of capital-intensive industries: Futuring for plasma chemistry
Mart van Uden, Fernando Lit
- 16:10 Towards Circularity in Plastic Packaging: Complex Coordination Mechanism in Supply-Demand Matchmaking
Laura Cristina Ramirez Rodriguez, Yifei Yu, Devrim Murat Yazan, Marta Ormazabal, Carmen Jaca

Circular Economy and SDGs I

Chair: Yiğit Kazançoğlu

Room: BR.B.26

- 14:30 Building Sustainability Capabilities through Place-Based, Stakeholder-Embedded Learning: Evidence from a Municipal Living Lab in Crete, Greece
Tania Konstantina Ploumi, Christine Georgakakos, Konstantinos Vassakis
- 14:50 Circular Public Procurement under Constraint: Mapping the Clashes Between Circular Economy Principles and EU Public Procurement Law
Saide Esra Akdogan, Willem A. Janssen
- 15:10 Circular alternatives to the Portuguese WEEE management system: an environmental assessment model
Marta Pereira de Melo da Cunha Brazão, Ana Carvalho

- 15:30 Designing with What Exists: Recognizing Collective Design Agency in Women-Led Grassroot Communities in India
Nabajit Deka, Sugandh Malhotra, Ilya Fridman, Gene Bawden
- 15:50 Greek citizen behaviour towards the use of circular economy construction products: Exploring factors enhancing the integration of reused, repaired and recycled materials in construction value chains
Theoni Oikonomou, Spyridon Karytsas, Ioannis Kostakis, Ana Teresa Lima, Constantine Karytsas, Eleni Theodoropoulou
- 16:10 Digital Enablers of Circular and Resilient Supply Chains in the Energy–Food Nexus
Mürüvvet Deniz Sezer, Yiğit Kazançoğlu

Circular Materials, Product Flows and Material Sciences

Chair: Manoj Kumar Nallapaneni

Room: BR.1.21

- 14:30 Towards Circular Bio-Based Materials: A Modular Screening LCA Framework
Vasileios Anestis, Chrysanthos Maraveas
- 14:50 Why Material Reuse in Construction Remains Marginal: A Systemic Perspective on Material Flows
Sara Baldasano Calleja, María Isabel Odoñez Pizarro
- 15:10 London's EEE Material Flow Analysis and Life Cycle Assessment
Ana Morgado, Lucia Corsini
- 15:30 Real-Time Carbon Fate Tracking in Biochar-Incorporated Concrete: A Dynamic Simulation from Biomass Pyrolysis to End-of-Life Demolition
Muhammad Imran
- 15:50 Perspective-based knowledge injection for LCA implementation pathways
Georgios Tsironis, Juan Diego Medrano Garcia, Gonzalo Guillén Gosálbez
- 16:10 Theoretical Foundations for Sustainable End-of-Life Management of MOFs: A Case Study of MIP-177(Ti) with Preliminary LCA Insights
Manoj Kumar Nallapaneni, Pranav Nakhate, Yvonne van der Meer

16:30 - 17:00 Coffee Break

17:00 - 19:00 Workshop: The Road to Flourishing game-based tool for sustainable business innovation
Room: BR.1.25

Laura Niessen-Wade

17:00 - 19:00 Workshop: LIAISE COST Action Round Table: Industrial Symbiosis: Digitalisation, Drivers and Circular Solutions
Room: B.1.24

Ákos R. Wetters and Almudena Muñoz Puche

Friday, 26 Jun

8:30 - 9:00 Registration

9:00 - 11:00 Parallel Sessions VI

Circular Design

Chair: Evi Viza

Room: BR.1.32

- 9:00 From Noise to Power: Positioning Vibro-Acoustic Energy Harvesting for Circular Sensor Infrastructure in Dutch High Noise Environments
Nilesh Ramdas Ingle
- 9:20 HUB 2.0 Circular Framework Proposal - Unlocking the Potential of Logistic Hubs and Mixed-use Fleets for Integrated Passenger and Waste Transport
Sergio Jose Carvalhais Caetano
- 9:40 Product-service systems for parenting – Social practice elements and sustainability implications
Laura Niessen-Wade, Nancy Bocken, Anneli Selvefors, Steven Sarasini
- 10:00 Resources Sourcing Pathways for Photoactive MIP-177(Ti) MOF Synthesis and their Environmental Impacts
Manoj Kumar Nallapaneni, Pranav Nakhate, Yvonne van der Meer
- 10:20 How the Use Phase Is Addressed in Circularity and Sustainability Literature: A Discussion through the Toy Context
Sinem Halli, Cigdem Kaya
- 10:40 Biomimicry and Circular economy: Mother nature knows best
Evi Viza

Circular Business Models III

Chair: Sandra Morioka

Room: BR.B.26

- 9:00 Pioneering circularity in construction: How interacting behavioral components drive transformative change
Marc van den Berg, Mats Belgers, Marian Zandbergen
- 9:20 Bridging Supply and Demand in Circular Economy Transitions: A Behavioral Change Management Framework for Multi-Level Governance and Ecosystem Transformation
Preeti Shroff-Mehta, Danko Betzhold
- 9:40 From Pilot Projects to Organizational Integration: Drivers of Scaling Circular Economy Initiatives in Firms
Ewelina Szczech-Pietkiewicz
- 10:00 Designing with What Exists: An Inventory-Responsive Matchmaking Framework for Reclaimed Component Integration in Architectural Design
Nikita Dhavale, Marc van den Berg, Hans Voordijk, Torsten Schröder, Andreas Hartmann
- 10:20 Analyzing methodologies to assess sustainable business models.
Nand Hens, Karel Van Acker
- 10:40 Circular business ecosystem mapping to unveil new social impact opportunities
Sandra Morioka, John Éric Marinho Teixeira da Silva, Ivan Bolis

Circular Economy and SDGs II

Chair: Brecht De Tavernier

Room: BR.1.21

- 9:00 Public-Private Partnerships as Catalysts for Achieving Sustainable Development Goals in Developing Economies: A Review of Nigeria's ICRC Regulated Infrastructure and Asset Management Projects.
Trevor Omoruyi, *Jobson Ewalefoh*, Solomon Uhumamure, Rufus Aigbogun, Yusuf Aliyara
- 9:20 Evaluating SDG Implementation in Firms within the Circular Economy: A Data-Driven Performance Index
Maria Sartzetaki, *Iliana Kolari*, Aristi Karagkouni, Dimitrios Dimitriou
- 9:40 Circular Economy information within DPP
Jorge Ortigosa, Marina Isasa, Raul Ugarte
- 10:00 Who Builds the Circular Future? Advancing Women's Access and Participation in the Construction sector
Maruna Manthe, *Mariana Cardoso Chripim*
- 10:20 Enabling Circular Value Chains for Photovoltaics through Data-Driven Reuse Decisions
João Gabriel Bessa, Eduardo F. Fernández, Ricardo Ruther
- 10:40 Towards circularity in healthcare: what can hospitals do with medical goods and pharmaceuticals in order to jumpstart the path to circular healthcare?
Brecht De Tavernier, Maarten Van Laere

11:00 - 11:30 Coffee Break

11:30 - 13:30 Parallel Sessions VII

Sustainable Business and Economics

Chair: Dimitrios Mendrinos

Room: BR.1.32

- 11:30 Rethinking the Environmental Kuznets Curve: Productivity Channels and Circular Material Use
Esra Alp Coskun
- 11:50 Football ESG League 2026: A Methodological Framework for Evaluating Sustainability Disclosures of Europe's Top Revenue-Generating Clubs
Mert Güller, Gözde Sağlam
- 12:10 An alternative general-purpose money supply model for a future-proof sustainable economy
Stef Kuypers
- 12:30 Biomethane as an economic infrastructure for local development and decarbonisation
Giacomo Di Foggia, Massimo Beccarello, Lorenzo Zanolo
- 12:50 Nature's Intelligence as a Foundation for Sustainable Business: A Holistic Ecosystem-Based Approach
Kai Verheul, Els Martijn
- 13:10 Developing Sustainable Energy: The Case of Geothermal Power
Dimitrios Mendrinos, Constantine Karytsas

Sustainable Supply Chain Management II

Chair: Paulina Golinska-Dawson

Room: BR.B.26

- 11:30 Barriers and opportunities to scaling data spaces for supply chain sustainability
Zahar Koretsky, Albert Plugge
- 11:50 From Energy Security to Supply Chain Resilience: The Role of the Strait of Hormuz
Mürüvvet Deniz Sezer, İdil Özer
- 12:10 Circularity of Materials as a Strategic Lever for Feedstock Security and Supply Chain Resilience
Sandra Gaspar
- 12:30 Circular economy CO2-eq decoupling potential in food supply chain
John Asprilla-Echeverria
- 12:50 A Framework for the Assessment of Maturity of Circular Practices in Supply Chains in Automotive Industry
Paulina Golinska-Dawson, Jakub Koczan

Circular and Sustainable Challenges

Chair: Masoud Haddad

Room: BR.1.21

- 11:30 Procurement as Transition Lever: Rapid Impact Contracting for Circular and Sustainable Public Procurement
Erick Wuestman, Esther Pontjodikromo
- 11:50 Sustainability Pathways in the European Union: A Fuzzy-Set Qualitative Comparative Analysis (fsQCA) of SDGs and Spillover Effects
Antonios Psathas, Stelios Tsafarakis, Konstantinos Tsagarakis
- 12:10 Driving Circular Economy Adoption through Marketing Systems: Integrating Behavioural Insights, Renewable Energy Transitions, and Sustainable Consumption Pathways in the Global South
Solomon Uhunamure, Leonardo Piccinetti, Jobson Ewalefoh, Ayotunde Banjo, Trevor Omoruyi
- 12:30 Where Do Swiss SMEs Stand? An Empirical Assessment of Sustainability Ambition Using the Business Sustainability Typology
Riccarda Schmid, Claus-Heinrich Daub
- 12:50 Social acceptance of soil products derived from food industry side streams in Denmark
Magdalena Andrunik, Paulina Marcinek, Marzena Smol
- 13:10 Comparing Reinforcement Learning and PI Control for Circular Operation of Classroom Ventilation
Masoud Haddad, Xiaoshu Lu

13:30 - 14:30 Lunch Break

14:30 - 16:30 Parallel Sessions VIII

Integrated Waste Management: Recycling, Reuse, and Zero Waste Strategies II

Chair: Marco Ragazzi

Room: BR.1.32

- 14:30 Machine Learning Modelling for Predicting Iron and Manganese Removal and Assessing Circular Economy Potential in Passive Mine Water Treatment Systems
Vasiliki Ioannidou, Oluwanisola Ayodele Okeleji
- 14:50 A Sociotechnical and Institutional Analysis of Scaling Digital Food Waste Platforms through Stakeholder Collaboration
Suliman Alramahi, Deniz Yoruk
- 15:30 Microbial community dynamics and performance of an immobilized cell bioreactor treating butenolide-contaminated wastewater
Angeliki Angeli, Aikaterini Gropali, Ioannis Stavrakakis, Konstantinos C. Christoforidis, Paraschos Melidis, Spyridon Ntougias, Nikolaos Remmas
- 15:50 Towards a more sustainable landfill in an integrated management of waste aimed to circular economy
Marco Ragazzi, Ammar Ahmad, Elena Cristina Rada, Luca Adami

Circular Business Models IV

Chair: Zahra Shams Esfandabadi

Room: BR.B.26

- 14:30 The Circular Value Model Continuum: A Seven-Tier Framework for Circular Product-as-a-Service in Healthcare – The Lynqo Case
Mark De Colvenaer, Frédéric Van Geuns
- 14:50 Advancing Circular Economy Transitions through Design Thinking: Evidence from Local Accelerator Hubs
Hernan Ruiz Ocampo, Vlatka Katusic, Giorgos Demetriou
- 15:10 Sustainable Progress: Impact of Circular Economy on Uzbekistan's Economic and Environmental Development
Azizbek Mirzaev, Bobir Odilov, Azizakhon Atkhamova
- 15:30 From Material Cycles to Value Cycles: Rethinking Circular Economy Business Models for Functional Value Preservation
Olaf Blaauw
- 15:50 Circular innovation support to accelerate regional capacity and adoption among small and medium enterprises (SMEs)
Max Green, Hannah Morris, Gavin Bunting

- 16:10 Transition to the circular economy through digital innovation: an integrated framework driven by theory and empirical insights
Meisam Ranjbari, *Zahra Shams Esfandabadi*

Circular Economy Transition

Chair: Priya Saikumar

Room: BR.1.21

- 14:30 Road, Rail, and River: A Modal Emissions and Costs Comparison for the Greece–Danube–Rhine Freight Corridor
Vasileios Kotsiakis, Jules Verheesen, Nikolaos Kalogeras
- 14:50 Transition Brokerage Ecosystems in ICT Circular Economy Transitions: Comparative Evidence from Kenya
Priya Saikumar, Paulo Savaget
- 15:10 Knowledge Transfer for Circular Plastics Between Forerunners and Accelerating Regions; Lessons from German-Western Balkans Example
Ivana Ivanova
- 15:30 Circular economy in water utilities: technological and non-technological challenges
Marzena Smol, Magdalena Andrunik, *Paulina Marcinek*
- 15:50 Reintroducing Landscape Features in Intensive Farming: Business Drivers, Barriers, and the Role of Facilitation
Anna Hansson, Senad Osmanovic, Pia Ulvenblad
- 16:10 Micro-credentials for Circular Economy: A VET-based Approach to Developing Enabling Green Skills for Sustainable Transition
Almudena Muñoz Puche, María Sánchez Melero, Raquel Ortega Martínez, Juan José Ortega Gras

16:30 - 17:00 Break session

17:00 - 17:20 Closing Session

17:20 - 19:20 Workshop: Beyond the Loop: A Look into the Future of Digital Product Passports and Circular Transition Brokers
Room: B.1.23

Ivana Ivanova

17:20 - 19:20 Workshop: Sustainable Logistics
Room: B.1.24

Wei Wang and Brîndușa-Mihaela Slușer