

Conference Opening - Sunday May 10

"Lysandros Kaftantzoglou" Hall

Averof Building of NTUA, 28is Oktovriou 42, Athina 106 82 - [Map](#)

17:00 - 18:30

Registration

18:30 - 19:00

Opening & Greetings

- **Prof. Konstantinos Aravossis**, UNESCO Chairholder on Green Innovation and Circular Economy of NTUA & Vice President and Waste Management BoD Chairman Regulatory Authority for Waste, Energy and Water – RAAEY
- **Prof. Ioannis Chatjigeorgiou**, Rector of the National Technical University of Athens
- **Giorgios Koumoutsakos**, Ambassador, Permanent Delegate of Greece to UNESCO
- **Prof. Yannis Golias**, Former Rector of the National Technical University of Athens, Governor at Eugenides Foundation

Keynote Speeches

19:00 - 19:15

The WEF Nexus as a Driving Force towards Circular Water Management, Circular Economy and Innovation

- **Scoullou Michael**, Professor Emeritus, Laboratory of Environmental Chemistry, National and Kapodistrian University of Athens

19:15 - 19:30

Border Regions as Laboratories: Territorial Governance and Circular Economy Pathways in a Changing Climate

- **Rui Alexandre Castanho**, Professor, Vice-Coordinator, VALORIZA Research Center, Polytechnic Institute of Portalegre (Portugal), European Climate Pact Ambassador, Visiting Professor, UNICAMP (Brazil), Visiting Associate Professor, University of Johannesburg (South Africa)



Mon 11/5

19:30 - 19:45

Circular Economy Needs Biology: Insects as the Missing Metabolism

○ **Maria Pappas**, Professor Maria Pappas - Laboratory of Agricultural Entomology and Zoology at Democritus University of Thrace (DUTH)

20:00 - 21:00

Opening Ceremony

Cultural Part

Soprano & Piano Performance

Ceremony's Closing remarks

Reception (cheese and wine)



1st Day - Monday May 11

Please note that **B2B Meetings** will be held at Eugenides Foundation ([Map](#)) from 10:00 to 18:00. A dedicated platform will be available via registration.

08:00 - 09:00

Registration

Hall A

Eugenides Foundation 387, Syggrou Ave. 17564, P. Faliro - [Map](#)

09:30 - 11:00

Scientific Paper Presentations

Circular Economy Session: Waste Valorisation and Resource Recovery

- Novel Circular Economy Pathways for Industrial Waste as Thermal Energy Storage Materials
Georgios Gaidajis, Argyrios Anagnostopoulos, Maria Elena Navarro, Yulong Ding
- Valorization of Cocoa shells: Towards a Circular Cocoa Agroindustry
Catalina Gómez
- Rapid and Non-Invasive Determination of Polyphenol content in Cocoa By-Products through NIR and Chemometric Modeling
Nicolas Montoya, Jorge Andrés Velásquez-Cock, Catalina Gómez
- Quality Misalignment and Value Loss in Plastic Recycling Chains: A Multi-Actor Case Study in Southern Brazil
Mariana Machry Jacintho, Diogo H. S. Yano, Istefani C. de Paula
- Achieving Circularity: A Design-Led Model for Recycling Non-Woven Polypropylene Waste in Hospitals
Angelique Milojevic, Berto Pandolfo, Anton Nemme, Stefan Lie, Roderick Walden

09:30-11:00

Hall B**Scientific Paper Presentations****Green Innovation: Sustainable Materials and Green Technologies**

- Fungal Metrology: Optimizing the Circular Potential and Economic Viability of Mycelium-Based Materials
Geoffroy Renaud, Joan Laur
- Growing Acoustics: Design, Performance, and Evaluation of Sustainable Mycelium-based Panels for Interior Spaces
Christos Kourtidis, Fotios Anagnostopoulos, Panayotis Pangalos
- Transforming Greenhouse Gas Emissions into Advanced Materials for Energy Application: An Integrated Extreme-Condition Framework for N₂O Valorization
Olatunji Salako, Yetunde Adeniji, Ioannis Sarris
- Biorecovery of rare earth elements from bauxite residue
Kyriaki Kiskira, Maria Ochsenkühn-Petropoulou
- Structural Inspection Method Using 3D Laser Scanning for Embodied Carbon Reduction of Wooden Heritage Buildings
Seungwoo Park, Young K. Ju, Arum Jang, Sangwoo Park
- Aligning Local Policies with the European Green Deal: Climate Action in Portuguese Low-Density Regions
Rui Alexandre Castanho, Luís Loures, Ana Loures, Paulo Ferreira

11:00 - 11:15

Coffee Break and Networking

11:15 – 11:35

Plenary Keynote Session in Auditorium**Water Management in the Circular Economy: Strategies for a Sustainable Future**

Prof. Dimitris Psychoyios, Vice President at Regulatory Authority for Energy, Waste & Water (Greece), Chairman of the Water Services Regulation Sector

11:35 - 13:00

Hall A**Special Scientific Session****Circular Supply Chains and Industrial Symbiosis****Chair:** *Assoc. Prof. Aida Szilagyi*

- Unlocking Industrial Symbiosis: The Critical Role of Facilitation and Policy Support
Aida Szilagyi, James Woodcock, Florica Manea
- From theory to practice: a methodological roadmap for mapping, assessing, and implementing Industrial Symbiosis
Aida Szilagyi
- Applications of Circular Economy for Waste Management to Improve Sustainable Supply Chain Performance
Jihad Al-Yaqoubi
- European Union Practices and Future Perspectives on Eco-Design Legislation for electric devices and equipment (2007-2024)
Constantinos S. Psomopoulos, Nikolaos Manousakis, Panagiotis Karagiannopoulos, Konstantinos Kalkanis
- Eco-Design of domestic appliances and white goods: Environmental Principles and EU Legislation (2007-2024)
Constantinos S. Psomopoulos, Panagiotis Karagiannopoulos, Nikolaos Manousakis, Konstantinos Kalkanis
- Influence of Strategic Orientations on Circular Economy and Industrial Symbiosis Adoption: Evidence from the Wine Industry
Óscar Páramo-Telle, Xavier Vence

Coordinated by Aida Szilagyi, Associate Professor, Politehnica University of Timișoara, Romania

11:35-13:00

Hall B**Scientific Paper Presentations****Environment & Sustainability: Energy Transition, and Digital Transformation**

- Beyond 2030: A TIMES-Based Assessment of Long-Term Emissions Reduction Pathways in Qatar
Carlos Mendez, Pankaj Kumar, Marcello Contestabile, Nurettin Sezer, Sertac Bayhan
- An Integrated Digital Platform for ESG Risk and Sustainability Assessment across Supply Chains
Alexandra Spyropoulou, Kyriakos Kandrakis, Nikolaos Markatos, Andreas Koutoulas, Kostas Balampekos, Charis Katsavos, Ilias Giannakeas, Evridiki Barka, Zois Gravanis, Taxiarchis Seintos, Orestis Papaioannou, Vasileia Vasilaki, Evina Katsou, Vasiliki Misa, Simos Malamis
- Does Digitalisation Affect the Material Footprint of Nations? Evidence From Panel Data Analysis
Alexandra Korcheva
- Wave Energy Conversion Using the MALEOS Generator System: A Modular, Multi-Generator Approach
Dimitrios Kampolis
- Green Innovation and Development Optimization for Power Module Design
Hsin Rau, Li-Yu Lin
- Digital Interoperability and Legal Alignment for Energy Communities in Europe: Evidence from the FlexBIT project
Christina Karatrantou, Pavlos Tyrologou, Nikolaos Koukouzas, Gaetano Zizzo, Pio Alessandro Lombardi, Dimitrios Papadaskalopoulos, Tomasz Sikorski, Przemysław Janik

13:00 - 14:30

Hall A**Scientific Paper Presentations****Circular Economy: Circular Textiles, Consumer Behaviour and Sustainable Production**

- Barriers and Enablers to Innovation for Circularity in Synthetic Textiles: Systematic Literature Review
Liliana Teale, Keiron Roberts, Antaya March, Steve Fletcher
- From Concept to Evidence: Operationalising the Quantum-Embedded Network Framework in Athens' Circular Textile-and-Clothing Ecosystem
Fiori Zafeiropoulou
- From Circular Vision to Economic Reality: Assessing the Viability of Circular Business Models in the TCLF Industry
Sofia Plakantonaki, Georgios Priniotakis
- Evaluating the Environmental Performance of the Greek Textile Sector: A Cradle-to-Grave LCA of T-shirts Following PEFCR v3.1
Sofia Kondyli, Dimitris Komilis
- Extended Producer Responsibility (EPR) For Textiles In Greece: A Catalyst For Innovation Or A Burden For Local Recyclers?
Zoi Gaitanarou, Solon Chaniotis, Sandy Triferi

13:00-14:30

Hall B**Special Scientific Session****Green Innovation: Entrepreneurship, Innovation and SMEs**

Chair: *Assoc. Prof. Siokas, Dr. Vasiliki Kremastioti*

- Does Institutional Capital Trickle Down to SMEs? ESG Flows, CeFi Credit Barriers, and the Rise of Decentralized Finance

Evangelos Siokas, Nikolaos T. Giannakopoulos, Viki Kremastioti

- Digitalizing Sustainability Compliance Requirements For Supporting Green Enterprise Transformation

Eyridiki Barka, Zois Gravanis, Taxiarchis Seintos, Ilias N. Giannakeas, Alexandra Spyropoulou, Vasileia Vasilaki, Constantinos Noutsopoulos, Evina Katsou, Vasiliki Misa, Simos Malamis

- Blockchain-Based Governance Framework for SME Energy Communities: Enhancing Transparency, Automation, and Green Entrepreneurship

Panagiotis Vionis, Theodoros Kotsilieris

- Startups, spin offs and economic growth: Academic research programs in Peloponnese provide feedback for the strategy of a new entrepreneur?

Vasiliki Kremastioti, Evangelos Siokas

- Does Green Finance Reach SMEs? Cointegration Evidence from CeFi and DeFi Markets

Nikolaos T. Giannakopoulos, Nikos Kanellos, Damianos P. Sakas

Coordinated by Evangelos Siokas, Associate Professor at the Department of Business and Organizations of the University of Peloponnese

14:30 - 15:30

Lunch Break

15:30 – 18:00

Hall A**Special Scientific Session****Environment and Sustainability: Green Innovation and Circular Economy in Maritime***Chair: Assist. Prof. Eleni Strantzali, Assoc. Prof. Sotiria Dimitrellou*

- Economic and environmental performance of alternative marine fuels: A bulk carrier case study
E. Strantzali, C. Mpgialas, S. Dimitrellou, G.A. Livanos, D.N. Pagonis
- Green Compliance and Operational Sustainability: Assessing Scrubber Integration and Low-Sulfur Fuel Adoption in an LPG Carrier
Sotiria Dimitrellou, Spyridon Skordilis, Eleni Strantzali
- Assessing the Integration of Carbon Capture, Utilization, and Storage (CCUS) Systems in an LNG carrier
E. Strantzali, N. Vasilikos, G.A. Livanos, D.N. Pagonis.
- Additive Manufacturing for Sustainable Marine Engineering – A case of a novel 3D Printed Thermal Flow Sensor
D.N. Pagonis, A. Vailas, C. Liosis, G.A. Livanos, S. Dimitrellou, E. Strantzali
- Evaluation of Carbon Footprint in the case of LRI Tanker for conventional fuels and green methanol
G.A. Livanos, S. Korre, E. Strantzali, D.N. Pagonis
- Wind-Assisted Propulsion for Sustainable Shipping: Performance, Compliance and Advanced Manufacturing of Flettner Rotors
M. Karavolou, S. Dimitrellou, I. Iakovidis, D.N. Pagonis, E. Strantzali

- Advancing Green Innovation in Maritime Education: Techno-Economic Analysis within Sustainability Frameworks
Evanthia Kostidi, Dimitrios Lyridis
- Parametric Investigation of an Organic Rankine Cycle for Ship Engine Jacket Water Waste Heat Recovery
Konstantinos Moraitis, Apostolos Gkountas, Dimitrios Koubogiannis
- Transition to Circular Boating: An ESCO-Based Competence Framework for sustainable boat manufacturing
Eirini – Asimina Stamatopoulou, Eleftherios Tryfonopoulos, Nikolaos P. Ventikos

Coordinated by Eleni Strantzali, Assistant Professor, Department of Naval Architecture, School of Engineering, University of West Attica, Greece

15:30 – 17:30

Hall B

Scientific Paper Presentations

Circular Economy Session: Circular Design and Infrastructure

- Decision-making in the Construction and Demolition Waste Recovery
Vahid Babaveisi, Juan Ferriz-Papi, Angel Jimenez-Aranda
- Material Reuse in Amsterdam's Roads: From Guesswork to Data for Circular Policy Tracking
Felix Fröhling, Ruben Vrijhoef, Petar Koljensic
- Joint-System Design Enabling Function-Agnostic Modular Furniture: A Life-Course-Based Screening Life Cycle Assessment
Daisuke Nagatomo, Chieh-Chieh-Yu Yang
- Integrating Circularity, Environmental, and Social Sustainability in Manufacturing: An Expert-Validated Multi-Criteria Framework and Trade-off Analysis

Athanasios Rentizelas, Kostas Florios, Eleni Aretoulaki, Efthymios Simos

○ Landfill-bound to Living Lab: The Anthropocene Redesign Blueprint
Nikitas Gerolimos, Ioanna Karvouni, Ervin Gjinaj, Anastasia Tireakidou, Maria Foka, Kyriaki Kiskira, Georgios Priniotakis

○ Life cycle assessment and optimization of circular industrial processes for sustainable by-product recovery
Kyriaki Kiskira, Sofia Plakantonaki, Nikitas Gerolimos, Emmanouela Sfyroera, Maria Melizani, Georgios Priniotakis

○ Green Software Development using Responsible AI Agents: Sustainable Coding Practices at Scale
Emmanouil Serrelis, George Karagiannidis

○ Participatory Action Research for Adaptive Reuse: Developing an AI-Supported Multi-Stakeholder Scenario and Decision-Support Tool
Brian van Laar, Angela Greco, Hilde Remøy, Vincent Gruis

17:30-18:00

Coffee Break and Networking

18:00-19:00

Hall B**Special Scientific Session****Circular Economy Session: Ecodesign as an enabler of innovation within the circular economy****Chair:** *Chiavetta Cristian*

- Bridging Co-Design and Implementation in Circular Water Management: Methodological Insights from an Urban Living Lab Experiment
Sara Cortesi, Simone Busi, Cristian Chiavetta, Roberta Guzzinati, Luigi Petta, Carolina Innella
- Design-driven innovation for a systemic reconfiguration of the fashion industry: between adaptive and transformative trajectories
Cristian Chiavetta, Daniela Claps, Eleonora Foschi, Martina Iorio
- Assessing Carbon Emissions of MAMBO Museum Activities with a Life Cycle Perspective: Nature-Based Solutions for Mitigation and Compensation through Aula Verde - Tree Room, ecological art practice
Andrea Conte, Simona Galazzi, Cristian Chiavetta, Pier Luigi Porta, Alessandra Bonoli
- Service-Based Life Cycle Assessment of Parametric Lighting Shading: Integrating Additive Manufacturing, Circular Design, and Sustainability Awareness
Daisuke Nagatomo, Chi-Chun Liao

Coordinated by Chiavetta Cristian - Head of Laboratory for Sustainability and Circularity Tools at ENEA

18:00-19:00

Hall A

Scientific Paper Presentations

Circular Economy Special Session: Changing Cities, Sustainable Development and Circularity

- Planning For a National First – Australia’s First Integrated Circular Economy Precinct

Jemma Purandare, Kathy Baker

- Enabling Circular Economy in the Built Environment Through Multistakeholder Value Chain Integration

Chaitanya Korra, Akshita Sadhana Valaboju

- Circular Space Economy: How to Improve Material and Resource Circularity in the Space Sector

Zhilin Yang, Jin Xuan, Lirong Liu, Lei Xing

- Circular economy, science, technology and society: a framework for environmental challenges in Cuban hospitality

Sandro Felipe Acosta Mesa, Jorge Félix Quintana Cala, Mercedes del Carmen Franco Rodríguez



Poster Session

1st-floor Peristyle

Eugenides Foundation 387, Syggrou Ave. 17564, P. Faliro - [Map](#)

Poster presentations will take place in the peristyle on the 1st floor **on Monday 11 May, during the following hours: 17:30–18:30**

17:30-18:30

- Circular economy in Banking Industry UK

Shormy Binte Sayeed, Nahid Roni

- Gamifying Circular Economy: A User-Centric Evaluation of a Mobile Learning Application

Eymen Yağız Bozdağ, Selin Gökkut

- From Pest Control to Sustainability: Lessons from Companion Planting in Brassica rapa

Laurie St-Fleur

- Investigation of water resources management in the Regional Unit of Rethymno using renewable energy sources under climate change conditions

Athanasios-Foivos Papathanasiou, Daniil Michail Pitsikalis, Evangelos Baltas

- Enabling the Reuse of Reclaimed Asphalt Pavement (RAP): Barriers and Governance dynamics in the Dutch Road Infrastructure Sector

Felix Fröhling, Soumya Shukla, Ruben Vrijhof

- Romania's contribution to the energy transition and reducing the EU's dependence on strategic raw materials

Marinela Istrate, Ionel Muntele

- Preliminary Evaluation Of An Integrated Pilot-Scale Anaerobic Digestion And Membrane System For Nitrogen Recovery From Digestate

Thomas Kotsopoulos, Antonios A. Lithourgidis, Christos A. Tzenos, Maria-Athina Tsitsimpikou, Dimitra S. Pitsikoglou, Vasileios K. Firfiris, Ioannis A. Fotidis

- Long-Term Evaluation Of A Bioaugmented CSTR System Treating Nitrogen-Rich Poultry Manure Under Extreme Ammonia Concentrations

Thomas Kotsopoulos, Antonios A. Lithourgidis, Christos A. Tzenos, Maria-Athina Tsitsimpikou, Dimitra S. Pitsikoglou, Vasileios K. Firfiris, Ioannis A. Fotidis

- Operational Performance of a Photobioreactor Cultivating *Chlorella sorokiniana* in Digestate Towards Added Value Products

Petros Samaras, Nikoletta Solomakou, Christos Manolis, Eftychia Karageorgou, Thomas Palikrousis

- Circular Economy Approach to Pasta Fortification: Influence of Fermented Brewer's Spent Grains on the Biological Value of Triticale Pasta

Olesea Saitan, Georgiana Gabriela Codină, Florin Ursachi, Iurie Rumeus, Sergiu Paiu, Angela Gurev, Veronica Dragancea, Aliona Ghendov-Mosanu

- From Desert to Dough: Sustainable Use of Natural Sea Salt for Low-Sodium Bread

Corina Caracaci, Georgiana Gabriela Codina, Olga Boeștean, Viorica Bulgaru, Aliona Ghendov-Moșanu

- Comparative Assessment of Conceptual Hydrological Model Performance under Climate Change Scenarios in the Aliakmon River Basin

Apollon Bournas, Eleutheria Katavati, Evangelos Baltas

- Enhancing Pasta with Brewer's Spent Grain, An agri-food waste from Dark Beer Production: Influence on Rheology, Texture, and Consumer Acceptability

Sorina Ropciuc

- The recovery of tumbling eyewear and kitchen counters process waste for panels production

Marco Calvi

- Sea salt as an innovative element in wheat bread formulation

Olga Boestean, Georgiana Gabriela Codină, Corina Caracaci, Viorica Bulgaru, Iurie Rumeus, Aliona Ghendov-Mosanu

- Valorization of Sea Buckthorn Pomace into an Oil-Soluble Extract for Sustainable Meat Processing

Natalia Netreba, Irina Dianu, Adriana Dabija, Mircea Adrian Oroian, Georgiana Gabriela Codină

- Circular Bioeconomy Strategies for Sustainable Use of Brewing and Winery Yeast

Adriana Dabija, Larisa Caisin, Vitalii Agapii, Ancuta Chetrariu, Ionut Avramia, Dadiana Dabija

- Pumpkin seed oil and beeswax oleogels: a sustainable strategy for reducing trans fatty acids

Iana Ciugureanu

- Optimisation of High-Density Point Cloud Data for Geometry Preserving Structural Modelling and Analysis of Heritage Buildings

Young k. Ju, Seungwoo Park

- Rebounding Responsibility: From Exogenous Spillovers to Endogenous Informational Feedback in Corporate Sustainability

Elisavet Terzanidou

- Discrete Event Simulation Approach to Reverse Logistics in Interorganizational Circular Systems

Istefani Carisio de Paula, João Pedro Maciel Jaeger, Aline Cafruni Gularte, Rodrigo Lamas

- Data-Driven Circular Transitions in Urban Peripheries: advancing the concept of a Social-Technology-Embedded Sociotechnical Niche
Istefani Carisio de Paula, Ghissia Hauser, Aline Cafruni Gularte, João Pedro Maciel Jaeger, Diana Ramos Lima

- Physicochemical Characterization and Ecotoxicological Assessment of Municipal Biosolids for Agricultural Application
Ioannis Giannakis, Christina Emmanouil, Athanasios Kungolos

- Evaluation study of the use of alternative biofuels and waste utilization and management methods
Andreas-Christos Karakostas, Gerasimoula Alexopoulou, Athanasios Dounavis

- Urban Flood of Komotini in 1960 from Karidorrema Torrent and its Torrential Characteristics
Dionisios Marinos, Maria Grepa, Lambrini Theologou, Anastasia Stoikopoulou



Mon 11/5

Circular Economy Stakeholders

Auditorium

Eugenides Foundation 387, Syggrou Ave. 17564, P. Faliro - [Map](#)

10:00 -11:00

Panel Discussion *(in Greek)*

Energy Recovery in Greece – From Planning to Implementation: Cost, Regulatory Oversight & Social Acceptance

Coordinated by Regulatory Authority for Waste, Energy and Water (RAAEY)

11:00-11:15

Coffee Break and Networking

11:30-12:30

Panel Discussion *(in Greek)*

Upgrade and strengthening of Local Government Bodies (Waste Management Authorities / Municipalities) for the implementation of Regional Waste Management Plans (PESDA)

Coordinated by Hellenic Solid Waste Management Association (HSWMA)

12:30-13:30

Panel Discussion *(in Greek)*

Circular Economy in Practice: From Research and Innovation to the Implementation of the Green Economy

Coordinated by Panhellenic Association of Environmental Protection Companies (PASEPPE)

13:30-14:30

Panel Discussion *(in Greek)*

Integrated Management Model for Green Biomass Points: Bio-hubs for Collecting and Pre-processing Untapped Biomass Resources – Design Parameters and Implementation Conditions

Coordinated by HellaBiom

14:30-15:30

Lunch Break

15:30-16:30

Panel Discussion *(in Greek)***Urban and Circular Manufacturing in the Textile & Fashion Sector;
Meeting the Makers within Horizon Fabrix Project**

Coordinated by the Social Fashion Factory (SOFFA) & Prof. George Priniotakis

16:30-17:30

Panel Discussion *(in Greek)***Topic TBA**

Coordinated by Evgenides Foundation

17:30-18:00

Coffee Break and Networking

19:00 – 19:40

Beyond Earth***Planetarium show (Greek and English)***

The great Space adventure, which began in 1957 with the launch of Sputnik 1, continues. Since then, our robotic spacecrafts have travelled to the far reaches of the Solar system, significantly expanding our knowledge of the strange worlds around us. From superhot Mercury to frozen Pluto and from the Asteroid Belt to the distant Oort Cloud, where the Sun's gravitational "dominion" wanes, we invite you to a fascinating journey among the planets and satellites of the Solar system.



Mon 11/5

E-NICHE Hackathon

Please note that **the E-Niche Hackathon will be held at Eugenides Foundation ([Map](#)) on Monday and Tuesday from 10:00 to 20:00.**

Eugenides Foundation 387, Syggrou Ave. 17564, P. Faliro - [Map](#)

Monday -
Tuesday

A 2-day Hackathon: Call for Chemical Ecology Innovators and Researchers

organized by EU-funded COST Action “E-NICHE” Project with Mantis Beyond Innovation as the Program and Innovation Facilitator, hosted with the support of the Hellenic Entomological Society.

2nd Day - Tuesday May 12

Hall A

Eugenides Foundation 387, Syggrou Ave. 17564, P. Faliro - [Map](#)

Please note that **B2B Meetings** will be held at Eugenides Foundation ([Map](#)) from 10:00 to 18:00. A dedicated platform will be available via registration.

08:00 -09:00

Registration

09:30 -11:00

Special Scientific Session

Environment & Sustainability Special Session: Climate Resilience and Water Security

Chair: Assoc. Prof. Antigoni Zafeirakou, Co-Chair: Dr. Virginia Balafouta, Maria Karasani

- Smart Applications for Climate Resilience and Water Security in Urban Greenery
Sotiria Tsoukarella, Zacharoula Andreopoulou
- Exploring the Water Scarcity Impacts and Management Pathways in the Attica Region, Greece
Christos Kalantzis, Antigoni Zafeirakou, Panagiotis Tatoulis, Kostas Bogiatzidis, Katerina Tsopanoglou, Spyros Kaouris, Konstantinos Lagouvardos, Rousis Ziampras, Stavroula Sachinidi, Elpida Dialetoy, Petros Petros Kyriakou
- Decentralized Grey water Treatment for Waste Recycling, Reuse and Adapt Circular Economy Innovations in Low-Income Households of Ethiopia
Eyob Esatu, Yoseph Halala
- Controlled Grazing as a Nature-based Solution for Enhancing Water Storage Resilience in a Mediterranean Shallow Lake
Vasileios Ampas, Maria Nomikou, Theoharis Ampas, Eirini Papoulia
- A Framework for Climate-Resilient Water Infrastructure under Mediterranean Conditions: Applications in Greece

G. Mitsopoulos, A. T. Stamou, G. Tzanes, A. Tziallila, and A. Stamo

Coordinated by Associate Professor Antigoni Zafeirakou - Civil Engineering, Aristotle University of Thessaloniki

11:00 -11:15

Coffee Break and Networking

11:15-11:35

Plenary Keynote Session in Auditorium

New Circular Economy Act: Shaping the future of EU Circular Economy Policy

Aurel Ciobanu-Dordea, Director for Circular Economy at European Commission

11:30 -13:00

Scientific Paper Presentations

Environment & Sustainability: Environmental Economics and Climate Change

- Integral Valorization Of Maize By-Products, An Alternative To Strengthen Food Sovereignty in Developing Countries *Jorge Velásquez-Cock, Nicolás Montoya-Escobar, Oswaldo Ochoa-Yepes, Catalina Gómez-Hoyos*
- Towards Sustainable Plastic Recycling: Evaluating Contaminant Accumulation in Europe's Circular Plastic Economy *Tristan Dreising, Malte Hennig, Teresa Oehlcke, Salar Tavakkol, Rebekka Volk, Frank Schultmann, Dieter Stapf*
- Synthesis on circular economy and digital economy priorities within the European Union and its policies *Lazar Cvejić, Kristijan Brglez, Rebeka Kovačič Lukman, Antri Constantinou, Christos Kalloniatis, Panayiota Karanicola, Aikaterini-Georgia Mavroei, Panagiotis Psomos, Giorgos Demetriou*
- The effect of climate change on the hydroplaning phenomenon. A case study in Greece

Christos Kalantzis, Basil Psarianos

- Harmonizing Carbon Footprint Assessment in High-End Hotels: A Comparative Analysis of GHG Frameworks with Insights from China
Kimberly Morales
- Economic incentives for high-purity feedstock: A review of PAYT schemes in the transition to a Circular Bioeconomy
Katerina Genouzi, Konstantina Mouka, Konstantinos Aravossis

13:00 -14:30

Scientific Paper Presentations

Decision Policies and Strategic Planning: Policy, Governance and Decision Support for the Green Transition

- Spatial Circularity Index as a Decision Support System: A multicriteria evaluation framework for circular regeneration of wastescapes in urbanizing areas
Surekha K C, Pradeep G Kini, Arun Natarajan Hariharan
- The Impact of Electric Online Taxi Innovation on Non-Electric Online Taxi Drivers in Indonesia
Destia Ramand
- AI Lifecycle Risks in Circular Economy Systems: An Integrated ISO, NIST and EU Governance Perspective
Ioulia Eirini Gavriotou
- Bridging Sustainability Strategy and Decision-Making in Airports: An Optimization-Based Framework
Konstantia Kontodimou, Dionysios Peteinatos, Savannah Morgan, Konstantinos Kepaptsoglou

14:30 - 15:30

Lunch Break

15:30-17:00

Scientific Paper Presentations

Environment & Sustainability: Sustainability Transitions in Environmental and Economic Systems

- International Collaboration, Environmental Policy Stringency, and Eco-Innovation Performance: Evidence from Cross-Country Panel Data
Fatema Jannat, Khurshid Alam, Xiaowen Tian
- Eco-Innovation Intangibles and Stock Returns: Evidence from Saudi Listed Firms
Raghad Alsudays
- Sustainability Preferences in Practice: A Multi-Country Analysis Using Discrete Choice Experiments
Theodoros Daglis, Phoebe Koundouri, Konstantinos Christopoulos, Conrad Felix Michel Landis
- Agribusiness, Innovation, and Policy Nexus: A Bibliometric Review and Future Research Agenda for Developing Economies
Subas Dhakal, Md Shahiduzzaman
- The Projectification of Sustainability: Tensions Between Project Logic and Transformative Change in a North Norwegian Context
Astrid Maria Cabrera

17:00-17:30

Coffee Break and Networking

17:30-18:30

Special Scientific Session*Chair: Dr Panagiotis Grammelis***Circular Economy: Bioenergy Systems - Effective Use of biomass & Best Practices on Electricity, Biofuels & Digitalization**

- Design and Construction of a Containerized Ex Situ Thermocatalytic Methanation Pilot for Enhanced Biomethane Production
Grigorios Dedes, Ifigeneia Grigoriadou, Athanasios Kerchoulas, Themistoklis Sfetsas, Dimitrios-Sotirios Kourkoumpas, Panagiotis Grammelis
- Integrated Approach on Life Cycle Assessment of Pyrolysis and Anaerobic Digestion based on the Operation of Pilot Use Cases in Slovenia and Serbia
Christina Pyromalia, Angeliki Sagania, Katarína Blicklingová, Dominika Pančáková, Djordje Djatkovic, Miodrag Viskovic, Dimitrios-Sotirios Kourkoumpasa, Panagiotis Grammelis
- Microalgae as a sustainable tool in agribusiness' entities
Stephanos Giakoumatos
- Circular Approaches to Organic Waste Management: Energy Recovery and Compost Production from Agricultural and Industrial Residues
Evangelos Moutafis, Athanasios Dounavis

Coordinated by Dr Panagiotis Grammelis, Research Director at the Chemical Process and Energy Resources Institute of the Centre for Research and Technology Hellas

19:00 - 21:00

Formal dinner with live saxophone music

Circular Economy Stakeholders

Auditorium

Eugenides Foundation 387, Syggrou Ave. 17564, P. Faliro - [Map](#)

10:00-11:00

Panel Discussion *(in Greek)*

Innovation Meets Education: Preparing the Next Generation of Energy Leaders

Coordinated by HELLENiQ ENERGY Center for Sustainability & Energy @ Alba Graduate Business School

11:00-11:15

Coffee Break and Networking

11:15-11:35

Plenary Session in Auditorium

New Circular Economy Act: Shaping the future of EU Circular Economy Policy

Aurel Ciobanu-Dordea, Director for Circular Economy at European Commission

11:35-12:30

Panel Discussion *(in Greek)*

Topic TBA

Coordinated by Break-Even

12:30-13:30

Panel Discussion *(in Greek)*

Topic TBA

13:30-14:30

Panel Discussion (*in Greek*)

Topic TBA

Coordinated by CSR

14:30 - 15:30

Lunch Break

15:30-16:30

Panel Discussion (*in English*)

Topic TBA

Coordinated by Beyond CSR



Creative Intelligence Stakeholders

Ceremonies and Receptions Room – 2nd Floor

Eugenides Foundation 387, Syggrou Ave. 17564, P. Faliro - [Map](#)

13:00-14:00

Panel Discussion (*in Greek*)

TBA

Coordinated by World Human Forum

14:00-15:00

Panel Discussion (*in English*)

Topic TBA

14:30 - 15:30

Lunch Break



E-NICHE Hackathon

Please note that **the E-Niche Hackathon will be held at Eugenides Foundation ([Map](#)) on Monday and Tuesday from 10:00 to 20:00.**

Eugenides Foundation 387, Syggrou Ave. 17564, P. Faliro - [Map](#)

Monday -
Tuesday

A 2-day Hackathon: Call for Chemical Ecology Innovators and Researchers

organized by EU-funded COST Action “E-NICHE” Project with Mantis Beyond Innovation as the Program and Innovation Facilitator, hosted with the support of the Hellenic Entomological Society.

3rd Day - Wednesday May 13

Hall A

Eugenides Foundation 387, Syggrou Ave. 17564, P. Faliro - [Map](#)

Please note that **B2B Meetings** will be held at Eugenides Foundation ([Map](#)) from 10:00 to 18:00. A dedicated platform will be available via registration.

09:30 - 11:00

Special Scientific Session (Part I)

Circular Economy: From organic waste to value: insect bioconversion as a circular economy pathway

Chair: Maria Pappas Co-Chair: Christos Rumbos

- Insect Bioconversion in the Circular Economy: Advances and Challenges
Maria Pappas, Christos Rumbos
- From Insect Bioconversion to Crop Protection: Exploring Insect Frass as a Circular Agricultural Input
Anastasia Pantelidou, Ioannis Koufakis, George D. Broufas, Maria L. Pappas
- Waste management 2.0: the insect biorefinery; A dairy waste valorization case study
Sofronios Zafeiriadis, Georgia Baliota, Christina Adamaki-Sotiraki, Andrea Resconi, Theodora Gogou, Georgios Karagiorgis, Christos Rumbos, Christos Athanassiou
- Bioconverting agrifood byproducts into animal feed ingredients and organic fertilizer using insects – A demonstration in rural Greece
Ayse Yarali Paisios, Amalia Anthousi, Emmanouil Paisios
- Adults of the tiger mosquito and the oriental fruit fly as dietary ingredients for the lesser mealworm larvae

Georgia Baliota, Xanthoula Gkargkavouzi, Antonios Michaelakis, Christos I. Rumbos, Arianna Puggioli, Romeo Bellini, Tal Ozeri, Siriluk Thammasart, Christos G. Athanassiou

- Silkworms as an Alternative Insect Protein Source: Nutritional Value and Environmental Sustainability
Stamatios Mylonas, Maria Georgiadou, Myrto Stamouli, Konstantinos Mountzouris, Antonios Tsagkarakis
- Olive Pomace Valorization Through *Hermetia illucens*: Growth Performance and Nutrient Composition of Larvae Fed Two-Phase Olive Pomace
Panagiota Soulioti, Georgia V. Baliota, Christos I. Rumbos, Maria Teresa Capucchio, Christos G. Athanassiou

11:15-11:30

Coffee Break and Networking

11:30 -12:30

Special Scientific Session (Part II)

- Insect Frass As A Nutrient-Rich Organic Fertilizer: A Comparative Assessment With Digestate And Cattle Manure
Miloš Petrović, Dragan Kovačević, Marko Vukadinović, Dejan Beuković, Nikola Laćarac, Aleksandra Popović, Igor Jajić
- Insect Frass Application Promotes Vegetative Development and Productivity of Faba Bean under Semi-Arid Conditions
Brahim Ahbare, Driss Touhami, Youssef Bacha, Soufiane Khuili, Christos Athanasiou, Christos Rumbos, Laura Gasco, Adnane El Yaacoubi

- From Organic Waste to Value: Insect Bioconversion Through Optimized Diets for Black Soldier Fly Larvae (*Hermetia illucens*)
Brahim Ahbare, Soufiane Khuili, Youssef Bacha, Rebeca Antunes, Laura Gasco, Ilaria Biasato, Sara Bellezza Oddon, Adnane El Yaacoubi

- The effect of silage and sugar beet pulp in the substrate on the growth of *Hermetia Illucens* larvae
Przemyslaw Bialoskorski

Coordinated by Professor Maria Pappas - Laboratory of Agricultural Entomology and Zoology at Democritus University of Thrace (DUTH) & Ass.Professor Christos Rumbos - Department of Agriculture of the School of Agricultural Sciences of the International Hellenic University, in the field of “Applied Agricultural Entomology”

12:30 – 13:00

Special Session: Art & Environment

A GREEN PROJECT: A World Journey - Raising environmental awareness via art

Dr Ioannis N. Tzortzis, President, GREEN PROJECT, Member of the Board of Directors, Regulatory Authority for Energy, Waste and Water (RAAEY), Member of the Royal Photographic Society of Great Britain (RPS)

09:30 -11:00

Hall B

Scientific Paper Presentations

Decision Policies and Strategic Planning: Economy transformation perspectives and new educational process

- Workforce for the Bio-Circular-Green (BCG) Economy: Research Trends and Policy Innovation
Subas Dhakal, John Burgess
- Circular Economy and Waste Management: Policy Theory and Innovation Practices
Foteini Zouridaki, Athanasios Dounavis
- Implications from an Evidence-based Roadmap for a National Bioeconomy Strategy in Greece
George Martinidis, Konstantinos Aravossis, Christos Kalantzis, Katerina Genouzi, Christina Papadopoulou, Angeliki Foutri, Nikolaos Ntavos, Koralia Vallianou
- Design Thinking as a Framework for Authentic Assessment in Sustainability Education
Sofia Plakantonaki, Kyriaki Kiskira, Avraam Chatzopoulos, Nikitas Gerolimos, Georgios Priniotakis, Foteini Paraskeva
- Disruptive methodologies for sustainable approaches in the Faculty of Business and Entrepreneurship: the case of LEINN
Naiara Igarabide
- Flexibility, Degradation, and Price Volatility in the Economics of Green Hydrogen
Dimitrios Kolettis, Konstantinos Aravossis



11:15-11:30

Coffee Break and Networking

Green Innovation Stakeholders

Auditorium

Eugenides Foundation 387, Syggrou Ave. 17564, P. Faliro - [Map](#)

10:00-10:20

Open Innovation & Venture Building (Session I)

The new era of Open Innovation

Christos Nikoloudis, Founder & CEO at Mantis Beyond Innovation | Head of Research for Innovation at UNESCO Chair on Green Innovation and Circular Economy of NTUA

An overview of how greentech innovation ecosystems are built and scaled, highlighting the role of intermediaries in transforming ideas into startups and spin-offs. Includes real-world examples and lessons learned from ecosystem development initiatives.

10:20-11:00

European Innovation Funding – EIT KICs: Unlocking Opportunities Across Europe (Panel Discussion)

A practical introduction to the European Institute of Innovation & Technology (EIT) Knowledge and Innovation Communities (KICs), focusing on available funding instruments, participation pathways, and opportunities for startups, researchers, and organizations.

- EIT RawMaterials
Antonis Politis, Senior Business Development Manager
- EIT Manufacturing
Vivian Sophou, Senior Manager Business Development & Innovation
- 28DIGITAL
Orestis Trasanidis, Strategic & International Synergies
- EIT Health
Marios Roides, Innovation Consultant / NCP for Horizon Europe Cl. 4 / EIT Health GR Hub Coordinator

Moderator: Myron Flouris, Associate Partner, Mantis Beyond Innovation

11:00-11:30

EIT Food in Greece: Building the Future of Food Innovation

Christos Nikoloudis, Founder & CEO at Mantis Beyond Innovation | Head of Research for Innovation at UNESCO Chair on Green Innovation and Circular Economy of NTUA

Professor Maria Pappas - Laboratory of Agricultural Entomology and Zoology at Democritus University of Thrace (DUTH)

An introduction to EIT Food's presence and strategy in Greece, highlighting its role in fostering innovation across the agri-food sector and connecting local stakeholders to European opportunities. An overview of both the EIT Food programs, including funding and entrepreneurship calls and Mantis open & upcoming calls for startups & idea holders in the agritech/foodtech industry.

A deep dive in education initiatives and opportunities (digital courses & master programs) provided by EIT Food and the role of DUTH as the EIT Food Country Representatives Greece in collaboration with Mantis Beyond Innovation.

11:30-11:45

Interactive Engagement & Q&A: How to Get Involved

- **Professor Maria Pappas** - Laboratory of Agricultural Entomology and Zoology at Democritus University of Thrace (DUTH)
- **Myron Flouris**, Associate Partner, Mantis Beyond Innovation

An interactive session focused on audience engagement, addressing practical questions and guiding participants on how to take the next steps—whether applying, partnering, or joining innovation programs.

11:45-12:00

Break & Networking

12:00-12:20

Discussion Panel

- Representative by *ELGO DIMITRA*
- Representative by Benakeio

Moderator: Professor Maria Pappas - Laboratory of Agricultural Entomology and Zoology at Democritus University of Thrace (DUTH)

12:20-12:35

Agritech/Foodtech startup & idea holders success stories (Panel Discussion) – in English

- *Vasilis Stenos, Founder & CEO, Solmeyea*
- E-NICHE Hackathon winning idea

A quick presentation from Greek startups in the Agritech/Foodtech industry and a presentation of the E-NICHE Hackathon winning idea.

Moderator: Christos Raftogiannis, Founder & CEO, CityCrop

12:35-12:55

Green (Session II)**Keynote Speech****Innovation in Strategic Sectors – ELKAK: Driving Defence & Dual-Use Innovation**

Panagiotis Papageorgiou, Executive Board Member, Hellenic Centre for Defence Innovation S.A.

Presentation of the role of the Hellenic Centre for Defence Innovation (ELKAK) in strengthening innovation in defence and dual-use technologies, including opportunities for startups, researchers, and industry collaboration.

12:55-14:30

CESI

- *Representative by CESI*

14:30-14:45

AI Catalyst

- *Myron Flouris, Associate Partner, Mantis Beyond Innovation*

14:45 – 15:45

Lunch and Networking