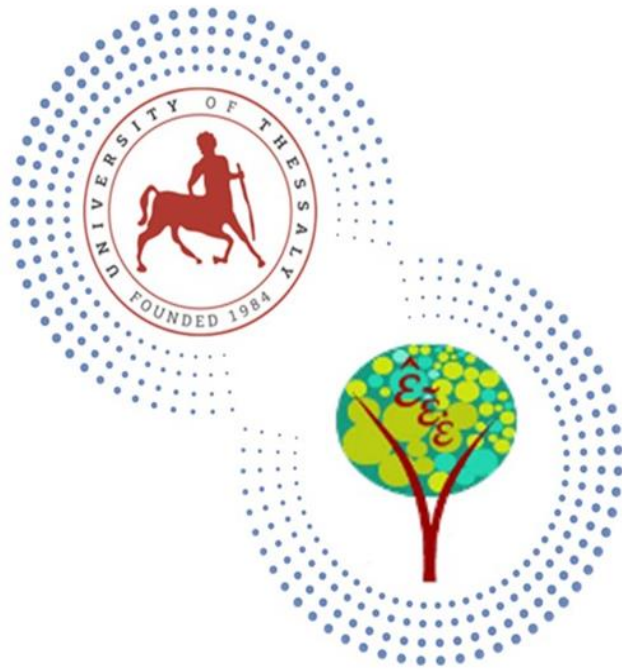


# #ENVECON10



## 10<sup>th</sup> Anniversary ENVECON Conference 6 – 7 December 2024 | HYBRID

### SCOPE

Main issues that concern the Economics of Natural Resources and the Environment with emphasis on the various environmental problems and their management and solution policies.

### AIM

Highlight the interdisciplinary nature of environmental research through the exchange of views and experiences of researchers from different scientific fields and the finding of common components of research approaches.

Organized by Laboratory of Operations Research  
Hosted at Department of Economics, University of Thessaly



## Concise Conference Programme

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Greek Time	Sessions-Topics Day 1 – Friday 06/12/2024
10:00-11:30	<b>OPENING – WELCOME</b>
11:30-12:00	<b>Keynote Speaker:</b> Professor Anil Markandya
12:00-12:15	Coffee Break
12:15-14:00	<b>Session 1:</b> Circular Economy and Bioeconomy <i>Chairperson: Dr. Jaime Moll de Alba.</i>
12:15-14:00	<b>Session 2:</b> Smart Technologies and Sustainable Development <i>Chairperson: Prof. Zacharoula Andreopoulou</i>
14:00-14:45	Lunch Break
14:45-16:15	<b>Session 3:</b> Climate Change Adaptation <i>Chairperson: Prof. George Halkos</i>
14:45-16:15	<b>Session 4:</b> Sustainable Tourism and Transportation <i>Chairperson: Prof. Vassilios Profillidis</i>
16:15-16:30	Coffee Break
16:30-17:00	<b>Keynote Speaker:</b> Professor Thanasis Stengos
17:00-19:00	<b>Session 5:</b> Energy Poverty and Inequality <i>Chairperson: Prof. George Halkos.</i>
17:00-19:00	<b>Session 6:</b> Forest Economics <i>Chairperson: Assoc. Prof. Konstantinos G. Papaspyropoulos</i>
19:00-20:00	Dinner
<b>Day 2 - Saturday 07/12/2024</b>	
10:00-11:30	<b>Session 7:</b> Novel Research Activities <i>Chairperson: Asst. Prof. Giannis Adamos.</i>
10:00-11:30	<b>Session 8:</b> Quantitative Methods in Environmental Economics & Management <i>Chairperson: Prof. Christos Kitsos</i>
11:30-12:00	<b>Keynote Speaker:</b> Professor Efthymios Lekkas
12:00-12:15	Coffee Break
12:15-14:00	<b>Session 9:</b> Health and Unexpected Events <i>Chairperson: Assoc. Prof. Athina Economou</i>
12:15-14:00	<b>Session 10:</b> Growth, Institutions & Policies <i>Chairperson: Prof. Michel Zouboulakis</i>
14:00-14:45	Lunch Break
14:45-15:15	<b>Keynote Speaker:</b> Director Dr. Jaime Moll de Alba
15:15-16:45	<b>Session 11:</b> Environmental Innovative Policies and Applications <i>Chairperson: Prof. George Halkos</i>
15:15-16:45	<b>Session 12:</b> Corporate Social Responsibility & Environmental Social Governance <i>Chairperson: Prof. Konstantinos Evangelinos</i>
16:45-17:00	Coffee Break
17:00-17:30	<b>Honorary Greetings</b>
17:30-18:00	<b>Closing of the 10<sup>th</sup> Anniversary ENVECON Conference</b>
18:00-19:00	Dinner

**10<sup>th</sup> Anniversary Conference | ENVECON 2014 – 2024**  
**Economics of Natural Resources & the Environment**



# Conference Schedule

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## Friday 06 December

**Opening – Welcome** 10:00-11:30  
**Keynote Speaker – Room B1** 11:30-12:00

*Topic: “The Triple Planetary Crises: Linkages Between Policies”*

**Professor Anil Markandya**

*Distinguished Ikerbasque Professor  
Basque Centre for Climate Change – BC3  
Honorary Professor at University of Bath*

**Coffee Break** 12:00-12:15  
**1<sup>st</sup> Session – Room B1** 12:15-14:00

**Topic** **Circular Economy and Bioeconomy**

**Chairperson** **Dr. Jaime Moll de Alba**

- 12:15-12:30** *The role of consumers and producers in implementing a circular bioeconomy: an Australian case study*  
Alice Payne, Clevo Wilson, Jeremy Webb,  
Uttam Khanal & Anushiya Thanapalan
- 12:30-12:45** *Circular Economy in the European Rubber and Plastics Industry*  
George E. Halkos, Jaime Moll de Alba,  
Panagiotis – Stavros C. Aslanidis & Christina Bampatsou
- 12:45-13:00** *Sustainable Management of Recyclable Waste in Educational Institutions: The Case of Aristotle University of Thessaloniki*  
Sofia Gerochristou & Maria Samolada
- 13:00-13:15** *Best Environmental Practices for the reduction and management of solid waste, energy and the promotion of circular economy: The case of Mediterranean spa hotel in Katerini*  
Panagiotis Vouros, Peni Lamprou, Christos Mitsokapas, Petros Dallas,  
Akrivi Vagena, Panagiotis Tridimas, Konstantinos Evangelinos  
& Panagiotis Grammelis
- 13:15-13:30** *Sustainability in municipal waste recycling: an empirical investigation of economic and institutional determinants*  
Ioannis Kostakis, George Halkos & Eleni Sardianou
- 13:30-13:45** *Global Bioeconomy: History, Visions and Limitations*  
Panagiotis Koronaios, Panagiotis Kalimeris & Georgios Maroulis

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**2<sup>nd</sup> Session – Room B20**

**12:15-14:00**

<b>Topic</b>	<b>Smart Technologies and Sustainable Development</b>
<b>Chairperson</b>	<b>Prof. Zacharoula Andreopoulou</b>
<b>12:15-12:30</b>	<i>Green IT and smart technologies for optimal economic efficiency of mineral resources and energy</i> <u>Chatzipanagiotou, A., Andreopoulou, Z. &amp; Koliouka, C.</u>
<b>12:30-12:45</b>	<i>Green certification in coastal areas of Greece as a significant factor for local development</i> <u>Delarda, E., Andreopoulou, Z. &amp; Koliouka, C.</u>
<b>12:45-13:00</b>	<i>Virtual Reality: A tool to promote tourism in the rehabilitated mines of Western Macedonia</i> <u>Koliouka, C.</u>
<b>13:00-13:15</b>	<i>Climate change and the environment in apps for disabled people: The use of digital media</i> <u>Terzi, E. &amp; Andreopoulou, Z.</u>
<b>13:15-13:30</b>	<i>Natural History Museums and Protected Areas Information Centres: Characteristics of video presentations and regional development</i> <u>Andreopoulou Zacharoula, Georgilas Argyrios &amp; Christos Liotiris</u>
<b>13:30-13:45</b>	<i>Fermentation technologies for bioethanol production: Prospects and challenges</i> <u>Morfopoulos Nikolaos &amp; Kamperidou Vasiliki</u>

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**Lunch Break**

**14:00-14:45**



3<sup>rd</sup> Session – Room B1

14:45-16:15

**Topic**

**Climate Change Adaptation**

**Chairperson**

**Prof. George Halkos**

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**14:45-15:00** *Development and application of a methodological framework for assessing the resilience of military infrastructure against climate change impacts*

Ilias Manolis, Christos Makropoulos, Athanasios Sfetsos  
& Antonios Skouloudis

**15:00-15:15** *Climate risk assessment on Fisheries and Aquaculture in Greece*

Vasileia Pentsiou, Charis Benetatos & Christina Papadaskalopoulou

**15:15-15:30** *Deciphering the footprint of climate risks on shaping inflationary devaluation pressures in developed economies*

Nikolaos A. Kyriazis, Konstantinos A. Dimitriadis,  
Emmanouil-Marios Economou & Sevasti-Maria Karakosta

**15:30-15:45** *An adapted model of climate change adaptation behavior*

Anastasia Gkargkavouzi & George E. Halkos

**15:45-16:00** *Value chain analysis and market analysis on advanced biofuels and RFNBOs of the FUELPHORIA Horizon Europe project*

Katakalos Stroikos, Ioannis Konstas, Aristotelis Folas, Stamatia Antonakoudi, Katerina Valta & Xaido Anthouli



**4<sup>th</sup> Session – Room B20**

**14:45-16:15**

**Topic**

**Sustainable Tourism and Transportation**

**Chairperson**

**Prof. Vassilios Profillidis**

**14:45-15:00**

*Drivers of air pollution in the Eurozone countries:  
An empirical analysis of the Environmental Kuznets Curve hypothesis*

George Ekonomou & George Halkos

**15:00-15:15**

*Payments for Ecosystem Services in the Tourism sector*

Alexandra Skouteli & Antonios Skouloudis

**15:15-15:30**

*Electric Vehicle Purchase Subsidization versus  
Public Transit Expansion – A Comparison for the Case of Greece*

Konstantinos Christidis, Vassilios Profillidis & George Botzoris

**15:30-15:45**

*Investigating the environmental footprint of university students' mobility*

Foteini Mikiki, Ermioni Katartzi, Georgia Avrami,  
Aikaterini Tzampazi & Athanasios Galanis

**15:45-16:00**

*Case study: Research on sustainable tourism in Thassos*

Christos Damaskos

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**Coffee Break**

**16:15-16:30**

**Keynote Speaker – Room B1**

**16:30-17:00**

*Topic: “Revisiting the specification of the relationship between  
CO<sub>2</sub> per capital emissions and income per capita.”*

**Professor Thanasis Stengos**

*Professor in Econometrics  
University of Guelph*



5<sup>th</sup> Session – Room B1

17:00-19:00

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**Topic**

**Energy Poverty and Inequality**

**Chairperson**

**Prof. George Halkos.**

**17:00-17:15**

*Socioeconomic inequalities persistence  
and their mediating effect upon pro-environmentalism stances*

Athina Economou & George Halkos

**17:15-17:30**

*Powering progress: Bridging energy inequality and energy poverty  
in Sub-Saharan Africa*

Nguyet T.M. Tran & Trung Thanh Nguyen

**17:30-17:45**

*Enhancing Energy Literacy to Alleviate Energy Poverty in Greece:  
Identifying Energy Consumption Knowledge and Behavioural Patterns*

Stefania Zourka, Paraskevi Alexiou, Sofia-Natalia Boemi,  
Nikolaos Ntavos & Ioannis Fallas

**17 :45-18:00**

*Economic and environmental impacts of sustainable wheat intensification:  
Insights from the eastern Indo-Gangetic Plain*

Gokul P. Paudel, Trung Thanh Nguyen & Jordan Chamberlin

**18:00-18:15**

*The new energy and climate architecture  
of the Eastern Mediterranean*

Andreas Stergiou

**18:15-18:30**

*Measuring Energy Poverty in Greece:  
Case Study of an Athenian Household*

Athanasios Atsalis





6<sup>th</sup> Session – Room B20

17:00-19:00

Topic	Forest Economics
<b>Chairperson</b> 17:00-17:15	<b>Assoc. Prof. Konstantinos Papaspyropoulos</b> <i>A text analytics literature review of the Faustmann natural resource economic model</i>  <u>Sofia Mpekiri &amp; Konstantinos G. Papaspyropoulos</u>
17:15-17:30	<i>Environmental NGOs as a key determinant in the implementation of eco-innovation by businesses</i>  <u>Theodora Vlamidou &amp; Konstantinos G. Papaspyropoulos</u>
17:30-17:45	<i>On the environmental accountability of blockchain systems</i>  <u>Lydia Negka &amp; Konstantinos G. Papaspyropoulos</u>
17:45-18:00	<i>Development of an Interactive Forest Fire Mapping Tool</i> <u>Morfopoulou, I. &amp; Mallinis, G.</u>
18:00-18:15	<i>Expectational and legitimation gaps in an experiment of SDG reporting in a public forestry organization</i>  <u>Konstantinos G. Papaspyropoulos, Dimitra Panori &amp; Christina Lamprou</u>
18:15-18:30	<i>Evaluation of the available indicators for Bioeconomy measurement within non-financial reporting frameworks</i> <u>Marina-Vassiliki Andreadou, Ioannis E. Nikolaou &amp; Konstantinos G. Papaspyropoulos</u>
18:30-18:45	<i>Forest Management Public Organizations and the adoption of ESG reporting: challenges and barriers</i>  <u>Victoria Datsi &amp; Konstantinos G. Papaspyropoulos</u>

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Dinner

19:00-20:00



## Saturday 07 December

7<sup>th</sup> Session – Room B1

10:00-11:30

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### Topic

### Novel Research Activities

### Chairperson

Asst. Prof. Giannis Adamos

**10:00-10:15** *Investigating How Extreme Events Trigger Nexus Effects and Developing a Nexus Methodological Framework to Increase Resilience*

Dimitris Kofinas, Cevza Melek Kazezyılmaz-Alhan, Giannis Adamos, Serena Caucci, Tamara Radjenovic, Dejana Đorđević, Tina Dasic, Cristina Calheiros, Nina Nikolova, Dejan Vasovic, Dijana Likar, Messaoud Lazreg, Edyta Hewelke, Jairo Guzman, Michael Nones, Sarah Milliken, Milena Rajic, Alexandra Spyropoulou, Müge Akın, Kemal Koca, Mirela Sertić Perić, Kaan Ilker Demirezen, Georgios Alexandros Chatzistefanou, Marco Falda, Sofia Almeida Pereira, Hai-Ying Liu, Carlos Felipe Marin Rivera, Argyrios Balatsoukas, Monika Suskevics, Julieta Domínguez-Soberanes, Bamgboye Taiwo, Violeta Vasilic, Rocío Pineda-Martos, Ivar Zekker, Stefania Munaretto, Floor Brouwer & Chrysi Laspidou

**10:15-10:30** *Educational Activity to create a Digital Biodiversity Observatory through the Citizen Science Approach*

Alexandra E. Ioannou & Chrysi S. Laspidou

**10:30-10:45** *The role of citizen science in improving the quality of life in cities: an innovative approach established in the MI-TRAP project*

Georgia Tseva, Giorgos Chatzinakos, Argyrios Balatsoukas, Ioanna Tyligada, Amaryllis Zachariadou, Stylianos Mimis, Giannis Adamos & Chrysi Laspidou

**10:45-11:00** *Tackling Environmental Risks with Nature-Based Solutions in EU Policies: Insights from Case Studies across Europe*

Alexandra Spyropoulou, Georgia Tseva & Chrysi Laspidou

**11:00-11:15** *Perspectives on Sustainability for Small-and-Medium-Sized Enterprises in Greece: A Quantitative and Qualitative Analysis*

Andreas Moursellas & Konstantinos Evangelinos & Antonios Skouloudis



**8<sup>th</sup> Session – Room B20**

**10:00-11:30**

<b>Topic</b>	<b>Quantitative Methods in Environmental Economics &amp; Management</b>
<b>Chairperson</b>	<b>Prof. Christos P. Kitsos</b>
<b>10:00-10:15</b>	<i>Natural resource management under deep uncertainty and congestion costs: Simultaneous versus serial dictatorship management</i>  <u>Petros Xepapadeas &amp; Anastasios Xepapadeas</u>
<b>10:15-10:30</b>	<i>The Influence of European Environmental Policies towards Carbon Neutrality: A Quantile Analysis of Green Technologies and Policy Effectiveness</i>  <u>Nikos Chatzistamoulou &amp; Andriana G. Dimakopoulou</u>
<b>10:30-10:45</b>	<i>Probability Oriented Environmental Data Analysis: Comparing Athens and Thessaloniki</i>  <u>Christos P. Kitsos &amp; C-S Nisiotis</u>
<b>10:45-11:00</b>	<i>A configurational approach to eco-innovation and innovation performance relationship: Does size matter?</i>  <u>George Koutsouradis, Kostas Kounetas &amp; Kostas Tsekouras</u>
<b>11:00-11:15</b>	<i>Ecologically Optimal Quantities Extraction. Conflicting cases.</i>  <u>George Emm. Halkos, George J. Papageorgiou, Emm. G. Halkos &amp; John G. Papageorgiou</u>

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**Keynote Speaker – Room B1**

**11:30-12:00**

*Topic: “Natural Hazards Management in an Era of Escalating Climate Crisis”*

**Professor Efthymios Lekkas**

Professor of Dynamic, Tectonic, Applied Geology and Natural Disaster Management  
at National and Kapodistrian University of Athens.

President of the Earthquake Planning and Protection Organization of Greece (EPPO)



Coffee Break  
9<sup>th</sup> Session – Room B1

12:00-12:15  
12:15-14:00

11

**Topic** **Health and Unexpected Events**

**Chairperson** **Assoc. Prof. Dr. Athina Economou**

**12:15-12:30** *Unraveling the Future: Forecasting Unexpected Natural Disasters in the Mediterranean and Balkan Region Amid Climate Change*

George Halkos & Argyro Zisiadou

**12:30-12:45** *Leadership as a Pillar of Change: Pioneering Sustainability Reporting in Healthcare Systems*

Anastasios Sepetis & Ioannis Parlavantzas

**12:45-13:00** *Virtual Reality Training in Occupational Health and Safety in High-Risk Industries: An Overview of Trends in the Mining and Petroleum Industries*

Stefanos Fotiadis, Vlasis Kasapakis & Konstantinos Evangelinos

**13:00-13:15** *Enhancing Mental Resilience of Employees in Supportive Frameworks for Vulnerable Populations*

Eleni Georganta & Kristina Kucheruk & Konstantinos Evangelinos

**13:15-13:30** *Quantile connectedness in renewable energy companies and related commodities during Covid-19 outbreak*

Bikramaditya Ghosh, Hayfa Kazouz & Dimitrios Papadas

**13:30-13:45** *Organizational changes as a condition for sustainable development*

Bousinakis Dimitrios



10<sup>th</sup> Session – Room B20

12:15-14:00

Topic	Growth, Institutions and Policies
<b>Chairperson</b> 12:15-12:30	<b>Prof. Michel Zouboulakis</b> <i>From stationarity to sustainability. Lessons from the Classics</i> <u>Michel S. Zouboulakis</u>
12:30-12:45	<i>Tracing the key determinants for a successful water management policy: Evidence from Classical Athens</i> <u>George E. Halkos &amp; Emmanouil M.L. Economou</u>
12:45-13:00	<i>Beyond GDP: A Proposal for Estimating the Genuine Progress Indicator (GPI) for the Greek Economy</i> <u>Georgios Maroulis Christos Tsirimokos &amp; Panagiotis Kalimeris</u>
13:00-13:15	<i>Water commons. The case of Stagiates</i> <u>Paschalis Arvanitidis &amp; George Papagiannitsis</u>
13:15-13:30	<i>Exploring farmers' intentions towards adoption of environmentally friendly pest management practices</i> <u>Giorgos N. Diakoulakis &amp; Irene Tzouramani</u>
13:30-13:45	<i>Constructing environmental subsidy rules. The feedback case.</i> <u>George Emm. Halkos, George J. Papageorgiou, Emm. G. Halkos, &amp; John G. Papageorgiou</u>

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Lunch Break

14:00-14:45

Keynote Speaker – Room B1

14:45-15:15

*Topic: “Sustainable Industrial Development and SDG 9: A Global Overview”*

**Dr. Jaime Moll de Alba**

Director of the Division of Strategic Programming,  
Results Monitoring and Quality Assurance  
United Nations Industrial Development Organization (UNIDO)





11<sup>th</sup> Session – Room B1

15:15-16:45

**Topic**                      **Environmental Innovative Policies & Applications**

**Chairpersons**

**Prof. George Halkos**

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15:15-15:30

*Revisiting the determinants of environmental policy stringency:  
Findings from a panel data for 33 countries, 1995-2020*

George Halkos & Antonios Skouloudis

15:30-15:45

*Empirical Evidence on Non-linear Relationships between  
Bitcoin Mining and Carbon Emissions*

Andreas Retouniotis, Eirini Stergiou, Manolis Tzagkarakis,  
& Kostantinos Kounetas

15:45-16:00

*From Data to Insight: Using Unsupervised Learning to Explore Financial  
and Sustainability Patterns in S&P 500 Firms*

Emmanouil Zaganidis, Periklis Gogas & Theophilos Papadimitriou

16:00-16:15

*Enhancing environmental-forestry education through  
Big Data and Analytical Tools for Sustainable Development*

Konstantinidis, L. & Andreopoulou, Z.

16:15-16:30

*Optimizing Renewable Energy Systems Placement Through  
Advanced Deep Learning and Evolutionary Algorithms*

Konstantinos Stergiou and Theodoros Karakasidis

16:35-16:45

*New paradigms in the role of ICT over environmental degradation*

Daniel Balsalobre-Lorente



12<sup>th</sup> Session – Room B20

15:15-16:45

<b>Topic</b>	<b>Corporate Social Responsibility &amp; Environmental Social Governance</b>
<b>Chairperson</b>	<b>Prof. Konstantinos Evangelinos</b>
<b>15:15-15:30</b>	<i>Approaches to Integrating ESG Principles &amp; Processes into Local Governments</i>  <u>Panagiotis Vouros &amp; Konstantinos Evangelinos</u>
<b>15:30-15:45</b>	<i>Exploring the Impact of Corporate Social Responsibility on Employee Mental Health, Resilience, and Job Satisfaction</i>  <u>Kristina Kucheruk &amp; Konstantinos Evangelinos</u>
<b>15:45-16:00</b>	<i>The impact of sustainable development goals at the national level</i>  <u>Vasilis Menexes-Emvraizoglou &amp; Pr. Dorothea Kasiteropoulou</u>
<b>16:00-16:15</b>	<i>Incorporating the TCFD Recommendations in corporate reporting: A study on the large-cap companies listed in the Athens Stock Exchange</i>  <u>Polyxeni-Panagiota Nana &amp; Antonios Skouloudis</u>
<b>16:15-16:30</b>	<i>Collaboration Between Companies and NGOs: Creating Inclusion and Mutual Benefits</i>  <u>Kristina Kucheruk, Pavlina Papilia &amp; Konstantinos Evangelinos</u>

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**Coffee Break**

**16:45-17:00**

**Keynote Speaker – Room B1**

**17:00-17:30**

**Honorary Greetings**

**Closing**

**17:30-18:00**



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**Thank you very much!**  
**The Scientific & Organizing Committees**



**10<sup>th</sup> Anniversary Conference | ENVECON 2014 – 2024**  
**Economics of Natural Resources & the Environment**