



CreoVate
CONFERENCES

**INTERNATIONAL CONFERENCE ON
CLIMATE CHANGE, SUSTAINABILITY, &
RENEWABLE ENERGY**

October 15-16, 2026 | Grand Majestic Hotel Prague, Czech Republic

Welcome Message from the Conference Chair

Welcome to ClimateEnergy2026

People. Ideas. Solutions. For a Net Zero Tomorrow.

It is a great pleasure to welcome you to the International Conference on Climate Change, Sustainability and Renewable Energy (ClimateEnergy2026), here in the historic city of Prague.

This conference brings together a diverse community of experts, innovators and change-makers from across the world, united by a shared commitment to a cleaner, more resilient and more sustainable future. Over the coming days, we will exchange knowledge, challenge conventional thinking and explore practical solutions to some of the most important energy and environmental challenges of our time.

I encourage you to engage fully – in the sessions, in the discussions and, perhaps most importantly, with each other. It is through collaboration that we can turn ideas into impact.

I wish you an inspiring and productive conference.



Warm regards,
Stephen North
Conference Chair
Managing Director, Hyonic Ltd
United Kingdom





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Welcome Message from the Conference Co-chair

Rather than being merely an environmentalist topic in a wide sense, climate change is an interdisciplinary topic in the widest sense of the term.

However, let's return for a moment to the situation when The Limits to Growth are being created by a team under the leadership of Dennis L. Meadows in the 1970s. Allow me to list all respectable members of this team of authors:

Dennis L. Meadows, director, USA; Alison A. Anderson, USA (pollution); Jay M. Anderson, USA (pollution); Ilyas Bayar, Turkey (agriculture); William W. Behrens III, USA (resources); Farhad Hakimzadeh, Iran (population); Steffen Harbordt, Germany (social and political trends); Judith A. Machen, USA (administration); Donella H. Meadows, USA (population); Peter Milling, Germany (economy); Nirmala S. Murthy, India (population); Roger F. Naill, USA (resources); Jørgen Randers, Norway (pollution); Stephen Shantzis, USA (agriculture); John A. Seeger, USA (administration); Marilyn Williams, USA (documentation); Erich K. O. Zahn, Germany (agriculture).

The list shows clearly that the key environmentalist prognostic document for the subsequent decades was and still is (as it is still current) of an interdisciplinary character.

ClimateEnergy (Climate Change, Sustainability & Renewable Energy, October 15-17, 2026 | Grand Majestic Hotel Prague | Prague, Czech Republic) is interesting from the start precisely due to the undisputable interdisciplinary approach and the effort to return the global climate change debate to its interdisciplinary beginning.

I am personally also delighted that Climate Change and Cultural Heritage: Risks, Resilience & Sustainable Preservation appears as part of Scientific Sessions. I see this as a major creative step forward.



Warm regards,

Tomáš Hájek

Conference Co-chair

International Association of Landscape Archaeology, Czech Republic



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Conference Host / Anchor

- Mr. Francisco Mulet-Mery

Delegates from organization, Hilton Garden Inn Vilnius City Centre, Lithuania, are part of the conference.



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Day-1 | October 15, 2026

08:30-09:00	On-Spot Registration & ID Card Collection
09:00-09:30	Opening Ceremony by Conference Chair-Stephen North & Co-chair- Tomáš Hájek
Plenary Presentations (09:30-13:05)	
09:30-10:10	Title: Solar Activity, Cosmic Rays, and Geophysical Events: A New Piece of the Puzzle for Understanding Climate Change Valentino Straser , <i>University of Makeni, Sierra Leone</i>
10:10 – 10:50	Title: Hydrogen as a Service: From Selling Technology to Delivering Energy Outcomes Miguelangel Ocando , <i>Founder and CEO, H2Vector, Spain</i>
10:50 – 11:05	Tea/Coffee & Networking Break
11:05 – 11:45	Title: Trends and Needs in Water Management Victor Monsalvo , <i>Director of Innovations, Aqualia, Spain</i>
11:45 – 12:25	Title: Capturing the Carbon Cycle: Sustainable Fuels and Chemicals from Lignocellulose Stephen W. Fitzpatrick , <i>CEO, Biofine Technology LLC, USA</i>
12:25 – 13:05	Title: Poseidon Hydroelectric System Richard Navarro , <i>CEO, Renewable Ocean Energy, Inc., USA</i>
13:05 – 14:05	Lunch & Networking + Group Photo
Keynote Presentations (14:05-17:05)	
14:05 – 14:35	Title: Impact of Anaerobic Digestion Kinetics on Process Performance for Selected Organic Wastes Krzysztof Pilarski , <i>Faculty of Environmental Engineering and Mechanical Engineering, Poznań University of Life Sciences, Poland</i>
14:35 – 15:05	Title: The Role of Biogas Plants in Sustainable Development and Climate Protection Agnieszka Pilarska , <i>Faculty of Environmental Engineering and Mechanical Engineering, Poznań University of Life Sciences, Poland</i>
15:05 – 15:35	Title: Energy Systems Transition in a Climate-Constrained World: Economic Governance, Market Integration, and Policy Design Marta Ferreira Dias , <i>GOVCOPP, DEGEIT, University of Aveiro, Portugal</i>
15:35 – 15:50	Tea/Coffee & Networking Break
15:50 – 16:20	Title: EU ETS and the Electricity Market: A Comparative Case Study Anna Hnydiuk-Stefan , <i>Opole University of Technology, Poland</i>
16:20 – 17:05	Title: The 2nd scientific revolution in construction with market-driven retrofitting to repair the climate Mark T. Bomberg , <i>Clarkson University, USA</i> Małgorzata Fedorczyk-Cisak , <i>Cracow University of Technology, Poland</i>
Featured Presentations (17:05-17:45)	
17:05– 17:25	Title: R&D and Innovation in the Water Utility Sector: SmVaK Initiatives Radka Matová , <i>Project Specialist with a focus on the EU, Innovation Department, Aqualia, Czech Republic</i>

17:25 – 17:45	Title: Mechanical Pre-treatment Assisted Pyrolysis for Efficient PVDF Removal from Spent Lithium-ion Battery Black Mass
	Francisco Mulet Mery , <i>Catholic University of the North, Chile</i>
Certificate Distribution & Speaker Recognition	
Day 1 Closing Section (Highlights)	
Summary of sessions and key takeaways, Announcements for Day 2 schedule, Appreciation to speakers, participants, and organizers	

Day-2 October 16, 2026	
Plenary Presentations (9:30-13:05)	
09:30 – 10:10	Title: Development of Renewable Liquid Fuels from Woody Biomass – From Lab to Pilot Scales
	Hemant P. Pendse , <i>Professor Emeritus of Chemical Engineering & Director Emeritus, FBRI, University of Maine, USA</i>
10:10 – 10:50	Title: Leading the Sustainability Transformation: The Role of Higher Education in Accelerating Climate Action
	Sherine Farouk , <i>Assistant Chancellor for Global Partnerships and Impact, Abu Dhabi University, UAE</i>
10:50 – 11:05	Tea/Coffee & Networking Break
11:05 – 11:45	Title: Energy Resilience in Challenging Times
	Deborah Allen , <i>Director, BAE Systems, UK</i>
11:45 – 12:25	Title: Analysis of Geosynthetics Industry Considering AI Linkage with Eco-friendliness, Sustainability, and Circular Processes
	Han-Yong Jeon , <i>Inha University, South Korea</i>
12:25 – 13:05	Title: Batteries as a Service (BaaS): Transforming Energy
	Stephen North , <i>Managing Director, Hyonic Ltd, UK</i>
13:05 – 14:05	Lunch & Networking + Group Photo
Keynote Presentations (14:05-15:05)	
14:05 – 14:35	Title: On the Structure and Evaluation of the Current Mass Development of Photovoltaics as Regards Synergies and Conflicts with Monument Care Principles
	Tomáš Hájek , <i>Czech Republic, International Association of Landscape Archaeology</i>
14:35 – 15:05	Title: The Energy-Climate Nexus within European Union Law: Constitutional Tensions, Legislative Integration, Jurisprudential Evolution
	Paulo Canelas de Castro , <i>Faculty of Law, University of Macau, Macau SAR, China</i>
Featured Presentations (15:05-16:20)	
15:05 – 15:25	Title: The Impact of Corporate ESG Performance on Stock Price Efficiency
	Sinian Zheng , <i>UCD Michael Smurfit Graduate Business School, Ireland</i>
15:25 – 15:40	Tea/Coffee & Networking Break
15:40 – 16:00	Title: When the Rain Does Not Come: Rural Women Finding Another Way
	Muchimba Sinzala , <i>Czech University of Life Sciences Prague, Czech Republic</i>

16:00 – 16:20	Title: Rainfall Variability and Drought Dynamics in the Sebou Basin (Morocco): ERA5 Bias Correction Using Quantile Mapping and Trend Analysis, 1980–2024
	Kawtar Rezkallah , <i>Laboratory of Ecology and Environment (LEE), Faculty of Sciences Ben M'Sick, Hassan II University of Casablanca, Morocco</i>
Poster Session & Networking (16:20-17:40)	
P01	Title: A New Water Governance for the River Doce Basin, Minas Gerais, Brazil
	José Augusto Costa Goncalves , <i>Federal University of Itajubá, Brazil</i>
P02	Title: Climate Change, Energy Dynamics, and the Green Transition in the European Union: A Panel VAR Analysis
	Bojan Pejovoc , <i>Faculty of Economics, University of Montenegro, Serbia</i>
P03	Title: Synthesis and Characterization of ZnO, TiO ₂ , and ZnO/TiO ₂ for the Photocatalytic Evaluation of Paracetamol and Trimethoprim/Sulfamethoxazole
	Joel Esaú Guzmán Ruiz , <i>UPCH y UNICACH, Mexico</i>
P04	Title: Spatial Variability of Surface Soil Saturated Hydraulic Conductivity in a Small Karst Catchment of Minas Gerais, Brazil
	José Augusto Costa Goncalves , <i>Federal University of Itajubá, Brazil</i>
Video Presentation (17:40-18:00)	
17:40 – 18:00	Title: Robust Grid Operations with Significant Renewable Penetration
	Kwok W. Cheung , <i>Founder & CEO, KC-Exousia Consulting, USA</i>
Certificate Distribution & Speaker Recognition	
Day 2 Wrap-Up & Highlights –Conference Conclusion & Group Photograph	

Shaping a Sustainable Future Together

As we conclude ClimateEnergy2026 in Prague, a city at the heart of Europe, we extend our sincere appreciation to all speakers, delegates, researchers, industry professionals, policymakers, sustainability leaders, and partners who contributed to the success of the conference.

Over these two days, ClimateEnergy2026 has brought together diverse perspectives across climate change, sustainability, and renewable energy, creating a platform for meaningful dialogue, knowledge exchange, and collaboration. From scientific research and technological innovation to policy, finance, governance, and practical solutions, each session and interaction has contributed to a broader understanding of the challenges and opportunities shaping our sustainable future.

Your participation reflects a shared commitment to addressing climate change, accelerating the transition to clean and renewable energy, and advancing sustainable solutions for communities, industries, and economies worldwide.

We hope that ClimateEnergy2026 has provided you with valuable insights, meaningful connections, and new opportunities for collaboration. As you return to your respective institutions and organizations, we wish you a safe and pleasant journey home and look forward to continuing this important dialogue in the years ahead.

Warm regards,
Sairaj
Conference Secretary
Creovate Conferences

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