Arizona State University · THE UNIVERSITY OF BRITISH COLUMBIA · University of Exeter · ISU ISTINYE UNIVERSITY ISTANBUL

New Carbon Economy Consortium

2026 Annual Meeting

The New Carbon Economy Consortium (NCEC) is a collaboration of leading universities, national labs, financiers, NGOs, and industry partners advancing a carbon-conscious future.

It will convene its 2026 Annual Meeting to accelerate pathways for large-scale carbon removal deployment and a just transition toward a negative-emissions economy.

November 4 – 6 November 2026

Istinye University, Istanbul

newcarboneconomy.org

NCEC

NEW CARBON ECONOMY CONSORTIUM

ANNUAL MEETING 2026

November 4-6, 2026

The Istinye University, Istanbul, Turkiye

Istinye University
Vadi Main Campus
Congress Hall, Istanbul

DAY 1: November 4, 2026 - Wednesday

Time	Session / Subject	Welcoming Committee
18:00-20:30	**Opening Gathering** ***Dinner*** Istinye University Main Campus Dining Hall	1. **Hatice Gülen,** Istinye University Vice Rector 2. **Amanda Ellis**, NCEC Co-Chair 3. **Martin Siegert**, NCEC Co-Chair 4. **Krista O'Brien,** NCEC Secretariat

Welcoming Committee



Prof. Hatice Gülen
Vice Rector for Strategic Transformation, Istinye University

Prof. Hatice Gülen is Vice Rector for Strategic Transformation at Istinye University, Istanbul, a role she has held since 2025, having previously served as Vice Rector for Research and Development from 2021. She completed her undergraduate, Master's, and doctoral studies at Çukurova University, earning her Ph.D. in Plant Molecular Physiology in 2000, with research carried out at West Virginia University as a TÜBİTAK scholar. She has held academic positions at Uludağ University and Istanbul Bilgi University, where she founded plant biotechnology research laboratories and led the development and accreditation of Molecular Biology, Genetics, and Bioengineering programs.

Prof. Gülen is a recognized authority in higher education quality assurance, serving as an accreditation evaluator for both MÜDEK (the Association for Evaluation and Accreditation of Engineering Programs) and YÖKAK (the Turkish Higher Education Quality Council). She has contributed to numerous national and international research projects in green biotechnology and plant molecular physiology and holds three national and one international patent. She has also served as an external research evaluator for the EU Marie Skłodowska-Curie COFUND action USAL4EXCELLENCE. At Istinye University, she leads the institution's strategic planning, digital transformation, and performance management in alignment with the University's 2030 Vision.

Welcoming Committee



Amanda Ellis

Senior Director, Global Partnerships and Networks, ASU Julie Ann Wrigley Global Futures Laboratory

Co-Chair, New Carbon Economy Consortium (NCEC)

Former UN Ambassador and New Zealand Prime Minister's Special Envoy Amanda Ellis is a global leader in sustainable development and international cooperation, currently serving as Senior Director of Global Partnerships and Networks for ASU's Julie Ann Wrigley Global Futures Laboratory. She serves concurrently as co-chair of the New Carbon Economy Consortium and of the WE Empower UN SDG Challenge, launched by the UN Secretary General and the President of the World Bank in 2018 to promote inclusive entrepreneurship.

Ms Ellis' career includes senior diplomatic roles, notably as Deputy Secretary in the New Zealand Foreign Ministry, Prime Minister's Special Envoy, Permanent Representative and Ambassador to the United Nations in Geneva, where she played a key role in the country's successful UN Security Council campaign and co chaired the UNSC High Level Group on Humanitarian Access into Syria. She previously led New Zealand's international development program and held leadership roles at the World Bank Group, where she also managed the World Bank President's Global Private Sector Leaders CEO Forum. A founding member of the Global Banking Alliance for Women, Ms Ellis now serves as advisor to venture climate accelerators, Blue Startups and Elemental Accelerator.

A twice best-selling business author (Random House), Trustee of the World Academy of Art and Science, advisor to global governance and climate action organizations, Amanda brings deep expertise in multilateral engagement, gender equity, and systems level sustainability. As Co-Chair of the New Carbon Economy Consortium, she helps drive global multi stakeholder collaboration toward just, inclusive, and effective carbon removal futures.

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Martin has led major international research programs and participated in multiple Antarctic expeditions, contributing more than 250 publications and several books to the field. Before joining Exeter, he served as co-Director of the Grantham Institute at Imperial College London and held senior leadership roles at the University of Edinburgh. Martin frequently engages public, private, and policy audiences on the urgency of the net zero transition, translating polar science into actionable insights for global climate strategy. As Co-Chair of the New Carbon Economy Consortium, he helps guide collaborative efforts to accelerate carbon removal innovation and support evidence-based pathways toward a negative emissions future.

DAY 2: November 5, 2026 – Thursday

09:20 – 10:00	**Opening Ceremony & Welcome Remarks**	**Speakers** • **Hatice Gülen**, NCEC Chair, Vice Rector Istinye University • **Amanda Ellis**, NCEC co-chair, Senior Director Arizona State University Global Futures Laboratory • **Martin Siegert**, NCEC co-chair, Deputy Vice Chancellor (Cornwall) University of Exeter • **Tuba Budak,** Vice Presidency of Climate and Life Sciences, TÜBİTAK MAM; Leader, Resource Efficiency and Clean Energy Research Group • **Erkan İbiş,** Rector, Istinye University

Welcome Remarks	**In-person**
	**Prof. Hatice Gülen** Vice Rector for Strategic Transformation, Istinye University

Prof. Hatice Gülen is Vice Rector for Strategic Transformation at Istinye University, Istanbul, a role she has held since 2025, having previously served as Vice Rector for Research and Development from 2021. She completed her undergraduate, Master's, and doctoral studies at Çukurova University, earning her Ph.D. in Plant Molecular Physiology in 2000, with research carried out at West Virginia University as a TÜBİTAK scholar. She has held academic positions at Uludağ University and Istanbul Bilgi University, where she founded plant biotechnology research laboratories and led the development and accreditation of Molecular Biology, Genetics, and Bioengineering programs.

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Welcome Remarks



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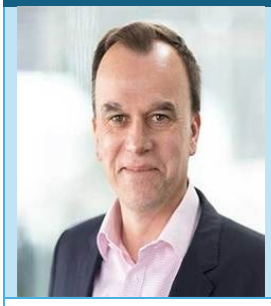
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Welcome Remarks



Tuba Budak
Vice Presidency of Climate and
Life Sciences, TÜBİTAK MAM; Leader,
Resource Efficiency and Clean Energy Research Group

Dr. Tuba Budak serves within the Vice Presidency of Climate and Life Sciences at TÜBİTAK Marmara Research Center (MAM) and leads the Resource Efficiency and Clean Energy Research Group, a position she has held since 2022. Her work focuses on cleaner production technologies, resource efficiency, eco-labelling, life cycle assessment (LCA), and green and digital transformation projects at both national and international levels.

With over twelve years at TÜBİTAK MAM, Dr. Budak has progressed from researcher to senior researcher to her current leadership role, coordinating interdisciplinary applied research aligned with sustainable development goals and environmental management priorities. She oversees the Cleaner Production Training Programme and Green Productivity Audit Program, and manages applied R&D initiatives including value-added product development and process-based environmental impact studies. Her expertise bridges scientific research and policy-relevant sustainability practice across Turkey's green transformation agenda.

Welcome Remarks



Erkan İbiş
Rector, Istinye University

Prof. Erkan İbiş is a distinguished academic, physician, and university administrator with over four decades of experience in nuclear medicine and higher education leadership. He graduated from Hacettepe University Faculty of Medicine in 1982 and completed his specialisation at Ankara University Faculty of Medicine, where he was appointed Associate Professor in 1991 and Professor in 1997 in the Department of Nuclear Medicine. He gained international research experience at the University of Wisconsin Milwaukee Teaching Hospital and received radiation protection training from the International Atomic Energy Agency (IAEA). He has published over 50 articles in SCI-indexed journals and holds an H-index of 14.

Prof. Dr. İbiş served Ankara University in numerous senior roles including Deputy Chief Physician, Chief Physician of Cebeci Hospital, Head of the Department of Nuclear Medicine, Vice Rector, and Rector for two consecutive terms from 2012 to 2020. He has been recognised with state honours from Romania, Italy, and Hungary, and has received multiple national awards including the TÜBİTAK Behçet's Disease Research Award. He currently serves as a member of the Public Officials Ethics Board and the Ministry of Health Medical Specialization Board. Appointed Acting Rector of Istinye University in January 2022 and confirmed as Rector by Presidential Decree in July 2022, he continues to lead the university's academic and institutional development.

10:00 – 10:20	**Keynote Speech 1**	**Jens Nielsen,** Founder and CEO of the World Climate Foundation, NCEC Advisory Board Member



KEY NOTE SPEAKER 1

Jens Nielsen
Founder and CEO of the World Climate Foundation, NCEC Advisory Board Member

Jens Nielsen is the founder and CEO of the World Climate Foundation, a global partnership network advancing climate and biodiversity solutions through cross-sector collaboration. He leads initiatives that mobilize investment, accelerate policy alignment, and support countries and companies in designing effective transition strategies. Under his leadership, the Foundation has built influential coalitions, including the Climate Investment Coalition, a public-private partnership recognized for catalyzing multi-billion-dollar commitments toward climate aligned investments.

Jens has partnered with governments, cities, and major corporations worldwide to develop integrated approaches to green transformation and has overseen the creation of impact platforms spanning climate, biodiversity, and health. His governance contributions include board roles with the Climate Planet Foundation, Art2030, and Greenlab Innovation Foundation. Trained as a political economist, Jens has held senior executive roles across Europe, North America, and Asia, advising organizations in more than 20 countries.
Link: https://experts.exeter.ac.uk/18876-dan-bloomfield World Climate Foundation World Climate Summit

10:20 **10:40**	**Keynote Speech 2**	**İsmail Doğan,** Erdemir Ereğli Iron and Steel Works Co., Board Member



KEYNOTE SPEAKER 2

Ismail Doğan
Board Member and Executive Director, Ereğli Iron and Steel Works Co. (Erdemir)

İsmail Doğan is a Board Member and Executive Director of Ereğli Iron and Steel Works Co. (Erdemir), representing OYKA Kağıt Ambalaj Sanayi ve Ticaret A.Ş. He graduated from Boğaziçi University with a degree in Industrial Engineering in 2008.

Throughout his career, he has held senior leadership and management positions across public institutions, consulting firms, and industrial organizations. He served as Vice President of TÜBİTAK from 2023 to 2025 and as Director of TÜBİTAK TÜSSİDE between 2018 and 2024. Earlier in his career, he worked at Ernst & Young (EY) as Senior Manager/Director and at PricewaterhouseCoopers (PwC) as Manager/Senior Manager.

He has also served on the boards of several major institutions and companies, including the Turkish Space Agency (TUA), STM, TÜBİTAK, and various OYAK Group companies. As of 2026, he continues to hold board and executive responsibilities within Erdemir and İskenderun Demir ve Çelik A.Ş., bringing extensive experience in strategy, governance, industrial transformation, and organizational management.

Link: Erdemir Board of Directors / İsmail Doğan

10:40-11:50	**Session 1:** **Global Decarbonization Strategies** **& Net-Zero Targets**	**Moderator: Amanda Ellis,** Arizona State University • **Bhavik Bakshi,** Arizona State University • **Parisa Pakrooh**, University of Milan-Bicocca • **Banu Yılmaz,** Ad Net Zero Türkiye / REPİD • **Kyle Datta,** Teneo

Moderator



Amanda Ellis

Senior Director, Global Partnerships and Networks, ASU Julie Ann Wrigley Global Futures Laboratory

Co-Chair, New Carbon Economy Consortium (NCEC)

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Bhavik Bakshi
Professor, School for Engineering of Matter, Transport and Energy
Senior Global Futures Scientist
Global Futures Scientists, Arizona State University

Prof Bhavik Bakshi holds the Wrigley Professorship at Arizona State University with appointments in the School for Engineering of Matter, Transport and Energy, the School of Sustainability, and the School of Complex Adaptive Systems. He is also Richard M. Morrow Professor Emeritus of Chemical and Biomolecular Engineering at The Ohio State University. He holds a Bachelor of Chemical Engineering from the Institute of Chemical Technology in Mumbai, and an MS and PhD in Chemical Engineering from the Massachusetts Institute of Technology, with a minor in Technology and Environmental Policy through Harvard University's Kennedy School of Government.

His research develops systematic methods to ensure engineering enables an effective transformation toward sustainability, with specific focus on product, process, supply chain, and landscape design for a sustainable circular economy. His work has been recognized with numerous awards including the Computing in Chemical Engineering Award and the Lawrence K. Cecil Award from the American Institute of Chemical Engineers (AIChE), the CAREER Award from the U.S. National Science Foundation, and Education Leadership in Life Cycle Assessment Award from the American Council for LCA. He has also served on task forces of the United Nations Environment Program.



Parisa Pakrooh
Marie Sklodowska-Curie Postdoctoral Research Fellow
Department of Economics, Management and Statistics (DEMS),
University of Milano-Bicocca, Milan, Italy

I am a Marie Skłodowska-Curie Postdoctoral Research Fellow in the Department of Economics, Management and Statistics at the University of Milano-Bicocca, Milan, Italy. I hold a PhD in Natural resource and environmental economics. My research interests include environmental economics, agricultural economics, and applied econometrics.

My current research examines the dynamics of the European Union's decarbonization process, focusing on the interactions among the energy transition, emissions trading systems, circular-economy practices, digitalization, resource efficiency, and carbon emissions. The work applied econometric, causal-discovery, and machine-learning methods to evaluate climate-policy effectiveness and progress toward net-zero targets.



Banu Yılmaz
Founder, Sustainlook Sustainability and ESG Consultancy | Ad Net Zero Türkiye / REPİD

Dr. Banu Yılmaz is a sustainability strategist and ESG consultant with over 30 years of corporate experience, academic study, and field practice. She is the founder of Sustainlook, an Istanbul-based sustainability consultancy established in 2017 that provides services in ESG performance rating, carbon accounting, decarbonization, and sustainability reporting to organizations across Turkey and internationally. Her work spans the preparation of environmental policies, climate action plans, and all corporate sustainability documentation aligned with qualitative and quantitative data.

Dr. Yılmaz is the developer of the "Purpose-Driven Co-Creation Model," a multi-stakeholder management methodology she designed for complex sustainability initiatives including Carbon Net Zero projects, climate action plans, biodiversity studies, and circular economy plans. Her areas of expertise include sustainability reporting under GRI, TSRS, and Integrated Reporting frameworks, ESG corrective action planning, CDP preparations, and stakeholder engagement strategy. She holds a doctorate from Istanbul Bilgi University and advises corporations on building sustainable collaborations across their entire value chains in alignment with the UN Sustainable Development Goals.



Kyle Datta
Executive Director, Pacific Region, Teneo

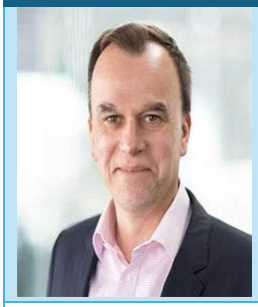
Kyle Datta is Executive Director, Pacific Region for the Energy & Infrastructure team at Teneo. leading engagements on the energy transition in renewables, distributed energy resources, green molecules, hydrogen, next generation grid, advanced fuels, and sustainability. Kyle Datta's long and distinguished career in the energy sector includes Managing Partner of Booz Allen & Hamilton's Asia Energy Practice and U.S. Utilities Practice, Principal at Roland Berger, Managing Director of Rocky Mountain Institute, CEO of U.S. Biodiesel Group, and founder and General Partner of the Pierre Omidyar's Ulupono Initiative investment firm.
Kyle Datta has over twenty years of thought leadership as a pragmatic leader of transformative change in distributed energy. Starting with his co-authoring RMI's Small is Profitable with Amory Lovins in 2002, Mr. Datta led the ground-breaking regulatory framework in Hawaii and supported several major utilities in accelerating demand response and distributed solar. At Ulupono, Mr. Datta led investment in advanced energy technologies. Over the last few years,

he has led redesigning of entire grid architectures to enable mass scale renewable, distributed energy, and electrification adoption for SCE and PREPA. These efforts were designed to co-optimize affordability, resilience/reliability and environmental climate goals.

<<coffee break>>

12:30 – 13:20	**Session 2:** **Soil Carbon**	**Moderator:** **Martin Siegert,** NCEC co-chair • **Leigh Ann Winowiecki,** CIFOR-ICRAF (V) • **Peter BenHur Nyeko,** Mandulis Energy • **Hariette Brainard,** HB Invest Earth (V)

Moderator



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Co-Chair, New Carbon Economy Consortium (NCEC)

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Dr. Leigh Ann Winowiecki
Global Research Leader: Soil and Land Health, Landscape Alliance (CIFOR & ICRAF)
Co-lead: Coalition of Action 4 Soil Health (CA4SH)

Dr. Leigh Ann Winowiecki is the Global Research Lead for Soil and Land Health at Landscape Alliance (ICRAF) based in Nairobi, Kenya. A soil scientist with extensive experience across sub-Saharan Africa and the tropics, she leads research on landscape restoration, the drivers of land degradation, and the influence of land management practices on soil health and ecosystem resilience. Since 2009, she has co-developed and led the implementation of the Land Degradation Surveillance Framework (LDSF) in more than 45 countries, contributing to one of the largest georeferenced datasets of soil, vegetation and ecosystem health indicators across the tropics. The Soil and Land Health Theme also includes the Spectral and Living Soils Laboratories, which analyse more than 20,000 soil samples annually using advanced light-based spectroscopy.

Dr. Winowiecki is a co-founder of the Coalition of Action 4 Soil Health (CA4SH), a global multi-stakeholder partnership bringing together more than 350 organisations and individuals to advance soil health through coordinated action, knowledge sharing and investment. Through CA4SH, she has helped elevate soil health within regional, continental and international policy dialogues, including engagement at the UNCCD and UNFCCC COPs. She serves on the Scientific and Monitoring Task Forces of the UN Decade on Ecosystem Restoration, is a member of the Regen10 Expert Network, and serves on the Board of the International Fertilizer Development Center (IFDC) and the Varda Foundation.



Peter BenHur Nyeko
Mandulis Energy

Peter co-founded & has led Mandulis Energy to a decade of operations & scaling Globally. He is a World Economic Forum Top Innovator for both Humanitarian and Resilience Initiatives, and Circular Solutions.

He’s curated Mandulis' 'BEPEARL' approach to sustainable development, which combines (Bio-Energy Carbon Capture & Storage) BECCS & (Biomass Carbon Removal & Storage) BICRS; to deliver nature-linked, engineered, high-quality megatons of CDRs (Carbon dioxide Removals); Alongside Affordable, Reliable & Renewable Energy, Sustainable Fuels, and Biochar-based fertilizers. Peter's journey has included renewable energy, entrepreneurship and

climate finance. His outlook leverages his varied experiences: from over two decades in the diaspora, through Ballroom champion, Equestrian, & Multilingual Thespian; To Aerospace Engineer & Alumnus of Bristol, Cranfield, UWE, & IESE Business School.



Harriette Brainard
HB Invest Earth; Alimenta
Founder, systems consultant: climate, food, health and capital

Harriette Brainard works where soil health, human health and capital meet. She is a certified sustainability consultant whose work draws on systems thinking and ecological economics. For three years she was Director of Communications and Business Development at Soil In Formation (SIF), a global start-up that measures soil health with new technology. Today she runs her own consultancy on natural capital, biodiversity, health and food systems. She is also part of the team at Bramble Run, an investment group working to scale regenerative agriculture, and advises companies that improve soil health through on-site practice and remote sensing technology. Her goal is to build the knowledge and investor trust needed to move capital toward regenerative land and ocean systems. She will soon co-launch Alimenta with this focus.

Harriette is an advisory board member for IMPAKT IQ and Food + Planet, sits on the Food and Innovation Council at Tufts University's Friedman School of Nutrition Science and Policy, and is a founding council member of Grow United. She has helped launch and support initiatives including North Star Transition, Nourish Hawaii, Carolina Farm Trust and C-Change Conversations. She has also founded a farm-to-table restaurant, a regional magazine, and several nonprofit and educational programs.

<<Lunch Break>>

14:20-14:40	**Keynote Speech 3** Climate Change, Environmental Exposures & Human Health	**Cezmi A. Akdiş,** University of Zurich / Swiss Institute of Allergy and Asthma Research (SIAF), Switzerland

In-person



Prof. Cezmi Akdis
University of Zurich / Swiss Institute of Allergy and Asthma Research (SIAF), Switzerland

Prof. Cezmi Akdis is the director of the Swiss Institute of Allergy and Asthma Research (SIAF) in Davos and Professor in Zurich University Medical Faculty. He has honorary professorships from Beijign Cantional University Tongren Hospital (China), Wuhan University (China), Zhejiang University (Hangzhou, China) Bursa Uludag University (Turkey), Peking University, China and Harvard University (USA). Cezmi Akdis has published more than 800 peer-reviewed articles.

His h-index is 179 (Scholar one) 138 (Web of Science). Cezmi Akdis acted as the President of the European Academy of Allergy & Clinical Immunology (22,000 members) between 2011-2013. He is a senate member of the Swiss Academy of Medical Sciences. He was the editor of Global Atlases of Allergy, Asthma I-II, Chronic Rhinosinusitis and Allergic Rhinitis, Planetary Health, and Co-Editor of Pediatric Allergy. He is currently the Editor-in-Chief of the Allergy journal.

14:40 – 15:50	**Session 3:** **Economic Policy, Governance and the Future of Carbon Trade**	**Moderator:** **Prof.Dr. Figen Yıldırım,** Istinye University • **Ahmet Onur Agca,** Aston University, UK • **Haluk Haksal,** Economist • **Gazi Polat,** Kırşehir Ahi Evran University • **Giray Gözgör,** University of Bradford, UK (R)

Moderator



Figen Yıldırım
Dean, Faculty of Economics, Administrative and Social Sciences,
Istinye University

Prof. Dr. Figen Yıldırım is a Professor of Marketing and Dean of the Faculty of Economics, Administrative and Social Sciences at Istinye University, Istanbul, a position she has held since July 2024. She holds a bachelor's degree in economics from Marmara University, a master's degree from Yeditepe University, and a Ph.D. in Business Administration from Marmara University (2008). She has been personally involved in the design, curriculum development, and quality improvement of numerous undergraduate and graduate programs, and has served as expert and coordinator on European Union and public sector projects focused on international trade, marketing, branding, sustainability, and digitalization.

Her research spans marketing, sustainability in supply chain management, retail, health tourism, international trade, digital marketing, and brand management. She brings extensive private sector experience across multiple industries with a focus on fast-moving consumer goods and serves as a business development specialist and brand consultant in international trade and marketing. She is also an Advisor at Peninsula Corporate Finance and has authored several books including "The Art of Predicting Future Trends" (2024) and "The Future of Sectors and Professions" (2020). She has published research on green supply chain design, COVID-19 vaccine supply chains, and precipitation forecasting.



Ahmet Onur Agca
Lecturer in Supply Chain Management, Aston University, UK

Ahmet Onur Agca is a Lecturer in Supply Chain Management in the Engineering Systems and Supply Chain Management Department at Aston University, Birmingham, United Kingdom, a position he has held since April 2024. Prior to joining Aston University, he served as a Senior Research Associate at Loughborough Business School, Loughborough University. He also serves as an External Expert at Norwich Business School, University of East Anglia.

His research and teaching focus on supply chain and operations management, with an active publication record indexed on Scopus. He brings both academic research expertise and cross-institutional experience to his work, contributing to the intersection of engineering systems, sustainability, and supply chain resilience across UK higher education institutions.



Haluk Haksal,
Economist
Author, COP31 Event Lead, Top Tier Impact

Dr. Haluk Haksal is an economist specialising in green macroeconomics. He holds a degree in Economics from the University of Florence, a Master's degree in Banking and Finance from HEC Lausanne, and a PhD in Economics from the University of Geneva. He has extensive professional experience within the United Nations system, having worked with FAO, UNCTAD, and ILO.

He teaches at the graduate level at academic institutions in Switzerland. His research focuses on the political economy of sustainable investment, green macroeconomics, and the implementation of the Sustainable Development Goals. He is the author of Sustainability as a Global Culture: The Political Economy of the SDGs and Mispricing of the Future (2026).

Author of Sustainability as a Global Culture: The Political Economy of the SDGs
COP31 Event Lead | Top Tier Impact



Gazi Polat
University Lecturer, Kırşehir Ahi Evran Üniversity

Gazi Polat is a University Lecturer and academic staff member at Kırşehir Ahi Evran University, Turkey, where he has been based since April 2017. He specialises in Management Information Systems (Yönetim Bilişim Sistemleri) and his areas of expertise include financial analysis and international economics. Since September 2025, he has additionally served as Director of Kaman Vocational School (Kaman Meslek Yüksekokulu Müdürü) at the same university.



Giray Gözgör
Associate Professor of Economics/Finance,
Head of the Wealth, Inclusive Societies and Ethics (WISE) Research Cluster, University of Bradford

Dr. Giray Gözgör is an Associate Professor of Economics and Finance and Head of the Wealth, Inclusive Societies and Ethics (WISE) Research Cluster at the University of Bradford School of Management. He is a Senior Fellow of Advance HE, a Research Affiliate of the CESifo Network in Munich, and a Research Fellow at the Hang Seng University of Hong Kong's Research Centre for ESG. His research spans financial economics, energy economics, and sustainable finance, with particular interests in climate risk, biodiversity risk, and the energy transition.

Dr. Gözgör was named a Clarivate Highly Cited Researcher in 2023 and has appeared in Stanford University's World's Top 2% Scientists Ranking every year from 2020 to 2026. He has published more than 200 papers in Web of Science-indexed journals, with research cited by the IMF, World Bank, UNCTAD, and the UN Secretary-General's 2025 report on commodities. He serves as Associate Editor for the European Journal of Finance, the International Journal of Finance and Economics, and Economic Analysis and Policy.

15:50-16:50	**Session 4:** **New Carbon Economy Consortium Advisory Board of Experts**	**Moderator:** **Amanda Ellis,** Arizona State University • **Jan Huckfeldt,** GreenEdge • **Susan Hooper,** Chapter Zero • **Jens Nielsen,** World Climate Foundation • **Jennifer McFarlane,** Verra

Moderator



Amanda Ellis

Senior Director, Global Partnerships and Networks, ASU Julie Ann Wrigley Global Futures Laboratory

Co-Chair, New Carbon Economy Consortium (NCEC)

Former UN Ambassador and New Zealand Prime Minister's Special Envoy Amanda Ellis is a global leader in sustainable development and international cooperation, currently serving as Senior Director of Global Partnerships and Networks for ASU's Julie Ann Wrigley Global Futures Laboratory. She serves concurrently as co-chair of the New Carbon Economy Consortium and of the WE Empower UN SDG Challenge, launched by the UN Secretary General and the President of the World Bank in 2018 to promote inclusive entrepreneurship.

Ms Ellis' career includes senior diplomatic roles, notably as Deputy Secretary in the New Zealand Foreign Ministry, Prime Minister's Special Envoy, Permanent Representative and Ambassador to the United Nations in Geneva, where she played a key role in the country's successful UN Security Council campaign and co chaired the UNSC High Level Group on Humanitarian Access into Syria. She previously led New Zealand's international development program and held leadership roles at the World Bank Group, where she also managed the World Bank President's Global Private Sector Leaders CEO Forum. A founding member of the Global Banking Alliance for Women, Ms Ellis now serves as advisor to venture climate accelerators, Blue Startups and Elemental Accelerator.

A twice best-selling business author (Random House), Trustee of the World Academy of Art and Science, advisor to global governance and climate action organizations, Amanda brings deep expertise in multilateral engagement, gender equity, and systems level sustainability. As Co-Chair of the New Carbon Economy Consortium, she helps drive global multi stakeholder collaboration toward just, inclusive, and effective carbon removal futures.



Jan Huckfeldt, PhD
Founding Partner, GreenEdge, Advisor and Interim COO, AirMyne
NCEC Advisory Board Member

Jan Huckfeldt is a global commercial leader known for guiding climate-tech ventures from early innovation to market-ready scale. With executive experience spanning the US, Europe, China, and Africa, he brings a rare combination of corporate C-suite leadership and hands-on startup execution. Jan previously served as Chief Marketing Officer at Lenovo and Chief Commercial Officer at Climeworks, where he led teams across R&D, manufacturing, brand strategy, and international sales.

Today he supports emerging climate-tech companies as a fractional C-level executive, helping founders accelerate go-to-market strategies, build commercial engines, and secure enterprise partnerships. He is a founding partner of GreenEdge and currently advises multiple ventures, including serving as interim COO and fractional CCO at AirMyne. Jan also teaches as an adjunct professor and holds a PhD in Polymer Chemistry. His work centers on scaling technologies that advance decarbonization, strengthen market adoption, and expand global access to climate solutions.



Susan Hooper
Co-Founder and Co-Founding Director, Chapter Zero
NCEC Advisory Board Member

Susan Hooper is a leading voice in corporate climate governance and co-founding director of Chapter Zero, a global network equipping non-executive directors to embed climate leadership into boardroom decision making. With extensive experience across multiple industries, she has served on boards of major companies and emerging ventures, bringing a focus on ESG integration, organizational culture, and data driven strategy.

At Chapter Zero, Susan has helped build a platform that provides directors with practical tools, peer learning, and structured pathways to strengthen oversight of climate transition plans. Her career includes senior executive roles in energy, travel, and consumer services, alongside chair and advisory positions spanning technology, communications, and sustainability focused enterprises. Susan is known for championing decisive, systems level action on climate, emphasizing the responsibility of boards to move beyond compliance toward meaningful transformation.



Speaker

Jens Nielsen
Founder and CEO of the World Climate Foundation, NCEC Advisory Board Member

Jens Nielsen is the founder and CEO of the World Climate Foundation, a global partnership network advancing climate and biodiversity solutions through cross-sector collaboration. He leads initiatives that mobilize investment, accelerate policy alignment, and support countries and companies in designing effective transition strategies. Under his leadership, the Foundation has built influential coalitions, including the Climate Investment Coalition, a public-private partnership recognized for catalyzing multi-billion-dollar commitments toward climate aligned investments.

Jens has partnered with governments, cities, and major corporations worldwide to develop integrated approaches to green transformation and has overseen the creation of impact platforms spanning climate, biodiversity, and health. His governance contributions include board roles with the Climate Planet Foundation, Art2030, and Greenlab Innovation Foundation. Trained as a political economist, Jens has held senior executive roles across Europe, North America, and Asia, advising organizations in more than 20 countries.
Link: https://experts.exeter.ac.uk/18876-dan-bloomfield World Climate Foundation World Climate Summit



Jennifer McFarlane
Verra, and Advisory Board Member (NCEC)

Jennifer McFarlane is a seasoned board director, having served on seven corporate boards, as well as a climate tech strategist whose career spans executive roles in energy, sustainability, and technology-driven companies. She currently serves on the boards of Cascade Energy, Emrgy, Verra and Landesa, and contributes her expertise to organizations advancing climate solutions, including Smart Surfaces Coalition, MCE Social Capital, and Asterra Partners. With two decades as a CFO in high-growth companies such as Nextpower and LanzaTech, she has guided global scaling, major financing, and transformative M&A activity.
Her earlier work in investment banking shaped her approach to strategic growth and capital deployment for complex organizations. Jennifer is recognized for her governance leadership, having been awarded a 2025 NACD Directorship 100, and holds the ESG Global Competent Boards designation. She is an Expert Circle Member at Climate Tech Partners and a longstanding member of the Council on Foreign Relations

16:50-17:10	**Keynote Speech 4**	**Klaus Lackner,** "Godfather Direct Air Capture (DAC)" - ASU (V)

Keynote Speaker 4



Klaus Lackner "Godfather Direct Air Capture (DAC)"
Professor, Arizona State University (ASU)

Klaus S. Lackner is the founding director of Center for Negative Carbon Emissions and professor at the School of Sustainable Engineering and the Built Environment of the Ira A. Fulton Schools of Engineering, ASU. Lackner's interest in self-replicating machine systems has been recognized by Discover Magazine as one of seven ideas that could change the world.

In 1999, Lackner was the first person to suggest the technical capture of carbon dioxide from air in the context of carbon management. His work at Columbia University as director of the Lenfest Center for Sustainable Energy advanced innovative approaches to energy issues of the future and the pursuit of environmentally acceptable technologies for the use of fossil fuels. He is a fellow of the American Association for the Advancement of Science, and he was recognized for contributing to the 2007 Nobel Peace Prize for the IPCC.

17:10-18:00	**Session 5:** **New Carbon Economy Book/ Special Springer Publishing for the 2026 Annual Meeting** "Decarbonization and Energy Transformation" (Studies in Systems, Decision and Control series)	**Moderator:** **Tofigh Allahviranloo, Chief Editor,** Istinye University • **Hatice Gülen,** Istinye University • **Stephanie Arcusa,** Arizona State University (v) • **M. Ekim Ayyıldız** • **Pınar Çakır Hatır,** Istinye University

Moderator



Tofigh Allahviranloo
Professor of Applied Mathematics, Istinye University

Prof. Dr. Tofigh Allahviranloo is a Professor of Applied Mathematics at Istinye University in Istanbul, Turkey, where he has been based since 2022. He holds a doctorate from Islamic Azad University and his expertise centres on applied fuzzy mathematics, dynamical systems, and their applications in the biological sciences. He has authored over 14 international books in English and 10 books in Farsi, with recent titles published by Springer and Taylor and Francis.
Prof. Allahviranloo holds several distinguished editorial roles, including Editor-in-Chief of the Journal of Transactions on Fuzzy Sets and Systems, Editor in Charge of the Elsevier book series on Uncertainty, Computational Techniques and Decision Intelligence, and editorial board member of the Journal of Fuzzy Sets and Systems and the Journal of Mathematical Science. He previously served as Editor-in-Chief of the Journal of Information Sciences from 2023 to 2026.



Hatice Gülen
Vice Rector for Strategic Transformation, Istinye University

Prof. Hatice Gülen is Vice Rector for Strategic Transformation at Istinye University, Istanbul, a role she has held since 2025, having previously served as Vice Rector for Research and Development from 2021. She completed her undergraduate, Master's, and doctoral studies at Çukurova University, earning her Ph.D. in Plant Molecular Physiology in 2000, with research carried out at West Virginia University as a TÜBİTAK scholar. She has held academic positions at Uludağ University and Istanbul Bilgi University, where she founded plant biotechnology research laboratories and led the development and accreditation of Molecular Biology, Genetics, and Bioengineering programs.

Prof. Gülen is a recognized authority in higher education quality assurance, serving as an accreditation evaluator for both MÜDEK (the Association for Evaluation and Accreditation of Engineering Programs) and YÖKAK (the Turkish Higher Education Quality Council). She has contributed to numerous national and international research projects in green biotechnology and plant molecular physiology and holds three national and one international patent. She has also served as an external research evaluator for the EU Marie Skłodowska-Curie COFUND action USAL4EXCELLENCE. At Istinye University, she leads the institution's strategic planning, digital transformation, and performance management in alignment with the University's 2030 Vision.



Stephanie Arcusa
Assistant Professor
Arizona State University

Dr. Arcusa is a climate and earth physical scientist focusing on climate mitigation, carbon removal measurement systems, and carbon removal policy. She is an Assistant Professor at Arizona State University, jointly appointed between the Thunderbird School of Global Management and the School of Complex Adaptive Systems.



Pınar Çakır Hatır

Associate Professor and Head of the Biomedical Engineering Department, İstinye University,

Director, İstinye University Nanotechnology and Advanced Materials Research Center (ISUNANOMER),
Coordinator of SCIENCE4ALL

Assoc. Prof. Pınar Çakır Hatır is Associate Professor and Head of the Biomedical Engineering Department at İstinye University. She is also Director of the university's Nanotechnology and Advanced Materials Research Center (ISUNANOMER) and Coordinator of SCIENCE4ALL. She holds a B.Sc. (2004) and M.Sc. (2008) in Chemistry from Boğaziçi University. She completed her Ph.D. in Biotechnology in 2012 at Sorbonne Universités, Université de Technologie de Compiègne, France. During her doctorate she worked as an early-stage researcher in the EU-funded NASCENT and IRMED research networks, focusing on molecularly imprinted polymer nanostructures.

Her research spans polymer science, nanotechnology, biomaterials, molecularly imprinted polymers, green chemistry and biosensors. Much of it develops materials from renewable resources such as castor oil and bacterial cellulose for biomedical applications. She has published widely in international journals and contributed to books including *Nanophytomedicine* (Academic Press, 2026) and *Assessment of Polymeric Materials for Biomedical Applications* (CRC Press, 2023). She takes an active part in international, interdisciplinary research projects bridging chemistry and biotechnology. Her recognitions include a Seal of Excellence (2020). She works in English, French and German.

18:00-19:00	**Research Lab Visit**

19:00- 22:00	**Celebration Dinner** *Open Buffet - Business Casual*	Istinye University Vadi Main Campus Dining Hall

<<Morning Coffee>>

09:30 – 09:50	**Keynote Speech 5**	**Ibrahim Dinçer,** Ontario Tech University, Istinye University

Keynote Speaker 5



Ibrahim Dinçer
Ontario Tech University
Advisory Board Member, Istinye University

Prof. Ibrahim Dinçer is a world-renowned expert in clean energy systems and a Professor in the Faculty of Engineering and Applied Science at Ontario Tech University, Canada. He holds degrees in Mechanical Engineering from Selcuk University, Yildiz Technical University, and Istanbul Technical University, where he completed his PhD in 1993. His research focuses on hydrogen energy and fuel cells, renewable energy technologies, carbon capture technologies, thermal energy storage, and sustainable energy systems design. Prof. Dinçer also serves on the Advisory Board of NEXUS International at Istinye University. His broader areas of expertise include energy and exergy analyses, solar thermal systems, energy conservation, and energy and environment policy, contributing to the global transition toward sustainable and low-carbon energy systems.

09:50 – 10:10	**Keynote Speech 6**	**Seçil Yıldız**, Executive Vice President at the Development and Investment Bank of Türkiye (TKYB)

Keynote Speaker 6



Seçil Yıldız
Executive Vice President at the
Development and Investment Bank of Türkiye
(TKYB)

Seçil Yıldız is Executive Vice President at the Development and Investment Bank of Turkey (TKYB), a position she has held since March 2019, where she oversees Investment Banking, Project Evaluation, Sustainability, Environmental and Social Impact Management, and Corporate Communication. A graduate of Boğaziçi University in Business Administration, she

Keynote Speaker 6
has built an extensive career in corporate finance and capital markets, holding senior roles at the Industrial Development Bank of Turkey, Oyak Securities, Bayerische Hypo-und Vereinsbank AG, UniCredit Securities, and ING Bank. Seçil Yıldız works at the intersection of capital, climate, and strategy, focusing on climate and sustainable finance, ESG and transition strategy, and capital allocation for long-term value creation. She chairs the Board of Directors at Kalkınma Yatırım Varlık Kiralama A.Ş. and serves as a Board Member at Kalkınma Girişim Sermaye Portföy Yönetim A.Ş. She is also an active Board Member of the Business Council for Sustainable Development Turkey (SKD Türkiye), Vice Chairman of the Advisory Board on Impact Investment (EYDK), and a member of the Advisory Board for the Operating Principles for Impact Management (OPIM).

10:10 – 11:10	**Session 6:** **The New Carbon Economy: Redefining Growth, Competitiveness and Value Creation**	**Moderator:** **Ibrahim Dinçer,** Istinye University • **Jane Glavan,** Distant Imagery Solutions (V) • **Kolja Kuse,** Techno Carbon • **Ali Rıza Arslan,** Hydrogenix • **Fatih Yılmaz**, Kapsarc, Principal Fellow, Climate and Sustainability

Moderator	In-person
	**Ibrahim Dinçer** Professor, Ontario Tech University Advisory Board Member, Istinye University
Prof. Ibrahim Dinçer is a world-renowned expert in clean energy systems and a Professor in the Faculty of Engineering and Applied Science at Ontario Tech University, Canada. He holds degrees in Mechanical Engineering from Selcuk University, Yildiz Technical University, and	

Istanbul Technical University, where he completed his PhD in 1993. His research focuses on hydrogen energy and fuel cells, renewable energy technologies, carbon capture technologies, thermal energy storage, and sustainable energy systems design. Prof. Dinçer also serves on the Advisory Board of NEXUS International at Istinye University. His broader areas of expertise include energy and exergy analyses, solar thermal systems, energy conservation, and energy and environment policy, contributing to the global transition toward sustainable and low-carbon energy systems.



Jane Glavan
Founder and Chief Executive Officer
Distant Imagery Solutions, United Arab Emirates

Jane Glavan is the founder and CEO of Distant Imagery Solutions, a UAE-based climate technology company self-engineering aerial and coastal technology for ecosystem intelligence, large-scale restoration, and carbon MRV. Her work puts powerful, cost-efficient climate technology directly into the hands of the communities on the frontlines of climate change.

Under her leadership, Distant Imagery has planted over 12.5 million mangroves in the UAE and delivered large-scale restoration, monitoring, and carbon MRV programs with government entities including Environment Agency Abu Dhabi, ADNOC, Mubadala Energy, and ENGIE. The company now works globally alongside governments and local communities across Madagascar, Kenya, Indonesia, Brazil, and Tonga. She leads both the scientific direction and global development of the company through a licensing model built for local ownership: equipping communities with the skills and technology to build, operate, and adapt the technology independently, scale conservation, prove their impact, and secure durable income, while retaining full control over data, outcomes, and revenue.



Kolja Kuse
Founder & CEO, TechnoCarbonMaterials
Chairman, e5 - European Business Council for Sustainable Energy and Materials

Kolja Kuse, Founder & CEO, TechnoCarbonMaterials, and Chairman, e5 - European Business Council for Sustainable Energy and Materials, is a German engineer, inventor, and entrepreneur specializing in sustainable materials, structural engineering, and climate technologies. He completed his engineering studies at RWTH Aachen University and subsequently led major high-performance computing projects at Cray Research and NEC.

He pioneered the development of CarbonFiberStone (CFS), an innovative composite technology combining natural stone with carbon fibers to create lightweight, high-strength, and durable structural materials. His pioneering work and the technologies developed by his team have received four major industry distinctions, including first place at the JEC Composites Innovation Awards 2025 for the world's first CO_2-negative high load bearing house wall made from stone-based composite materials rather than timber. TechnoCarbon has been the originator and technology initiator of four German federal government-funded collaborative research projects, with a combined project volume of approximately €10 million.

More recently, Kuse introduced CarbonFiberRock (CFR), extending the technology to integrate sustainable construction with carbon dioxide removal through enhanced rock weathering (ERW). His vision is to transform the global construction industry from a major source of CO_2 emissions into an industrial platform combining high-performance structural materials with scalable carbon dioxide removal.



Ali Rıza Arslan
Founder, Hydrogenix Hydrogen and Energy Storage Technologies | Chairman, EMSAŞ Group

Ali Rıza Arslan is a Turkish entrepreneur and industrialist with over 45 years of business experience across construction, energy, and international trade. He studied Electrical and Electronics Engineering at the Middle East Technical University and Karadeniz Technical University, and founded EMSAŞ Group in 1980, which has since delivered landmark hotel, business centre, housing, shopping mall, and hospital construction projects domestically and internationally, including the Başakşehir City Hospital, Europe's largest integrated health campus. In 2023, he founded Hydrogenix Hydrogen and Energy Storage Technologies Inc., bringing his extensive business experience to bear on clean energy and hydrogen solutions.
Ali Rıza Arslan has held significant leadership roles in Turkish non-governmental and trade organisations, including as founding chairman of the DEİK Turkey-Mongolia Business Council and chairman of multiple Central Asian business councils under the Foreign Economic Relations Board. He was awarded the "North Star" State Medal by the Mongolian Presidency in 2005 and the State Medal of the Republic of Belarus in 2013, both the highest honours those states bestow upon foreigners. He continues to advance renewable energy development through Klaus Miller Renewable Energy Systems Inc., founded in 2022.



Fatih Yılmaz
Kapsarc, Principal Fellow,
Climate and Sustainability

Dr. Fatih Yılmaz is a Principal Fellow in the Climate and Sustainability programme at KAPSARC, a leading think tank in energy policy and economics based in Riyadh, Saudi Arabia. He holds a PhD in Economics from the University of Calgary and brings nearly 15 years of experience in economic research and policy analysis. His research focuses on sustainable finance, energy transition, financial economics, corporate taxation, and policy impact analysis. Prior to KAPSARC, he served as an Economist at the Central Bank of the Republic of Turkey and has worked as a research consultant for the World Bank, IMF, and OECD.
Dr. Yılmaz has taught graduate and undergraduate courses in economics and econometrics at ADA University and the University of Calgary. His research has been published in leading peer-reviewed journals including the European Economic Review, Journal of Banking and Finance, Journal of Money Credit and Banking, and the World Bank Economic Review. He is an active contributor to international platforms including the T20 and UNFCCC COP processes.

11:10-11:30	**Keynote Speech 7**	**Phoebe Koundouri,** Athens University of Economics and Business (R)

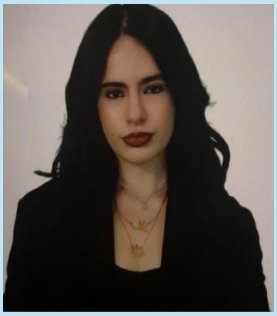
Keynote Speaker 7	**In-person**
	**Phoebe Koundouri** Professor, Athens University of Economics and Business, Co-Chair, IGS Global Sustainable Development Report (GSDR) 2027

Prof. Dr. Phoebe Koundouri is a globally renowned mathematical economist and Professor at the Athens University of Economics and Business (AUEB) and Visiting Professor and Senior Research Fellow at Peterhouse, University of Cambridge. With nearly 30 years of academic leadership, she ranks among the top 2% of scientists worldwide and has pioneered interdisciplinary modelling systems for the sustainable interaction between nature, society, and the economy. She is the founder and Scientific Director of the Alliance of Excellence for Research and Innovation on Aeiphoria (AE4RIA) and Director of the Research Laboratory on Socio-Economic and Environmental Sustainability at AUEB.

Prof. Koundouri chairs the SDSN Global Climate Hub, co-chairs SDSN Europe and the UN Global Sustainable Development Report 2027 and serves as Chair of the World Council of Environmental and Resource Economists Associations. She is a member of the Nominating Committee for the Nobel Prize in Economics, an ERC Synergy Grantee, and a fellow of Academia Europaea, the World Academy of Art and Science, and the European Academy of Sciences and Arts. She has held advisory roles with the United Nations, G20, World Bank, European Commission, EBRD, OECD, and WHO.

<<Coffee Break>>

11:40 – 12:30	**Session 7:** **Parliamentarians' Global Guide to Climate Change and Climate Solutions**	**Youth Foreword Istinye Student Contributor** Ilaf Bayazid **Moderator:** **Martin Siegert,** NCEC co-chair • **Kyle Datta,** Teneo • **Hatice Gülen,** Istinye University • **Amanda Ellis,** Arizona State University • **Peter BenHur Nyeko,** Mandulis Energy

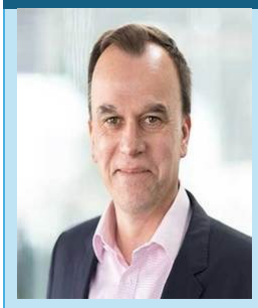
Youth Foreword	**In-Person**
	**Ilaf Bayazid** Student, International Relations and Economics, Istinye University, Youth Foreword Contributor

Ilaf Bayazid is a double major student in International Relations and Economics at Istinye University, Istanbul. She is actively involved in Model United Nations (MUN) leadership and

academic research, and serves as Development Coordinator Assistant and Ripple Effect Project Lead at Istanbul and I. She is also affiliated with the Istanbul Peace Research Center (IPRC).

Deeply passionate about societal change, particularly in regard to women's rights and solidarity rights, Ilaf aims to pursue law school with a focus on International Criminal Law and Constitutional Law. Her key skills include public speaking, negotiation, research, journalism, and event planning. She contributes the youth foreword to the NCEC Consortium Book "Decarbonization and Energy Transformation."

Moderator



Professor Martin Siegert FRSE
Vice-President, University of Exeter
Co-Chair, New Carbon Economy Consortium (NCEC)

Martin Siegert is a leading climate scientist and Vice President at the University of Exeter, recognized for pioneering research on Antarctic subglacial environments and their implications for global climate systems. His work has revealed previously unknown landscapes, lakes, and rivers beneath the Antarctic ice sheet, advancing scientific understanding of past and future ice-sheet change.

Martin has led major international research programs and participated in multiple Antarctic expeditions, contributing more than 250 publications and several books to the field. Before joining Exeter, he served as co-Director of the Grantham Institute at Imperial College London and held senior leadership roles at the University of Edinburgh. Martin frequently engages public, private, and policy audiences on the urgency of the net zero transition, translating polar science into actionable insights for global climate strategy. As Co-Chair of the New Carbon Economy Consortium, he helps guide collaborative efforts to accelerate carbon removal innovation and support evidence-based pathways toward a negative emissions future.



Kyle Datta
Executive Director, Pacific Region, Teneo

Kyle Datta is Executive Director, Pacific Region for the Energy & Infrastructure team at Teneo. leading engagements on the energy transition in renewables, distributed energy resources, green molecules, hydrogen, next generation grid, advanced fuels, and sustainability. Kyle Datta's long and distinguished career in the energy sector includes Managing Partner of Booz Allen & Hamilton's Asia Energy Practice and U.S. Utilities Practice, Principal at Roland Berger, Managing Director of Rocky Mountain Institute, CEO of U.S. Biodiesel Group, and founder and General Partner of the Pierre Omidyar's Ulupono Initiative investment firm.

Kyle Datta's has over twenty years of thought leadership as a pragmatic leader of transformative change in distributed energy. Starting with his co-authoring RMI's Small is Profitable with Amory Lovins in 2002, Mr. Datta led the ground-breaking regulatory framework in Hawaii and supported several major utilities in accelerating demand response and distributed solar. At Ulupono, Mr. Datta led investment in advanced energy technologies. Over the last few years, he has led redesigning of entire grid architectures to enable mass scale renewable, distributed energy, and electrification adoption for SCE and PREPA. These efforts were designed to co-optimize affordability, resilience/reliability and environmental climate goals.



Prof. Hatice Gülen
Vice Rector for Strategic Transformation, Istinye University

Prof. Hatice Gülen is Vice Rector for Strategic Transformation at Istinye University, Istanbul, a role she has held since 2025, having previously served as Vice Rector for Research and Development from 2021. She completed her undergraduate, Master's, and doctoral studies at Çukurova University, earning her Ph.D. in Plant Molecular Physiology in 2000, with research carried out at West Virginia University as a TÜBİTAK scholar. She has held academic positions at Uludağ University and Istanbul Bilgi University, where she founded plant biotechnology research laboratories and led the development and accreditation of Molecular Biology, Genetics, and Bioengineering programs.

Prof. Gülen is a recognized authority in higher education quality assurance, serving as an accreditation evaluator for both MÜDEK (the Association for Evaluation and Accreditation of Engineering Programs) and YÖKAK (the Turkish Higher Education Quality Council). She has contributed to numerous national and international research projects in green biotechnology and plant molecular physiology and holds three national and one international patent. She has also served as an external research evaluator for the EU Marie Skłodowska-Curie COFUND action USAL4EXCELLENCE. At Istinye University, she leads the institution's strategic planning, digital transformation, and performance management in alignment with the University's 2030 Vision.



Amanda Ellis

Senior Director, Global Partnerships and Networks, ASU Julie Ann Wrigley Global Futures Laboratory

Co-Chair, New Carbon Economy Consortium (NCEC)

Former UN Ambassador and New Zealand Prime Minister's Special Envoy Amanda Ellis is a global leader in sustainable development and international cooperation, currently serving as Senior Director of Global Partnerships and Networks for ASU's Julie Ann Wrigley Global Futures Laboratory. She serves concurrently as co-chair of the New Carbon Economy Consortium and of the WE Empower UN SDG Challenge, launched by the UN Secretary General and the President of the World Bank in 2018 to promote inclusive entrepreneurship.

Ms Ellis' career includes senior diplomatic roles, notably as Deputy Secretary in the New Zealand Foreign Ministry, Prime Minister's Special Envoy, Permanent Representative and Ambassador to the United Nations in Geneva, where she played a key role in the country's successful UN Security Council campaign and co chaired the UNSC High Level Group on Humanitarian Access into Syria. She previously led New Zealand's international development program and held leadership roles at the World Bank Group, where she also managed the World Bank President's Global Private Sector Leaders CEO Forum. A founding member of the Global Banking Alliance for Women, Ms Ellis now serves as advisor to venture climate accelerators, Blue Startups and Elemental Accelerator.

A twice best-selling business author (Random House), Trustee of the World Academy of Art and Science, advisor to global governance and climate action organizations, Amanda brings

deep expertise in multilateral engagement, gender equity, and systems level sustainability. As Co-Chair of the New Carbon Economy Consortium, she helps drive global multi stakeholder collaboration toward just, inclusive, and effective carbon removal futures.



Peter BenHur Nyeko
Mandulis Energy

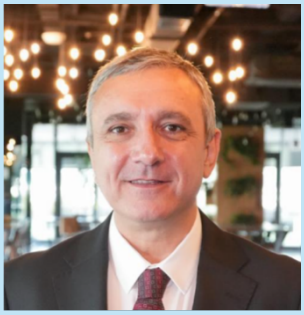
Peter co-founded & has led Mandulis Energy to a decade of operations; & scaling Globally. He is a World Economic Forum Top Innovator for both Humanitarian and Resilience Initiatives, and Circular Solutions.

He's curated Mandulis' 'BEPEARL' approach to sustainable development, which combines (Bio-Energy Carbon Capture & Storage) BECCS & (Biomass Carbon Removal & Storage) BICRS; to deliver nature-linked, engineered, high-quality megatons of CDRs (Carbon dioxide Removals); Alongside Affordable, Reliable & Renewable Energy, Sustainable Fuels, and Biochar-based fertilizers.

Peter's journey has included renewable energy, entrepreneurship and climate finance. His outlook leverages his varied experiences: from over two decades in the diaspora, through Ballroom champion, Equestrian, & Multilingual Thespian; To Aerospace Engineer & Alumnus of Bristol, Cranfield, UWE, & IESE Business School.

12:30-13:20	**Session 8:** New Carbon Economy: Observation, Application and Examples	**Moderator:** **Bestami Özkaya,** Istinye University • **Bhavik Bakshi,** Arizona State University • **Habiba Ali**, Sosai Renewable Energies (V) • **Abrehem Berta Aneseyee,** MP Ethiopia

Moderator



Bestami Özkaya
Vice Rector for Research and Innovation
Professor, Istinye University

Prof. Bestami Özkaya is a Professor and Vice Rector for Research and Innovation at Istinye University, a position he has held since 2025. He completed his undergraduate degree at Fırat University and his MSc and PhD in Environmental Engineering at Yıldız Technical University, followed by postdoctoral research at Tampere University of Technology in Finland, where he earned the Docent title in both Finland and Turkey. He has over 25 years of experience in environmental engineering, sustainable energy, waste management, and hydrogen technologies.

Prof. Özkaya has held senior academic leadership roles including Vice Dean and Vice Rector for Research and Planning at Yıldız Technical University and serves on the Management Board of Turkey's National Hydrogen Association. His research spans bioenergy production, circular economy, environmental biotechnology, and hydrogen systems, with publications in international peer-reviewed journals and books published by Elsevier and Nobel. He also serves as CEO of Clean Soft Information Systems.



Bhavik Bakshi
Professor, School for Engineering of Matter, Transport and Energy
Senior Global Futures Scientist
Global Futures Scientists, Arizona State University

Prof. Bhavik Bakshi holds the Wrigley Professorship at Arizona State University with appointments in the School for Engineering of Matter, Transport and Energy, the School of Sustainability, and the School of Complex Adaptive Systems. He is also Richard M. Morrow Professor Emeritus of Chemical and Biomolecular Engineering at The Ohio State University. He holds a Bachelor of Chemical Engineering from the Institute of Chemical Technology in Mumbai, and an MS and PhD in Chemical Engineering from the Massachusetts Institute of Technology, with a minor in Technology and Environmental Policy through Harvard University's Kennedy School of Government.

His research develops systematic methods to ensure engineering enables an effective transformation toward sustainability, with specific focus on product, process, supply chain, and landscape design for a sustainable circular economy. His work has been recognized with numerous awards including the Computing in Chemical Engineering Award and the Lawrence K. Cecil Award from the American Institute of Chemical Engineers (AIChE), the CAREER Award from the U.S. National Science Foundation, and Education Leadership in Life Cycle Assessment Award from the American Council for LCA. He has also served on task forces of the United Nations Environment Program.



Habiba Ali
Founder and Chief Executive Officer
Sosai Renewable Energies Company, Nigeria

Habiba Ali is one of Africa's most respected renewable energy and climate leaders, with more than two decades of experience driving energy access, climate resilience, women's economic empowerment, and sustainable development. As CEO of Sosai Renewable Energies, she has successfully combined commercial innovation with social impact, building a company that delivers practical climate solutions while improving livelihoods for millions of people.
Sosai has deployed over 35,000 solar solutions, more than 60,000 improved cookstoves, and 9 operational mini-grids. The company's interventions have positively impacted more than 3 million people and contributed significantly to carbon emission reductions, climate resilience, and economic development. Habiba is the African recipient of the UN SDG We Empower Award, the global recipient of the Diane von Furstenberg Award, and in 2019 was honoured by Vital Voices with the Global Leadership Award for Economic Empowerment. In 2025, Habiba led Sosai Renewable Energies to win the prestigious Ashden Award.



Abreham Berta Aneseyee
MP Ethiopia and Lecturer and Researcher at Wolkite University, Ethiopia

Abreham Berta Aneseyee is an ecologist, and academic with over 15 years of extensive experience in climate change, natural resource management, ecosystem restoration, and sustainable land management. Currently, Dr. Abreham serves as Member of Parliament of Ethiopia and consultant and project coordinator at the Ministry of Agriculture in Ethiopia, where he leads and contributes to nationally significant projects related to land restoration, soil and water conservation, and climate-resilient agricultural systems. In parallel, he is actively engaged in academia as a lecturer and researcher in Wolkite University. Dr. Abreham's research portfolio is extensive and internationally recognized. He has authored and co-authored numerous peer-reviewed publications (34 published articles) in high-impact journals such as Nature, Nature

Climate Change, Science of the Total Environment, Ecological Indicators, Environmental Management, and Remote Sensing.

In addition to his academic contributions, Dr. Abreham has played key roles in several large-scale national and international research projects funded by the Ministry of Agriculture in Ethiopia, FAO, GIZ, and other international partners. His roles have included project coordination, ecosystem services specialization, and team leadership, particularly in projects focusing on sustainable land management, restoration impact assessment, alternative energy solutions, and climate-sensitive innovations. His leadership in multidisciplinary projects reflects his strong capacity in project management, monitoring and evaluation, and stakeholder engagement.

<<Lunch Break>>

14:10-15:00	**Session 9:** **New Carbon Economy and AI Hackathon Awards & Student Presentations**	**Award Winners, Student Leaders, and Poster Presenters** **Moderator:** **Ayfer Ustabaş,** Istinye University **Gülsüm Savcı,** Istinye University 1. **TEAM (CARBONQUEUE)** 2. **TEAM (SOLARSEEKER)** 3. **TEAM (SAIO-ROOTS&RISE**

Moderator	
	**Ayfer Ustabaş** Associate Professor of Economics, Istinye University

Dr. Ayfer Ustabaş is an Associate Professor of Economics at Istinye University and a Senior Fellow of the Higher Education Academy (HEA). She completed her undergraduate degree in Economics at Boğaziçi University, her Master's degree in International Economics and Development Economics at Paris 1 Panthéon-Sorbonne University, and her PhD in International Economics at Marmara University. Before returning to academia, she worked for fourteen years at Renault MAİS A.Ş. in Turkey across various departments in Sales and After-Sales between 1994 and 2008.

Her research covers international economics, energy transition policy, monetary policy, and automotive sector economics. Recent publications include work on the effectiveness of energy transition policies among the EU's top eco-innovation performers and the impact of monetary policy on automotive demand in Turkey. She has also published research on female labour force participation and gender inequality in the workplace.

Moderator



Gülsüm Savcı
Assistant Professor, International Trade and Business Programme, Istinye University

Dr. Gülsüm Savcı is an Assistant Professor in the International Trade and Business Programme at Istinye University, bringing over three decades of combined academic and managerial experience in business administration and international trade. She began her academic career as a research assistant before spending eighteen years at Istanbul Kültür University's Faculty of Economics and Administrative Sciences, where she held multiple leadership roles including Head of the Logistics Programme and contributed to curriculum development and programme management.
Her research covers organisational management, entrepreneurship, brand management, and multi-criteria decision analysis. She has presented at academic conferences on topics including family business formation, brand trust in retail markets, and role conflict in health organisations, and has contributed to comparative studies using the ELECTRE decision-making method.

15:00-15:15	**Vignette: Rio Synergies, Climate and nature**	**Tim Christophersen,** Salesforce, *Generation Restoration* (V)

Vignette



Tim Christophersen
Vice President, Climate Action, Salesforce / Author, Generation Restoration

Tim Christophersen is a leading global voice on ecosystem restoration, with over 25 years of experience in climate and biodiversity advocacy. He is the author of 'Generation Restoration', a roadmap for restoring nature at planetary scale. His career includes pivotal roles at the International Union for Conservation of Nature, and 15 years as a diplomat with the United Nations Environment Programme. From the 2015 Paris Climate Agreement to the 2022 Global Biodiversity Framework and the UN Decade on Ecosystem Restoration 2021-2030, Tim has been at the forefront of global environmental action.

In 2022, he joined the private sector as Vice President of Climate Action at Salesforce, where he drove sustainability initiatives with major corporations and public institutions. Tim also

explores regenerative practices on his family farm in Denmark, continuing his personal mission to restore planetary health and abundance.

15:15-16:05	**Session 10:** **Carbon Dioxide Removal (CDR) Tools**	**Moderator:** **Amanda Ellis**, Arizona State University • **Miranda Barker,** RedCAT Group • **Allison Pobrislo,** Prance Earth • **Isil Aslan,** Carbon Nature

Moderator



Amanda Ellis

Senior Director, Global Partnerships and Networks, ASU Julie Ann Wrigley Global Futures Laboratory

Co-Chair, New Carbon Economy Consortium (NCEC)

Former UN Ambassador and New Zealand Prime Minister's Special Envoy Amanda Ellis is a global leader in sustainable development and international cooperation, currently serving as Senior Director of Global Partnerships and Networks for ASU's Julie Ann Wrigley Global Futures Laboratory. She serves concurrently as co-chair of the New Carbon Economy Consortium and of the WE Empower UN SDG Challenge, launched by the UN Secretary General and the President of the World Bank in 2018 to promote inclusive entrepreneurship.

Ms Ellis' career includes senior diplomatic roles, notably as Deputy Secretary in the New Zealand Foreign Ministry, Prime Minister's Special Envoy, Permanent Representative and

Ambassador to the United Nations in Geneva, where she played a key role in the country's successful UN Security Council campaign and co chaired the UNSC High Level Group on Humanitarian Access into Syria. She previously led New Zealand's international development program and held leadership roles at the World Bank Group, where she also managed the World Bank President's Global Private Sector Leaders CEO Forum. A founding member of the Global Banking Alliance for Women, Ms Ellis now serves as advisor to venture climate accelerators, Blue Startups and Elemental Accelerator.

A twice best-selling business author (Random House), Trustee of the World Academy of Art and Science, advisor to global governance and climate action organizations, Amanda brings deep expertise in multilateral engagement, gender equity, and systems level sustainability. As Co-Chair of the New Carbon Economy Consortium, she helps drive global multi stakeholder collaboration toward just, inclusive, and effective carbon removal futures.



Miranda Barker OBE
CEO of RedCAT Group

Miranda Barker is CEO of RedCAT Group - a low carbon technology commercialization accelerator. RedCAT, pump-primed by the Government, provides a pathway of financial and R & D support to accelerate the commercialization of low carbon technologies. RedCAT has so far supported 46 new products to be commercialized and manufactured in the north of England and helped their innovators secure inward investment of over £60M over 5 years.
Miranda has supported low carbon technological innovations working across food, chemicals, pharma, energy, waste, farming, engineering, automotive and aerospace, in the UK, northern, western and eastern Europe, Brazil, USA and China. Miranda has designed, bid for and led the running of over 30 programs to drive low carbon technology commercialization totaling approx.£50M over 26 years, most recently £6 Million Chamber Low Carbon program, and £3 Million RedCAT project, which collectively won the World Chambers Congress Climate Project of the Year in 2021.
An honorary professor attached to the University of Lancashire supporting climate policy, Miranda is the British Chambers of Commerce Climate Envoy and was lead for their global COP missions to Baku, Belem and for Antalya. Miranda attends the UNFCCC Climate Technology Centre and Network's biannual Advisory Boards biannually as an official NGO observer for the ICC. Miranda was awarded an OBE in 2022 for Services to Business and the People of Lancashire.

Speaker **In-person**



Allison Pobrislo
Founder
Prance Earth and Prance Ocean

Allison Pobrislo is the founder of Prance Earth and Prance Ocean, a hybrid nonprofit and SaaS platform focused on decarbonization, ocean restoration, and climate engagement. After licensing guest engagement software to 50+ luxury resorts, she pivoted to build tools that connect travelers and students to energy data, biodiversity, and climate action.

Her platform also supports ocean conservation groups with tools for operations and storytelling. Through this work, she is building a new climate infrastructure for tourism, linking emissions data, nature restoration, and guest engagement into a unified system. She also leads Prance Earth News, a trusted media platform with Swiss partners, reporting on innovation, circularity, and climate solutions.



Isil Aslan
Co-Founder & CEO Carbon Nature

Işıl Aslan is the Co-Founder and CEO of Carbon Nature, a climate-tech startup developing digital Monitoring, Reporting, and Verification (dMRV) solutions for nature-based carbon removal. She holds a Master's degree in Environmental Engineering and is currently pursuing her PhD in Environmental Sciences at Istanbul Technical University (ITU). Her work focuses on integrating environmental science, digital technologies, and carbon markets to make nature-based carbon removal measurable, verifiable, and scalable.
She leads initiatives in forest ecosystems, agricultural lands, and biochar, with a strong emphasis on international carbon standards and high-integrity carbon credits. She is also involved in international research collaborations, including the PRIMA-funded WETCARB project, advancing carbon monitoring and accounting in Mediterranean wetlands.

16:05-17:00	**Closing:** **Looking ahead to NCEC 2027**	**Moderator:** **Amanda Ellis,** Arizona State University **Martin Siegert,** University of Exeter • **Peter BenHur Nyeko,** Mandulis Energy • **Abrehem Berta Aneseyee,** MP Ethiopia • **Erin Burns,** NCEC Co-Chair • **Bhavik Bakshi**

Moderator



Amanda Ellis

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Moderator



Professor Martin Siegert FRSE
Vice-President, University of Exeter
Co-Chair, New Carbon Economy Consortium (NCEC)

Martin Siegert is a leading climate scientist and Vice President at the University of Exeter, recognized for pioneering research on Antarctic subglacial environments and their implications for global climate systems. His work has revealed previously unknown landscapes, lakes, and rivers beneath the Antarctic ice sheet, advancing scientific understanding of past and future ice-sheet change.

Martin has led major international research programs and participated in multiple Antarctic expeditions, contributing more than 250 publications and several books to the field. Before joining Exeter, he served as co-Director of the Grantham Institute at Imperial College London and held senior leadership roles at the University of Edinburgh. Martin frequently engages public, private, and policy audiences on the urgency of the net zero transition, translating polar science into actionable insights for global climate strategy. As Co-Chair of the New Carbon Economy Consortium, he helps guide collaborative efforts to accelerate carbon removal innovation and support evidence-based pathways toward a negative emissions future.



Peter BenHur Nyeko
Mandulis Energy

Peter co-founded & has led Mandulis Energy to a decade of operations & scaling Globally. He is a World Economic Forum Top Innovator for both Humanitarian and Resilience Initiatives, and Circular Solutions.

He's curated Mandulis' 'BEPEARL' approach to sustainable development, which combines (Bio-Energy Carbon Capture & Storage) BECCS & (Biomass Carbon Removal & Storage) BICRS; to deliver nature-linked, engineered, high-quality megatons of CDRs (Carbon dioxide Removals); Alongside Affordable, Reliable & Renewable Energy, Sustainable Fuels, and Biochar-based fertilizers.

Peter's journey has included renewable energy, entrepreneurship and climate finance. His outlook leverages his varied experiences: from over two decades in the diaspora, through Ballroom champion, Equestrian, & Multilingual Thespian; To Aerospace Engineer & Alumnus of Bristol, Cranfield, UWE, & IESE Business School.



Abreham Berta Aneseyee
MP Ethiopia and Lecturer and Researcher at Wolkite University, Ethiopia

Abreham Berta Aneseyee is an ecologist, and academic with over 15 years of extensive experience in climate change, natural resource management, ecosystem restoration, and sustainable land management. Currently, Dr. Abreham serves as Member of Parliament of Ethiopia and consultant and project coordinator at the Ministry of Agriculture in Ethiopia, where he leads and contributes to nationally significant projects related to land restoration, soil and water conservation, and climate-resilient agricultural systems. In parallel, he is actively engaged in academia as a lecturer and researcher in Wolkite University. Dr. Abreham's research portfolio is extensive and internationally recognized. He has authored and co-authored numerous peer-reviewed publications (34 published articles) in high-impact journals such as Nature, Nature Climate Change, Science of the Total Environment, Ecological Indicators, Environmental Management, and Remote Sensing.

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coordination, ecosystem services specialization, and team leadership, particularly in projects focusing on sustainable land management, restoration impact assessment, alternative energy solutions, and climate-sensitive innovations. His leadership in multidisciplinary projects reflects his strong capacity in project management, monitoring and evaluation, and stakeholder engagement.



Erin Burns
Executive Director, Carbon180
Co-Chair, New Carbon Economy Consortium (NCEC)

Erin Burns is Executive Director of Carbon180, where she leads strategy, policy, and organizational growth for one of the most influential voices advancing equitable, accountable carbon removal solutions. Under her leadership, Carbon180 has expanded its role as a policy innovator, shaping federal approaches to carbon management, industrial decarbonization, and community centered transition pathways.

Erin brings deep experience from the U.S. Senate, where she worked on energy, environment, labor, and agricultural issues, including staffing for the Energy and Natural Resources Committee and the Public Lands Subcommittee. She later served at Third Way, guiding work on carbon capture, innovation, and clean energy deployment. At Carbon180, Erin is driving a new generation of carbon removal policy grounded in scientific rigor, justice, and long-term accountability. She also contributes to field building through board and advisory roles, including with the Good Energy Collective and the University of Michigan's Global CO2 Initiative.



Bhavik Bakshi
Professor, School for Engineering of Matter, Transport and Energy
Senior Global Futures Scientist
Global Futures Scientists, Arizona State University

Prof. Bhavik Bakshi holds the Wrigley Professorship at Arizona State University with appointments in the School for Engineering of Matter, Transport and Energy, the School of Sustainability, and the School of Complex Adaptive Systems. He is also Richard M. Morrow Professor Emeritus of Chemical and Biomolecular Engineering at The Ohio State University. He holds a Bachelor of Chemical Engineering from the Institute of Chemical Technology in Mumbai, and an MS and PhD in Chemical Engineering from the Massachusetts Institute of Technology, with a minor in Technology and Environmental Policy through Harvard University’s Kennedy School of Government.

His research develops systematic methods to ensure engineering enables an effective transformation toward sustainability, with specific focus on product, process, supply chain, and landscape design for a sustainable circular economy. His work has been recognized with numerous awards including the Computing in Chemical Engineering Award and the Lawrence K. Cecil Award from the American Institute of Chemical Engineers (AIChE), the CAREER Award from the U.S. National Science Foundation, and Education Leadership in Life Cycle Assessment Award from the American Council for LCA. He has also served on task forces of the United Nations Environment Program.

DAY 4: November 7, 2026 Saturday

Time	Istanbul Cultural Tour
10:00-13:00	**Istanbul Cultural Tour** Taksim - Eminonu - Spice Bazaar

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