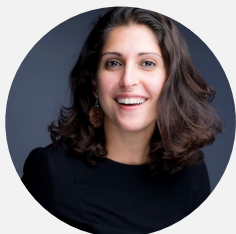




ACCELERATING ENERGY TRANSITION

INDUSTRY TRACK: FEBRUARY EDITION INDUSTRY DECARBONISATION-HARD TO ABATE SECTORS

10 February 2021 | 14:00-15:30 CET



Rana Ghoneim,
UNIDO

Rana has over 15 years of experience at UNIDO in the design and implementation of projects advancing the use of clean energy technologies in developing countries. Her work focused mostly in the MENA region and Africa. Since June 2018, she serves as the Chief of the Energy Systems and Infrastructure Division, where she is responsible for developing the organization's strategy for promoting a carbon neutral energy infrastructure and the decarbonization of industry.

She leads on behalf of UNIDO global initiatives and engagement with global actors such as SEforALL and the Clean Energy Ministerial.

Rana holds a Bachelor Degree in Environmental Science and a Master Degree in Environmental Economics from Imperial College.



Rebecca Dell,
ClimateWorks Foundation

Rebecca Dell leads the industry program for ClimateWorks Foundation, the largest philanthropic program in the world dedicated to reducing and eliminating the one-third of greenhouse gas emissions that come from the material economy. Previously, she worked at the U.S. Department of Energy in the Obama Administration, where she coordinated implementation of President Obama's Climate Action Plan and was a lead analyst and author of the U.S. Quadrennial Energy Review. Before her federal service, Rebecca was a scientist at the Scripps Institution of Oceanography, studying the interaction between the ocean and land-based ice sheets like those in Greenland and Antarctica. She has a PhD in climate science from MIT and is a fellow of the Center for Global Energy Policy at Columbia University.



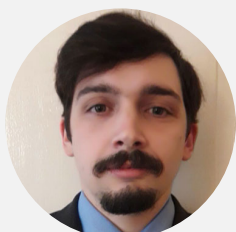
Gokce Mete,
Stockholm Environment Institute

Ms. Gokce Mete, Evidence Lead, Leadership Group for the Industry Transition Secretariat hosted by the Stockholm Environment Institute – Gokce is a research professional with a decade of regulatory analysis, project development and stakeholder management experience focused on energy and industry transitions. She is also the honorary Head of Research and Academic Engagement of the “Women in Energy, Climate and Sustainability Foundation” and Founding Member of the Women in Green Hydrogen.



Christian Diendorfer,
Austrian Institute of Technology

Christian Diendorfer studied mechanical engineering with a strong focus on conventional and renewable energy technologies at the Vienna University of Technology and at the University of Arizona. Following his dissertation in the field of solar energy, he moved to the oil and gas industry, where he worked in different roles in engineering as well as portfolio management & planning. In parallel to his work, he completed an MBA in Energy Management at the Vienna University of Economics and Business (WU Executive Academy), where he specialized in strategic decision analysis and blockchain technology in the energy industry. Christian is currently employed at the Austrian Institute of Technology (AIT), where he is focusing on the decarbonization of the energy-intensive industry and a future hydrogen economy in Europe. In addition, he works on the strategic development of European research agendas in the energy sector. In his teaching activities as an external lecturer at the Vienna University of Technology and the University of Applied Science Technikum Wien, he teaches solar energy and geothermal energy respectively.



Emanuele Bianco,
IRENA

Emanuele Bianco is an Associate Programme Officer at the International Renewable Energy Agency (IRENA), in the Renewable Energy Market Unit. His areas of interest cover the renewable energy policy issues across the whole spectrum of the energy system, including variable renewable energy system integration, power market design, electrification and green hydrogen. He contributed to IRENA's analysis on the renewable energy market in Southeast Europe, auction design and power market structures.

Before joining IRENA, he worked in the International Energy Agency (IEA) in the Renewable Energy Division, where he actively contributed to IEA's analysis on power system integration of renewable energy and renewable energy market evolution.

He has a combined ten years of experience in renewable energy policy analysis. He has received an M.Eng. in Nuclear and Energy Engineering from the Polytechnic School of Turin.



Peter Levi,
IEA

Peter Levi joined the Energy Technology Policy Division of the International Energy Agency (IEA) in 2017 and leads the sectoral analysis of Industry within the Division. His work is focussed on the technologies and policies that can be employed to mitigate greenhouse gas emissions from 'hard to abate' sectors within industry, as well as cross-cutting themes, such as energy security, hydrogen, carbon capture and electrification. Before joining the IEA, Peter worked in the private sector for three years in an engineering consultancy. He attended the University of Cambridge, where he obtained PhD and MPhil degrees, and prior to that the University of Bristol for an MEng degree, all in engineering.



Chris Bataille,
IDDRI

Chris Bataille has been involved in energy and climate policy analysis for 24 years as a researcher, energy systems and economic modeller, analyst, writer, project manager, and executive. His career long focus has been “How do we transition to a globally sustainable energy system?”. He is currently an Associate Researcher at the Institute for Sustainable Development and International Relations (IDDRI.org) in Paris, and an Adjunct Professor at Simon Fraser University. Chris is a Lead Author for the Industry Chapter of the 6th cycle of the IPCC Assessment Report 2019-2021.

Chris has been involved with the Deep Decarbonization Pathways Project lead by IDDRI since he was lead editor of a special issue of Climate Policy on the Deep Decarbonization Pathways Project (DDPP) in 2015-16. He also helped manage the global DDPP leading up to COP 21 and was co-lead author of the Canadian chapter. Chris is currently IDDRI project coordinator for a Latin Deep Decarbonization Pathways Project involving Mexico, Costa Rica, Colombia, Peru, Ecuador, and Argentina. Dr. Bataille also manages an ongoing project to review technology and policy options for net-zero emission decarbonization of heavy industry (i.e. steel, cement, keystone industrial chemicals, wood products, mining and smelting, glass). A global peer reviewed summary of the research project was published in the Journal of Cleaner Production in 2018, and another was published in Wiley Interdisciplinary Reviews in 2019. Chris has also prepared detailed physical and policy transition plans for the Canadian steel, chemicals, mining and forest products sectors, published as a separate report.



Leon Stille,
New Energy Coalition

Leon Stille has a background in Earth Sciences (Bsc) and renewable energy technology (Msc) from the University of Utrecht. From the start of his career he has focused on conventional and renewable energy technology development and education. He has held commercial roles in several energy companies such as the Dutch gas grid operator Alliander and international Oil & Gas Company Frames.

Furthermore, he worked for the Netherlands organization of Applied sciences (TNO) as business development manager dedicated to enabling and accelerating the energy transition. In this role he has initiated several large scale international research and development programs, as well as technology development trajectories towards industrial applications of CCUS, Green gas, gas conversion technologies (hydrogen, ammonia and DME), geothermal applications and water purification. Always with a strong international focus, with particular experience in South-East Asia, Canada and East Africa.

Currently, Leon is working as General Manager of the Energy Delta Institute at the New Energy Coalition, dedicated to providing education and promotion towards the energy transition. Here Leon is key lecturer renewable gas, expert speaker on energy transition topics and moderator of an energy webinar series. He holds 2 patents on biogas purification and conversion and was the chairman of the company advisory board of the European Biogas Association for several years.



Gamze Ünlü,
IIASA

Gamze Ünlü joined IIASA (International Institute of Applied Systems Analysis) in October 2019, as a Research Assistant in the Integrated Assessment and Climate Change (IACC) program. Ms. Ünlü obtained her MSc degree in Complex Systems Engineering and Management from Delft University of Technology specializing in energy systems, modelling and simulation (2019). She completed her undergraduate studies in Industrial Engineering in Turkey, Bilkent University (2017). Her main research interests include policy design for energy transition, energy systems modelling and scenario analysis to support policy decisions. Her previous work includes agent-based modelling of socio technical systems with a focus on investment decisions for renewable energy systems, policy analysis of the coupling between heat and power sectors. Currently in IIASA, she is working on the modeling of the energy intensive industry production processes such as petro-chemicals and aluminum, with the integrated assesment modeling framework MESSAGEix. The resulting scenarios from this research aims to explore decarbonization options from industry and the end use sectors that are the source of the material usage



Jennifer Layke,
World Resources Institute

Jennifer Layke is the Global Director, Energy Program at World Resources Institute. Jennifer leads an international team of energy specialists delivering the clean energy transition by deploying energy efficiency, renewable energy and energy access solutions. Jennifer has worked across the public, private and NGO sectors to support clean technology, human economic development and to protect the environment.

From 2010-2014, Jennifer created and directed Johnson Controls' Institute for Building Efficiency, a global initiative to provide information and analyses on the technologies, policies, and practices to deliver high performance buildings. She co-founded the Building Efficiency Accelerator (BEA), a public-private collaboration of over 50 partners supporting nearly 60 cities implementing energy efficiency policies and projects.

Earlier in her career, her pioneering U.S. Green Power Market Development Group (created in 2000) was the foundation for nearly two decades of corporate renewable energy procurement efforts. In addition to establishing these private sector programs, she led WRI's work on U.S. cap and trade design from 2006-2009 in the U.S. Climate Action Partnership.

Jennifer's international experience includes consulting for the World Bank and the U.S. EPA on technology transfer for ozone layer protection under the Montreal Protocol. In 1990, she was awarded a Thomas J. Watson Foundation fellowship for a year of sociology research in Singapore, Malaysia and Taiwan. She has an A.B. in Asian Studies/Political Studies from Pitzer College in Claremont, CA, and was a student at Nanjing University, China during her undergraduate years. In 1997 she completed a dual M.S. and MBA from the University of Michigan's Erb Institute for Sustainability.



Radia Sedaoui,
UNESCWA

Radia Sedaoui has been appointed as Chief Energy Section at the Sustainable Development Policies Division of ESCWA from 1st February 2016.

Radia previously served as Head Statistics and Gas Modeling Department at the Intergovernmental Organization of the Gas Exporting Countries Forum in Qatar since 2010. Before that, Radia held several managerial and senior positions in Sonatrach and is an active member at the “Arab Energy Club”, the “Algerian Association for Renewable Energies” and the “Algerian Gas Association”. Ms. Radia holds a Bachelor of Industrial Engineering, Master in petroleum Economics, and an MBA from the Robert Gordon University, UK.



Simeon Agada,
UK Department for Business Energy and Industrial
Strategy (BEIS)

Simeon Agada is the Head of Clean Energy and Advanced Economies at the UK Department for Business Energy and Industrial Strategy (BEIS). Simeon is responsible for the UK's bilateral energy relationship with the US, Canada, Japan and South Korea. He is the lead UK representative to the International Renewable Energy Agency (IRENA) and the Clean Energy Ministerial (CEM). Prior to his current role, Simeon was an Energy Strategy Advisor at BEIS; contributing to the development and delivery of UK energy policy. He has served in multiple operational and leadership roles in the energy industry. Simeon started his career as an Engineer at Baker Hughes GE where he designed and coordinated international energy projects. He holds a PhD in Engineering from Heriot-Watt University and he completed a Postdoctoral Fellowship at Imperial College London.



Hilton Trollip,
South Africa

Hilton Trollip graduated with an MSc Electrical Engineering from Wits in 1983. He was centrally involved in developing the 1998 energy White Paper Policy. In 2000 he has was appointed senior lecturer and was the Postgraduate Director of the Energy and Development Studies Programme at University of Cape Town. He was Principal Engineer Energy and Climate Change at the City of Cape Town in 2011-2013 and worked as a senior researcher at UCT Energy Research Centre from 2013-2018. One of his core projects there was main drafter of the South Africa Local Government Association's inputs to the National Electricity Plan called the Integrated Resource Plan (IRP). His main interest is Energy Transitions. He led the South Africa team for the Deep Decarbonisation Pathways Project and his current main activity is leading the South African team in a 3-year project called: From NDCs to pathways and policies - Transformative climate action after Paris.



Jérôme Bilodeau,
NRCAN

Jérôme Bilodeau is the Acting Director of the Buildings and Industry Division at Canada's Office of Energy Efficiency, and teaches Energy Efficiency Policy at Carleton University. Prior to joining the Office of Energy Efficiency, he was Senior Consultant at Dunsky Energy Consulting, and Head of GHG Policy Development and Analysis within Environment and Climate Change Canada's Energy and Transportation Directorate.

He sits on the board of the Canadian International Council's National Capital Branch, and was a board member of the Canadian Coalition for Green Finance.

Jérôme holds a B.A.Sc. in Mechanical Engineering from the University of Ottawa, and an MBA from HEC Montréal.



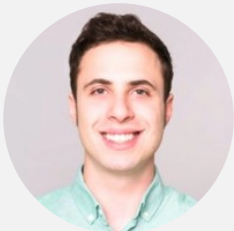
Shri Abhay Bakre,
BEE

Shri Abhay Bakre is a Post Graduate (M. Tech.) in Elect. Engineering from IIT, Kharagpur. He belongs to 1988 Batch of Indian Railways Electrical Engineering Services, Ministry of Railways. He has worked in several Railway projects including Delhi Metro & Kolkata Metro extension projects.

He has also worked as Joint Development Commissioner in the Ministry of Micro, Small and Medium Enterprises and was Nodal officer for National Manufacturing Competitiveness Programme.

As the Head of Petroleum Conservation Research Association (PCRA) under the Ministry of Petroleum & Natural Gas he was responsible for initiating fuel conservation policy in transport sector and appliance sector. Before joining BEE, he worked as Executive Director in the Ministry of Railways and he was nodal officer for GHG reduction in Indian Railways.

As DG, Bureau of Energy Efficiency, he is currently Sherpa for Clean Energy Ministerial (CEM) platform of 26 Government members. He represented Ministry of Power in G-20 Energy Ministerial meetings at Argentina in 2018, at Japan in 2019 and at virtual G20 Summit hosted by Kingdom of Saudi Arabia in 2020. As DG, his priority is to initiate new policies and programmes to facilitate climate change mitigation and Energy Transition in the country.



Florian Marko,
BMK

Master's degree of environmental geosciences at the University of Vienna. After 2 years of experience in environmental consulting for the private and public sector in Central Europe and Brussels, he joined the Department for General Issues of Energy Transformation and Sector Coupling of the Austrian Federal Ministry for Climate Action (BMK) during the Austrian Presidency of the EU Council in 2018. His work is focused on policies and incentivising schemes for hydrogen and renewable gases on national and EU level. As co-chair of the Group of Experts on Gas of the UNECE as well as a member of the UN Hydrogen Task Force he's also internationally committed in this field.



Saritha Sudharma Vishwanathan,
Indian Institute of Management Ahmedabad

Saritha Sudharma Vishwanathan is a postdoctoral fellow at Center for Social and Environmental Systems Research, National Institute for Environmental Studies (NIES), Tsukuba, Japan. She received her fellowship in Management majoring in Public Systems and Public Policy from the Indian Institute of Management-Ahmedabad (IIMA). As a PhD candidate and as a postdoctoral fellow, she has been contributing to international projects (UNEP-DTU HIO under SEforALL, MILES, Coal Transitions, CDLINKS, DDP BIICS, ENGAGE) related to develop low-carbon, and carbon-neutral pathways at national level. Her research focuses on energy-water-environment systems modelling, socio-technological transitions, integrated assessment, institution and policy analysis. She was selected as a research exchange scholar in the Energy (ENE) and Air Quality and Greenhouse Gases (AIR) programs at International Institute of Applied Systems Analysis (IIASA) in Laxenburg, Austria. As a visiting faculty at the Adani Institute of Infrastructure Management, she has taught courses such as Managing Energy Businesses and Global Carbon Finance.



Anthony Hobley,
World Economic Forum

Anthony Hobley is the Executive Director of the Mission Possible Platform a partnership between the World Economic Forum and the Energy Transitions Commission. Anthony was Chief Executive Officer of the Carbon Tracker Initiative from February 2014 to March 2019, and now is co-chair of the Advisory Board. Previously he was a partner and Global Head of the Sustainability & Climate Finance Practice at global law firm Norton Rose Fulbright. Formerly he was General Counsel to the Climate Change Capital Carbon Fund and Director of Legal Policy for Climate Change Capital which he joined in September 2005. Anthony specialised in climate change and clean energy law as well as UK, EU and international environmental law. He has played a key role in helping to design the UK's pilot emissions trading scheme and in developing key aspects of the EU ETS. He advised a wide range of banks, trading companies, project development companies, corporates and public sector entities who were active participants in carbon markets. Anthony was seconded to Norton Rose Fulbright's Sydney office between 2010 and 2012 where he was heavily involved in the development of the emerging carbon and clean energy markets in Australia and Asia. He was a key figure behind the creation of the business advocacy group Businesses for a Clean Economy, a coalition of business arguing for a price on carbon. Anthony was behind the creation of the business group Climate Markets & Investment Association. He sat on the board of the Verified Carbon Standards Association (now Vera) between 2007 and 2015. He currently sits on the Advisory Board to the Climate Bonds Initiative and the Global Footprint Network. He has recently been a senior advisor to the UN Principles for Responsible Investment (PRI), the specialist climate events and media company Climate Action and the Global Law Firm Clyde & Co. Anthony holds a First-Class Honours Degree in Chemistry & Physics and an LLM in Environmental Law. He qualified as a solicitor of England and Wales in 1994. He writes and speaks widely on climate risk and the financial sector.



Radhika Lalit,
Rocky Mountain Institute

Radhika Lalit is a Manager within the Climate Aligned Industries Program at Rocky Mountain Institute (RMI) where she is engaged as a core member of the Mission Possible Partnership. She is also the Director of the Center for Climate-Aligned Finance—a global center of expertise on climate alignment dedicated to leveraging finance to catalyze decarbonization in the real economy. Radhika is also leading a global coalition of over 30 leading organizations to spur innovation in the air conditioning industry through the Global Cooling Prize. At RMI, Radhika is also engaged with the “Finance the Future” initiative which looks to scale clean energy and energy-efficiency financing within the U.S. residential sector. Previously, she also worked on projects with the U.S. Department of Energy to promote deep energy efficiency retrofits in federal buildings using Energy Savings Performance Contracting (ESPC) arrangements as well as led the financial and business model analysis for a proposed retrofit requirement scenario for commercial and residential buildings at the point of sale for a major city in the U.S. Prior to RMI, Radhika worked as a sustainability strategy consultant to over thirty Fortune 500 corporations in India and has successfully engaged businesses to catapult solutions for sustainable development. Radhika has a Master’s in International Policy Studies from Stanford University as well as an MBA in Finance and engineering bachelor’s from leading institutions in India

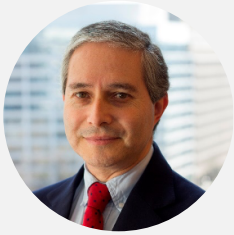


Morgan Bazilian,
Payne Institute

Morgan Bazilian is the Director of the Payne Institute and Professor of Public Policy at the Colorado School of Mines. Previously, he was Lead Energy Specialist at the World Bank. He has over two decades of experience in the energy sector and is regarded as a leading expert in international affairs, policy and investment.

Dr. Bazilian holds two Master’s degrees and a Ph.D. in areas related to energy systems and markets, and has been a Fulbright fellow. He holds, or has held, several affiliations including at Columbia University, Cambridge University, The Royal Institute of Technology of Sweden, the Center for Strategic and International Studies, and the International Institute for Applied Systems Analysis. He is on the editorial boards of Environmental Research Letters, Energy strategy Reviews, and Energy Research and Social Science. He has published over 140 articles in learned journals. His book, Analytical Methods for Energy Diversity and Security is considered a seminal piece in the area of energy finance and security. His work has been published in Science, Nature, Foreign Affairs, Foreign Policy, and Proceedings of the National Academy of Science.

Dr. Bazilian was a member of the World Economic Forum’s Global Advisory Council on Energy, and on the Global Advisory Council of the Sustainable Finance Programme at Oxford University. Previously he was a Deputy Director at the U.S. National Renewable Energy Laboratory (NREL) and a senior diplomat at the United Nations. Earlier in his career, he worked in the Irish Government as Principal Advisor to the Energy Minister, and was the Deputy CEO of the Irish National Energy Agency. He was the European Union’s lead negotiator on low-carbon technology at the United Nations climate negotiations. He is also Member of the Council on Foreign Relations.



Ivan Jaques,
ESMAP/World Bank

Ivan Jaques, Senior Energy Specialist at the Energy Sector Management Assistance Program (ESMAP) of the World Bank. He currently leads ESMAP's Industrial Decarbonization window and previously worked on improving service delivery of cities through energy efficiency, working across energy, urban, transport, and water sectors to support client engagement, project identification, preparation, and implementation. Before joining the World Bank, he was Deputy Director of Chile's Energy Efficiency Agency in charge of policy development and design of the country's long-term action plan. He has also worked on sustainable transport in Chile and Japan.