



ACCELERATING ENERGY TRANSITION

## PRODUCTS TRACK: FEBRUARY EDITION ENERGY EFFICIENCY POLICIES AND REGULATIONS

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



**Mark Radka,**  
UN Environment Program

Mark heads UNEP's Energy and Climate Branch, where he manages the organization's efforts to link the global energy and environment agendas. UNEP's focus is on helping countries reduce emission of greenhouse gases through broad cooperative efforts and supporting engagement by the financial industry in the sustainable energy sector.

Mark has a special interest in the technology needs of developing countries and was a coordinating lead author of the IPCC's Special Report on Methodological and Technological Issues in Technology Transfer. Before joining UNEP he worked on domestic and international environmental programmes with the U.S. Environmental Protection Agency and the World Bank, and was a U.S. Peace Corps volunteer in Thailand. Mark received a Master of Public Policy degree in Environmental Policy from Harvard University's Kennedy School of Government, a M.S. degree in Environmental Engineering from the University of California at Berkeley, and a S.B. in Civil Engineering from the Massachusetts Institute of Technology.



**Paul Kellett,**  
UN Environment Program

Paul is responsible for the day to day management of UN Environment's \$57 M Global United for Efficiency (U4E) Market Transformation Programme for more energy efficient appliances and equipment, supporting developing countries and emerging economies to fully move their markets to more energy-efficient appliances and electrical equipment. The U4E programme maintains and builds relations with countries and private sector partners which include all the major global electrical equipment manufacturers. The global programme enables the faster and more widespread uptake of much more efficient electric lighting, cooling appliances, general service motors and power distribution transformers in more than 40 developing and emerging economies, saving them up to 20% of their electricity consumption. The global U4E programme is based on proven market transformation and modern technology procurement strategies following regional regulatory harmonisation and national level integrated policy approaches.



**Ashok Sarkar,**  
World Bank

Ashok Sarkar is a Senior Energy Specialist Team Leader working on clean energy operations at the World Bank's Energy and Extractives Global Practice in Washington DC for the past 15 years.

During his professional career spanning 25+ years including earlier in the Asian Development Bank, USAID, and RMA (USA), Ashok has led and participated in sustainable energy operations in over 40 countries, valued cumulatively at over \$2.5 billion. He is working on energy efficiency, Super ESCOs, DSM/demand response, solar PV, electric mobility, green hydrogen and sustainable cooling. Ashok leads two MENA regional advisories on "Clean Energy Transition and Employment Impacts" and "Unlocking the Electric Mobility Opportunities, Strategies and Solutions" and he is currently leading or working on country-specific projects in India, Bangladesh, Sri Lanka, Saudi Arabia, Egypt, Yemen, South Africa and Sao Tome & Principe.

Ashok received his undergraduate mechanical engineering from the Delhi College of Engineering (now Delhi Technological University), India and started his career in BHEL (India), as a power engineer designing thermal power stations.

He subsequently obtained a Masters in Energy Planning and Policy from the Asian Institute of Technology, Bangkok, and a Ph.D. from the Nelson Institute for Environmental Studies at the University of Wisconsin-Madison, USA. He has published and presented extensively, including as a regular visiting faculty for past 20 years at the University of Oslo's summer program on sustainable energy development. He had also served as a Member of the CDM Meth Panel at the UNFCCC (2005-07) and as the Chair of UNEP's Global Experts Task Force on LED Lighting (2015-17).



**Benigna Boza-Kiss,**  
International Institute for Applied Systems Analysis

Ms. Benigna Boza-Kiss is a Research Scholar at the Energy, Climate, and Environment (ECE) Group of IIASA, working on low emission and low energy demand scenarios, including their policy relevance and sustainable development (SDG) implications. Her main research interest is in understanding the trends and dynamics of technology, behavior and policy developments in the area of sustainable development, climate change, SDGs, and related to their nexus with other fields. Furthermore, she is responsible for the maintenance and enhancement of the "Energy and Carbon Emissions Inventories Database" (ECDB) that can be used to show the trends and underlying factors of uncertainty in energy and emissions reporting.

Ms. Boza-Kiss holds an MSc in environmental science and policy from a joint program of the Central European University (CEU, Budapest, Hungary) and Manchester University. She also completed an MSc in Biology and a bachelor's degree in Scientific English Translation at Eotvos Lorand University (Budapest, Hungary). Prior to joining IIASA, she worked at CEU as a researcher on energy end-use technologies, and on the policy-science interface developing evidence-based policy support tools; at the European Commission, Joint Research Center (JRC) on energy efficiency policies, financing and demand side behavior; and at the GreenDependent Institute (Hungary) with a focus on the research-citizen interface related to sustainable lifestyles. Currently, she holds a parallel research position at CEU and is working toward her PhD on policy interaction.



**Paolo Gemma,**  
International Telecommunication Union

Dr. Paolo Gemma plays an active role in international standardization activities. Since 1993, he has been engaged in ETSI (European Telecommunication Standard Institute) activities and he also participates in the development of EMC standards.

In 1997, Dr. Gemma joined ITU-T Study Group 5 on Environment, climate change and circular economy as a Rapporteur and he is now the Chairman of Working Party 2 "Environment, climate change and circular economy."

In 2002, Paolo Gemma was appointed as the Secretary of the Committee ETSI TC EE and as of 2009 he holds the position of Chairman of the EEPS EE (eco Environmental product standard) working group.

He is also Vice-chairman of the United for Smart Sustainable Cities (U4SSC) initiative and the Co-chairman of Focus Group on Environmental Efficiency for Artificial Intelligence and other Emerging Technologies (FG-AI4EE) at ITU.

Paolo Gemma is a senior expert of Huawei Digital Power WEU product Management and representative of Huawei on issues related to energy saving and environmental sustainability.

Paolo Gemma is a graduate in electrical engineering from the University of Genoa.



**Ian Hamilton,**  
UCL Energy Institute

Dr Ian Hamilton is an Associate Professor at the UCL Energy Institute, University College London, UK. Ian is also the Executive Director of the Lancet Countdown on Health and Climate Change.

Ian's research in the built environment is focused on the nexus of climate, energy and health. This includes building stock energy performance, sustainable building technologies, indoor environment and health impact assessment. Ian leads The Lancet Countdown on Health and Climate Change, a collaboration of 35 leading research institutions around the world working on building and communicating the evidence base on the intersection of health impacts of climate change and its drivers. Ian is the Principal Investigator for the International Energy Agency's Annex 70 - Building Energy Epidemiology, a Co-Investigator on the UKRI Centre for Research into Energy Demand Solutions, the NERC funded APEX London Air Pollution and ANTICIPATE projects, and Newton funded Capability and Energy Poverty in Mexico project. Ian is the UCL lead for the IEA and UNEP Global Alliance for Buildings and Construction initiative. Ian has an interdisciplinary publication record in leading journals including Energy Policy, Applied Energy, Energy & Building, The Lancet, and BMJ.



**Dawa Zangmo,**  
Ministry of Economic Affairs, Bhutan

Dawa Zangmo is the Chief Engineer at the Department of Renewable Energy under the Ministry of Economic Affairs, Royal Government of Bhutan. She has been working in the Department for the last 8 years in the field of Renewable Energy and Energy Efficiency.



**Emily McQualter,**  
International Energy Agency

Emily works collaboratively with partners to apply her technology and policy experience to help deliver an energy-efficient and green economic future. Her extensive professional experience in energy efficiency policy and programming in the International Energy Agency, United Nations and the Australian Government, complemented by a research and publication record, enable me to provide strong technical and programme management guidance to energy efficiency programs in developing and transitioning economies.



**Martina Otto,**  
UN Environment Program

Martina leads UNEP's work on cities, coordinating the UNEP-wide offer to support cities and promote multi-level policy integration. Under her responsibility is also the work on buildings, heading the Secretariat of the Global Alliance for Buildings and Construction; and food systems. Martina has worked for UN Environment since 1999 in different substantive and management functions. Her areas of expertise include sustainable energy, transport, buildings, climate change, air quality and sustainable consumption and production.



**Kofi Agyarko,**  
Ghana Energy Commission

In his 18 years' experience in the energy sector, Kofi Agyarko has designed and successfully implemented a number of energy efficiency projects; the 2007 mass CFL exchange programme, capacitor banks installation and GEF/UNDP funded project on Energy Efficient Refrigerators and Market Transformation in Ghana. Kofi served as a member of the UNEP-GEF lighting and refrigerating task force formed in 2015 to develop policy guidelines for accelerating the global adoption of quality, energy efficient lighting and refrigerating appliances.

He is the ECREEE focal point in Ghana and a member of the Energy Efficiency Task Force of the Montreal Protocol Technical and Economic Assessment Panel (TEAP). He serves on the Interim Steering Committee of the Cool Coalition and chairs the Cool Coalition Working group on dumping of used products in Africa. A regular resource person in International Energy Agency's (IEA) Global Conference on Energy Efficiency.



**Clotilde Rossi di Schio,**  
Sustainable Energy for All

Clotilde Rossi di Schio is a senior specialist for energy efficiency as well as cooling.

Prior to joining SEforALL, Clotilde has been working in the energy sector for more than 12 years as a member of McKinsey's German office and at Turboden, a Mitsubishi Heavy Industry group company.

As a research assistant with the SIPA Center on Global Energy Policy at Columbia University, she specialized in decarbonization strategies.

Clotilde has an MBA in Finance from Columbia Business School, an MPA in Energy Policy from Columbia SIPA and a Master of Science in Mechanical/Industrial Engineering from Vienna University of Technology.



**Mongi Bida,**  
UN Social and Economic Commission for Western  
Asia (UN ESCWA)

Mongi BIDA is a First Economic Affairs Officer at the UN Social and Economic Commission for Western Asia (ESCWA) since 2011 (Energy Section / Climate change and Natural Resource Sustainability Cluster). His work focuses on sustainable energy, with a special emphasis on energy efficiency (EE), renewable energy (RE), energy access, and energy security issues and policies, where he contributed to the conduction of several related regional projects and the preparation of a number of policy briefs, publications and reports issued on these topics by ESCWA.

Prior to this appointment, he built up over twenty years of experience, as a Senior Expert and Professional Engineer, in the sustainable energy field (policy, economic, technical, technology & market assessment and stimulation) and mechanical engineering design. He was involved in the development of many EE & RE policies and programs for the Tunisian government, including building energy codes, labelling, technical guides and pilot projects / energy labelling and MEPS for household appliances and air conditioning equipment / technical guides, and technical & financial eligibility documents for the Prosol Tunisian solar water heating program. He also conducted the design and commissioning of building HVAC & mechanical systems for several dozens of building construction and retrofit projects in Tunisia in various sectors.

During his previous assignments, he held the following positions: Head of CEESSEN consulting firm (1996-2011), Chief of Mechanical Systems Engineering Section in a large Tunisian consultancy firm (1992-95), Project Director / adviser for the VITA-USAID Djibouti Energy Initiatives Project (1989-91), Senior Energy Analyst with W.S. FLEMING & ASSOCIATES - Albany, NY- USA (1988-89).

He Holds a Master of Sciences (M.Sc.) degree in Building Energy & Systems Engineering (1984) from the University of Colorado, Boulder - USA, and a bachelor (B.Sc.) degree in Building Engineering (1981) from the Ecole Nationale d'Ingénieurs de Tunis-Tunisia. He also completed the program for a PhD degree in Building Energy Systems Engineering (1988) at the University of Colorado, Boulder.





**Manuel Heredia,**  
Asia Pacific Energy Research Centre

Manuel Heredia has recently joined the Asia Pacific Energy Research Centre (APERC) as a researcher. APERC is an energy research institution with headquarters in Tokyo that contributes to the APEC member economies by conducting studies that help the economies better understand the energy-related challenges they might face and potential solutions. Before joining APERC, Manuel worked at the Ministry of Energy of Mines of Peru as a specialist in Energy Planning and Renewable Energies, where he was part of the team responsible for developing the energy balance and the national energy plan. Manuel has previously worked as a consultant for the Ministry of Economy and Finance of Peru in Energy Efficiency projects.

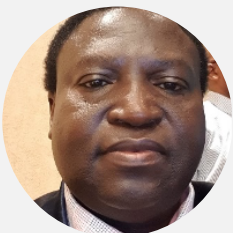


**Morris Kayitare,**  
UN Environment Program

Morris Kayitare is the Project Lead for the Rwanda Cooling Initiative (R-COOL), a joint program of Rwanda Environment Management Authority and UNEP's Unite for Efficiency, that is supported the government of Rwanda in developing and implementing the National Cooling Strategy aimed at promoting clean and efficient cooling.

Prior to that, Morris was the director of National Primary Energies at Rwanda Energy Group, the National institution in charge of developing and implementing national energy projects.

Over the past 13 years, he held various positions in government and private sector, in the field of Telecommunication and Energy and Environment.



**Readlay Makaliki,**  
SADC Centre for Renewable Energy and Energy  
Efficiency (SACREEE)

Readlay Makaliki has extensive experience of over 25 years in an Electricity Industry involved in generation, transmission and distribution most of it at Senior Management Level including Senior Manager Demand Side Management (DSM), Divisional Manager Copperbelt, Technical Services Manager and Principal Protection Engineer.

In 2018 he joined the Southern African Development Community (SADC) Centre for Renewable Energy and Energy efficiency (SACREEE) an institution focusing on promoting renewable energy and energy efficiency through resource mobilisation, policy harmonisation, quality assurance, capacity building and knowledge management and communication. In the capacity of Renewable Energy Expert, he coordinated the development of the 2018 SADC Renewable Energy and Energy Efficiency Status Report and other SACREEE programmatic activities. Currently he is the Lead Technical Expert on the Sida funded and UNIDO implemented Energy Efficient Lighting and Appliances (EELA) Project.

He holds a Bachelor of Engineering Degree (BEng) in Electrical from the University of Zambia (UNZA) and a Master of Science (MSc) in Electrical Power Engineering from Chalmers University of Technology in Gothenburg, Sweden. His interests include, power quality, renewable energy and energy efficiency. He is a member of the Engineering Institute of Zambia (EIZ), Institute of Electrical and Electronic Engineers (IEEE).



**My Ton,**  
Econoler

My Ton is an internationally recognized expert in energy efficient technologies, policies and programs. He has over 20 years of experience in developing standards and specifications, policy research, as well as in the conceptualization, implementation, management, and evaluation of EE and market transformation programs. His work experience also covers international development, project financing as well as knowledge and capacity building for energy efficient and emissions reduction initiatives.



**Rebecca Schloemann,**  
CLASP

Rebecca is a Senior Associate on the Climate team at CLASP, where she works closely with government agencies, multilateral institutions, and other partners to facilitate the adoption of new and improved energy efficiency policies for on-grid appliances. Since joining CLASP in 2018, Rebecca has supported the development of multiple policy models for estimating the energy, emissions, and economic impacts of efficiency and refrigerant policy. She spearheaded CLASP's recent research into environmental dumping of inefficient, high-GWP cooling equipment in Africa, and continues to explore opportunities to use policy to prevent the influx of low-efficiency equipment into developing economies. She also leads CLASP's appliance efficiency work in Vietnam, where she is developing a market surveillance pilot program in collaboration with the Vietnam Ministry of Industry and Trade. Rebecca holds a Master's degree in International Relations and International Economics from the Johns Hopkins School of Advanced International Studies, where she studied the economics of climate policy and sustainable development.



**Mirka della Cava,**  
ClimateWorks Foundation

Mirka della Cava has returned to ClimateWorks Foundation, now serving as the Head of Policies, Standards and Programs for the Kigali Efficient Cooling Program managing a diverse grantee portfolio. Formerly, Mirka was a Senior Program Manager for the Colorado Energy Office, leading the state's Energy Performance Contracting program. She also supported development of the state's energy efficiency legislation, testifying on behalf of the New Appliance Energy and Water Efficiency Standards bill which was signed into law in May 2019. Mirka has been involved, both globally and domestically, in energy efficiency, climate change, and energy policy her entire career with senior positions at ClimateWorks Foundation, Lawrence Berkeley National Laboratory, and the US EPA. Most recently, Mirka was honored to receive the Colorado Governor's 2019 Public Service Recognition award. Mirka holds a Masters of International Affairs degree in Environmental Policy from Columbia University and a BA in Political Science from Duke University.



**Gabriela Prata Dias,**  
Copenhagen Centre on Energy Efficiency

Gabriela Prata Dias is Head of the Copenhagen Centre on Energy Efficiency (UNEP DTU Partnership). Previously she was at ADENE, the Portuguese National Energy Agency, where she was Coordinating Director (CEO) with responsibility for implementation of energy efficiency policies in Portugal. She has MSc qualifications in Energy and Environmental Economics and Policy, coupled with a very broad and long experience in energy efficiency, including with the Energy Charter Secretariat in Brussels, in private business and as a researcher.



**James Falzon,**  
European Bank for Reconstruction and Development

James Falzon is Principal in the Energy Efficiency and Climate Change team at the European Bank for Reconstruction and Development, where he is responsible for identifying, structuring and delivering energy efficiency and renewable energy policy dialogue activities in the Bank's 30+ countries of operation. He holds Masters degrees in Energy & Environmental Engineering from the Royal Institute of Technology in Sweden, and Finance and Economic Policy from the University of London.



**Kudakwashe Ndhlukula,**  
SADC Centre for Renewable Energy and Energy  
Efficiency (SACREEE)

Kudakwashe (Kuda) Ndhlukula is the Executive Director of the SADC Centre for Renewable Energy and Energy Efficiency (SACREEE) whose mandate is to promote market based adoption of renewable energy and energy efficiency technologies, practices and services contributing to the sustainable development agenda of the region.

Before SACREEE, Kuda has worked in various capacities in the energy infrastructure expert across Africa and the Middle East. In these roles, spanning over 19 years, he has formulated and executed various landmark projects.

Kuda is a Certified Energy Manager and Certified Energy Auditor. He possesses an MSc in Renewable Energy Engineering and an MBA, amongst other qualifications.