

Tackling the Cooling Challenge with National Cooling Action Plans

- **Side Event: 24 November 2020, 9:00 – 10:00 am CET**
- **32nd Meeting of the Parties of the Montreal Protocol, 23-27 November 2020**
- **Running time: 60 minutes**
- **Co-organizers: UN ESCAP, UNEP-led Cool Coalition, K-CEP**

Context of session

A year ago, the UN Secretary-General António Guterres released a message calling upon countries to develop National Cooling Action Plans (NCAPs) to deliver efficient and sustainable cooling and bring essential life-preserving services like vaccines and safe food to all people while driving climate action.

NCAPs are an important tool to assist countries in understanding and defining their cooling priorities. They can help to identify pathways that integrate comprehensive action to reduce energy related emissions from cooling and align them with plans related to lower emissions from refrigerant transition. They also offer an opportunity for a country to consider how to improve access to cooling and address additional Sustainable Development Goals.

Many countries are developing National Cooling Actions Plans (NCAPs) to help them meet their growing cooling needs. Several of these NCAP pioneers have joined forces in the framework of the Cool Coalition with the goal of developing a more comprehensive NCAP methodology, one that ensures cooling demand is met in a sustainable and climate-compatible manner.

This session will cover the following topics:

1. Tackling cooling comprehensively through National Cooling Action Plans
2. What does it take to develop a National Cooling Action Plan, in line with a country's climate commitments and development priorities?
3. Introduction to the joint NCAP Methodology
4. Development Process and the Data Assessment Framework

AGENDA

TIME	TOPIC	PRESENTER
9:00	Welcome and Overview of existing NCAPs	Dan Hamza-Goodacre, Non-Executive Director of K-CEP, Cooling Lead, COP26 Champions Team
Global National Cooling Action Plan Context		
9:05	The role of NCAPs in addressing development and climate needs	Mazen Hussein, Head National Ozone Unit, Ministry of Environment, Lebanon
9:10	Outline SEforALL needs assessment	Brian Dean, Lead, EE and Cooling, SEforALL

9:15	Linking NCAP to Cold-Chain enhancement needs	Toby Peters, Professor, University of Birmingham
Cool Coalition/K-CEP/UN ESCAP National Cooling Action Plan Methodology		
9:20	NCAP Methodology Introduction	Ksenia Petrichenko, Economic Affairs Officer, UN ESCAP
9:25	NCAP Development Methodology	Sneha Sachar, Strategic Advisor, Alliance for an Energy Efficient Economy
9:35	Piloting the NCAP Methodology	Pak Sokharavuth, Deputy Director General, General Directorate of Environmental Protection, Ministry of Environment, Cambodia
9:40	Q&A	
Cool Coalition/K-CEP/UN ESCAP National Cooling Action Plan Methodology		
9:55	Closing Remarks	Miriam Liliana Hinostroza, Head, Global Climate Action Unit, Energy & Climate Branch
10:00	Event ends	

Moderator:

- Laurie Goering, Climate editor, Thomson Reuters Foundation

Communications Focal Point:

- Sophie Loran, Communications Officer, Energy & Climate Branch, UNEP

Technical Focal Points:

- Marco Duran, Energy Efficiency and Cooling Officer, UNEP led Cool Coalition
- Ksenia Petrichenko, Economic Affairs Officer, UN ESCAP
- Mirka della Cava, Head of Policies, Standards and Programs, Kigali Cooling Efficiency Program

About the Cool Coalition

The Cool Coalition is of the official outcomes and “Transformation Initiatives” put forward by the Executive Office of the Secretary-General for the UN Climate Action Summit in New York. The Cool Coalition is a global multi-stakeholder network that connects a wide range of key actors from government, cities, international organizations, businesses, finance, academia, and civil society groups to facilitate knowledge exchange, advocacy and joint action towards a rapid global transition to efficient and climate-friendly cooling. The Cool Coalition promotes an ‘avoid-shift-improve-protect’ holistic and cross-sectoral approach to meet the cooling needs of both industrialized and developing countries through urban form, better building design, energy efficiency, renewables, and thermal storage as well as phasing down HFCs.


About the Kigali Cooling Efficiency Program (K-CEP)




The Kigali Cooling Efficiency Program (K-CEP) is a philanthropic collaborative that works in tandem with the Kigali Amendment of the Montreal Protocol by helping developing countries transition to energy-efficient, climate-friendly, and affordable cooling solutions. Under the Kigali Amendment, 197 countries committed to cut the production and consumption of hydrofluorocarbons (HFCs) — potent greenhouse gases used in refrigeration and air conditioning — by more than 80 percent over the next 30 years. This effort has the potential to avoid up to 0.4° C of global warming by the end of the century, and up to 0.5° C if the phasedown is accelerated. K-CEP focuses on the energy efficiency of cooling in order to double the climate benefits and significantly increase the development benefits of the Kigali Amendment to phase down HFCs.



About the United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP)

The Economic and Social Commission for Asia and the Pacific (ESCAP) serves as the United Nations' regional hub promoting cooperation among countries to achieve inclusive and sustainable development. The largest regional intergovernmental platform with 53 Member States and 9 associate members, ESCAP has emerged as a strong regional think-tank offering countries sound analytical products that shed insight into the evolving economic, social and environmental dynamics of the region. The Commission's strategic focus is to deliver on the 2030 Agenda for Sustainable Development, which is reinforced and deepened by promoting regional cooperation and integration to advance responses to shared vulnerabilities, connectivity, financial cooperation and market integration. ESCAP's research and analysis coupled with its policy advisory services, capacity building and technical assistance to governments aims to support countries' sustainable and inclusive development ambitions.

Speakers Biographies

	<p>Dan Hamza-Goodacre, Non-Executive Director of K-CEP, COP26 Champions Team</p> <p>Dan Hamza-Goodacre is the Non-Executive Director of the Kigali Cooling Efficiency Program, a global initiative focused on net-zero cooling. Dan is also the cooling sector lead for the COP26 Champions team. Dan has worked on sustainable development in the public and private sectors across the globe for over 20 years.</p> <p>Previous positions include: Senior Director of Buildings and Industry at ClimateWorks; Deputy CEO of the Climate and Development Knowledge Network, U.K. Environment and Agriculture Ministry - Head of the Secretary of State's office; co-founder of the UK's Adapting to Climate Change Program; Adaptation Policy Lead for the UK Climate Change Act and Sustainable Agriculture Advisor, UK Foreign Office Climate Attaché.</p> <p>Dan is a Chartered Environmentalist and Fellow of the Institute of Environmental Management and Assessment. He is a regular speaker and moderator at conferences and events and has written widely on climate and development. Dan has an MSc in International Development from Bristol University, where he also</p>
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	<p>lectured and researched global environmental politics. In his early career Dan lived and worked in the rainforests of Latin America.</p>
	<p>Mazen Hussein, Head National Ozone Unit, Ministry of Environment, Lebanon</p> <p>Mr. Mazen Hussein is a Chemical Engineer with extensive experience in the chemicals sector, industrial and environmental development. His management skills developed during his employment period from 1998 to-date, as Head of the National Ozone Unit in Lebanon enabled the Government of Lebanon in complying with the Montreal Protocol targets. Mr. Hussein is an active negotiator as a party in all the MP meetings. He was selected as Chairman of the Executive Committee of the Multilateral Fund of Montreal Protocol in 2018 and Vice-President of the Implementation Committee of the Montreal Protocol in 2015.</p>
	<p>Brian Dean, Lead, Energy Efficiency and Cooling, SEforALL</p> <p>Brian Dean is from the United States and works as Lead, Energy Efficiency and Cooling in the Vienna office. His role focuses on creating and executing the overall strategy for SEforALL's engagement in the space of energy efficiency and cooling.</p> <p>Brian has spent more than 22 years supporting energy efficiency and cooling from a range of projects, including policy development, building design, energy analytics and software development. He joined SEforALL after spending five years with the International Energy Agency (IEA). As the Lead for Energy Efficiency in Buildings, he and policy tracking, the annual <i>Global Status Report on Buildings and Construction</i> as well as the <i>Future of Cooling</i> report.</p> <p>For almost 14 years, Brian worked in Washington DC, San Francisco and New Delhi as the Head of Energy Efficiency Analytics and Policy at ICF International, a global consulting and technology services company. He started his career as a building designer and HVAC engineer.</p>
	<p>Toby Peters, Professor, University of Birmingham</p> <p>Professor Toby Peters is an award-winning technology developer and industrial academic with more than 14 years of experience in energy storage /energy systems (incl. policy and regulatory environments); clean cooling/the "cold economy" and the environmental, societal and economic impacts of cooling; novel technologies for refrigeration and cooling and their development and system integration. He was the joint-academic lead for the Doing Cold Smarter Policy Commission (October 2015).</p> <p>Building on work pioneering the development of the cold economy and clean cold technologies, he has now broadened this out to</p>

	<p>accelerate transformational innovation to market and improve innovation performance to help meet the world's big social and economic challenges within the limits of our natural resources and time deadlines.</p>
	<p>Ksenia Petrichenko, Economic Affairs Officer, United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP)</p> <p>Ksenia Petrichenko is an Economic Affairs Officer at the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP).</p> <p>Prior to this role, she was a Senior Advisor at the Copenhagen Centre on Energy Efficiency. At the Copenhagen Centre, Ms. Petrichenko was involved in the development of flagship energy efficiency projects in different cities and countries, analytical work on energy efficiency trends and best-practices and raising profile of energy efficiency. She was also a regional coordinator for the Centre's activities in Eastern Europe, Central Asia and Caucuses.</p> <p>Before joining the Copenhagen Centre, Ksenia worked with Global Building Performance Network as a Building Policy Analyst and earlier as a Researcher at the Center for Climate Change and Sustainable Energy Policy.</p> <p>Ksenia has Ph.D. and M.Sc. degrees in Environmental Sciences and Policy from Central European University, as well as Masters in Economics from the National Research University Higher School of Economics in Moscow.</p>
	<p>Sneha Sachar, Strategic Advisor, Alliance for an Energy Efficient Economy</p> <p>Sneha is an energy professional with significant experience in energy efficiency, utility DSM, and strategic energy management. She is passionate about developing market transformation strategies that influence how energy decisions are made at micro and macro levels.</p> <p>Prior to joining AEEE, Sneha spent 16 years working in the US, first as a Senior Consultant with a global engineering services firm, and then as a Lead Programme Manager of energy services with one of the largest utilities in North America. Her experience includes strategic planning, development of energy efficiency programmes, advancing integrated energy solutions including renewables, and developing energy roadmaps for public and private entities. Prior to working in the US, Sneha was a practicing architect in New Delhi.</p> <p>Sneha has a B.Arch. from Institute of Environmental Design in India, an MBA from University of South Carolina, USA, and a professional certification in Sustainability and Energy Policy from University of California, Berkeley, USA.</p>



Mr. Pak Sokharavuth, Deputy Director General, General Directorate of Environmental Protection, Ministry of Environment, Cambodia

He joined the Ministry of Environment in 1993. He has been working in various fields related to environmental policy and planning, Environmental Impact Assessment, environmental education, Montreal Protocol, sustainable energy, etc.

To begin career as Deputy Director of the Pollution Control Department, and then Director the Air Quality and Noise Management, and Deputy Director General. He also appointed as the focal point for the Montreal Protocol on Substances that Deplet the Ozone Layer since 2001, with over responsible of the Montreal Protocol Implementation in Cambodia.



Miriam Liliana Hinostroza, Head, Global Climate Action Unit, Energy & Climate Branch


Miriam is an environmental economist with a PhD in Energy Planning. She has 22 years experience in the field of sustainable development that includes research, elegant leadership, strategic planning and project management.

Her work covers research and policy advice on energy, development and climate change interactions. Her expertise includes mitigation policy analysis, institutional development, market and economic instruments and capacity building in the area of low carbon development and climate change mitigation.

Until January 2019, she served as Head of the Low Carbon Development (LCD) Programme at UNEP DTU where she was responsible for planning and implementing the Programme's activities, which includes managing a team of 20 talented and high profile professionals. She led the LCD's work rooting the Programme in three broad complementary areas: low carbon strategies and actions, MRV systems for transparency and finance, all facilitating the transition towards low carbon development.

Together with her leadership role, she has gained substantive field experience from managing multi-country, multimillion projects devoted to support developing country Parties to implement UNFCCC's decisions to address climate change mitigation. She has conceptualized and, authored numerous publications and knowledge tools as support for better understanding of concepts, rules, mechanisms and instruments as knowledge support to capacity building projects and activities.

Before joining the organization in 2003, Miriam worked at the University of São Paulo as researcher on energy and climate change in the Brazilian energy sector. She has also pioneered applied research in the field of energy and climate change mitigation options for Latin America, looking at socio-economic impacts of emerging regulatory and market based instruments to mitigate climate change in the region. In addition, Miriam is currently supervising PhD

	<p>research projects on institutional development and South-South cooperation in Latin America.</p> <p>Miriam is a peer reviewer for Energy & Environment (multi-science) and Climate and Development.</p>
	<p>MODERATOR</p> <p>Laurie Goering, Climate editor, Thomson Reuters Foundation</p> <p>Laurie Goering is a journalist who edits the Thomson Reuters Foundation's award-winning daily news website on the human impacts of climate change. As part of her work, she developed and mentors a network of more than 100 developing world climate change journalists in an effort to improve reporting on climate change around the world.</p> <p>Prior to coming to the Thomson Reuters Foundation in 2009, she worked as a foreign correspondent for the Chicago Tribune newspaper for 15 years based in New Delhi, Kuwait, Johannesburg, Rio de Janeiro, Havana, Mexico City and London, covering a wide range of issues. She has reported from about 80 countries.</p>