

ASIA CLEAN ENERGY FORUM 2019

PARTNERING FOR IMPACT

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Deep Dive Workshop

The Future of Cooling: Promoting Sustainable Cooling through Technology and Policy Innovation

Point of Contact:

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Background

Cooling is essential to human health and prosperity and is becoming more important as the climate heats up, incomes rise, and populations increase. The use of air conditioners and refrigeration is becoming increasingly common. In fact, the use of air conditioners and electric fans already accounts for about 10% of all global electricity consumption. And still more than a billion people lack access to cooling for their basic needs. Current cooling technologies rely on human-made F-gases that are almost 10,000 times more potent than carbon dioxide in causing global warming. Left unchecked, F-gases could account for nearly 20% of climate pollution by 2050, which is why the F-gas phase down was agreed as a part of Kigali Amendment to the Montreal Protocol.

Actions to ensure that cooling is sustainable, affordable and accessible to all are essential to achieving a sustainable future.

Objective

The aim is to bring together representatives from governments, the private sector, financial institutions and international organizations to discuss the challenges and opportunities of sustainable cooling in the context of the Sustainable Development Goals and the Kigali Amendment. During the event, participants will have the opportunity to learn from experts, exchange ideas and strengthen collaboration with organizations and partners interested in taking action.

Agenda

(indicate duration; exact times to follow)

08:30 a.m. – 08:35 a.m.

08:35 a.m. – 08:50 a.m.

08:50 a.m. – 09:05 a.m.

09:05 a.m. – 09:20 a.m.

09:20 a.m. – 09:35 a.m.

09:35 a.m. – 10:05 a.m.

10:05 a.m. – 10:35 a.m.

10:35 a.m. – 10:40 a.m.

10:00 a.m. – 10:55 a.m.

10:55 a.m. – 11:10 a.m.

11:10 a.m. – 11:25 a.m.

11:25 a.m. – 11:40 a.m.

11:40 a.m. – 12:10 p.m.

12:10 p.m. – 12:15 p.m.

12:15 p.m. – 12:30 p.m.

12:30 p.m. – 12:45 p.m.

12:45 p.m. – 13:15 p.m.

13:15 p.m. – 14:15 p.m.

14:15 p.m. – 14:20 p.m.

14:20 p.m. – 14:35 p.m.

Session 1: Cooling for a healthy and resilient future

Moderator: Toru Kubu, Asian Development Bank

Introduction to the Session – Toru Kubu

Topic: Access to Affordable, Sustainable Cooling

Presenter(s) – people or organizations:

TBC, Sustainable Energy for All

Topic: Setting the Scene – The Future of Cooling

Presenter(s) – people or organizations:

Melanie Slade, International Energy Agency (IEA)

Topic: Efficient, Clean Cooling – Huge Opportunities and Challenges Ahead

Presenter

(s) – people or organizations:

Dan Hamza-Goodacre, Executive Director of the Kigali Cooling Efficiency Program

Topic: Financing and Innovation for Cooling

Presenter(s) – people or organizations: Department for Business, Energy & Industrial Strategy, UK Government

Q&A Session. Guided Discussion from Moderator

Coffee break & Networking

Session 2: Focus on the Policy and Regulatory Aspects of the Cooling Challenge

Moderator: Mel Slade, IEA

Introduction to the Session – Mel Slade

Topic: Cities including district cooling

Topic: Buildings Sector

Presenter(s) – people or organizations: Global Alliance on Buildings and Construction

Topic: Key developments and challenges in energy performance standards and labelling programmes – including a look into price and efficiency

Topic: Non-Buildings Aspect of Cooling

Presenter(s) – people or organizations: Professor Toby Peters, Heriot-Watt University

Q&A Session. Guided Discussion from Moderator

Session 3: Industry Transformation

Moderator: [suggestions needed- UNIDO]

Introduction to the Session - TBC

Topic: MLF

Topic:

Presenter(s) – people or organizations: UNIDO – link to energy efficiency

Q&A Session. Guided Discussion from Moderator

Lunch

Session 4: Scaling-up Efficient Clean Cooling: What is Needed and How to Finance it? (including Private Sector engagement)

Moderator: Peter Warren, UK

Introduction to Session – Peter Warren

Topic: Finance opportunities and challenges for sustainable cooling

Presenter(s) – people or organizations: GIZ Proklima

14:35 p.m. – 14:50 p.m.	Topic: Presenter(s) – people or organizations:
14:50 p.m. – 15:05 p.m.	Topic: Presenter(s) – people or organizations: ADB
15:05 p.m. – 15:35 p.m.	Coffee break & Networking
15:35 p.m. – 16:05 p.m.	Q&A Session. Guided Discussion from Moderator
16:05 p.m. – 16:40 p.m.	Summary, Priority Actions and Q&A This session aims to summarize the key points of the workshop and provide participants with a list of priority actions and next steps.
16:40 p.m. – 16:45 p.m.	Meeting Close

About the Organizers

International Energy Agency - The IEA works to ensure reliable, affordable and clean energy for its 30 member countries and beyond. Our mission is guided by four main areas of focus: energy security, economic development, environmental awareness and engagement worldwide.

Sustainable Energy for All

Kigali Cooling Efficiency Program (K-CEP) - The K-CEP engages with countries willing to ambitiously and quickly integrate energy efficiency into solutions to meet the cooling challenge. Partnerships with these countries will help accelerate national and corporate energy efficiency cooling policies, standards, and programs with the potential to reduce emissions and contribute to sustainable development.

Department for Business, Energy and Industrial Strategy (BEIS), UK Government - The BEIS is the UK Government department responsible for business, industrial strategy, science, research and innovation, energy and clean growth, and climate change. This includes managing the UK's international climate finance for supporting climate change mitigation in developing countries and leading the UK's representation in climate change negotiations.

GIZ Proklima - For more than 20 years, GIZ Proklima has assisted various countries in transitioning to energy-efficient and climate friendly refrigeration and air conditioning technologies through policy advice, technology transfer and capacity building.