

# Side Event on Higher Energy Efficient Cooling and HFC Lifecycle Management as a Key Contribution to Climate Change Mitigation and Adaptation

16:30-17:45, December 5, 2023 (Tuesday)

Japan Pavilion at UNFCCC COP28 in Dubai, the United Arab Emirates

## 1. Background

Improving access to cooling is becoming more important especially for those who live in hot climates with high risk for heat stress, etc., so the cooling demand is rising. Therefore, energy efficiency and refrigerant life cycle management must be further accelerated in parallel because the rapid growth of cooling is putting stress on the power grid and the environment through GHG emissions.

Earlier in 2023, the G7 and G20 Ministers also highlighted the role of energy efficiency and savings as the “first fuel” to drive the energy transitions, and the importance of advancing proper lifecycle management of fluorocarbons, in particular addressing fluorocarbons banks, including refrigerants contained in equipment.

Particularly, the role of energy efficiency is becoming further significant internationally, with the International Energy Agency (IEA) indicating the need to double energy efficiency for net zero by 2050. Along with this momentum, we would also highlight that the COP Presidency is promoting COP28 as “Cooling COP”, bearing in mind the importance of the issue.

The Side Event will highlight multiple aspects of cooling sector for sustainable development and expected roles to contribute to climate change mitigation and adaptation, by providing updates of relevant climate action by countries and international agencies.

## 2. Date & Venue

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## 3. Organizers

Ministry of the Environment (MOE), Japan

Ministry of Economy, Trade and Industry (METI), Japan

#### 4. Draft Agenda

	Time	Contents	Speakers/Affiliation
<b>1 Opening</b>			
	16:30-16:33	Introduction of the side event	Mr. Makoto Kato/ Secretariat of the Initiative on Fluorocarbons Life Cycle Management (IFL)/ Member, Board of Directors Overseas Environmental Cooperation Center, Japan (OECC)
	16:33-16:39	Opening Remark I	Mr. Yutaka Matsuzawa Vice-Minister for Global Environmental Affairs Ministry of the Environment, Japan (MOEJ)
	16:39-16:45	Opening Remark II	Mr. Shinichi Kihara Director-General for Energy and Environmental Policy Ministry of Economy, Trade and Industry (METI)
<b>2 Keynote</b>			
2.1	16:45-16:55	HFCs Life Cycle Management	Ms. Martina Otto Head of the Secretariat Climate & Clean Air Coalition (CCAC)
2.2	16:55-17:05	Mitigation efforts through energy efficiency	Dr. Pablo Hevia-Koch, Head of Renewable Integration and Secure Electricity Unit, International Energy Agency (IEA)
2.3	17:05-17:10	Efforts by industry	Mr. Katsuyuki Sawai Senior Executive Officer Daikin Industries, Ltd. (Daikin)
<b>3 Panel Discussion</b>			
	17:10-17:40 (30 mins)	<i>How do we accelerate energy efficiency and HFCs life cycle management towards achieving the Net Zero Emissions society, while addressing adaptation to climate change?</i>	Moderated by Mr. Makoto Kato, IFL/OECC  Panelists <ul style="list-style-type: none"> <li>● Ms. Abrar Nasser AlJaroodi, Ministry of industry and Advanced Technology (MOIAT), United Arab Emirates</li> <li>● Representative, Bureau of Energy Efficiency (BEE), India</li> <li>● Mr. Nguyen Ngoc Phan, Ministry of Natural Resources and Environment, (MONRE) (Vietnam)</li> <li>● Mr. Jeff Marootian, Principal Deputy Assistant Secretary, Office of Energy Efficiency and Renewable Energy, Department of Energy United States of America</li> <li>● Mr. Virender K. Duggal, Asian Development Bank (ADB)</li> </ul>

			<ul style="list-style-type: none"> <li>● Mr. Katsuyuki Sawai, Daikin</li> <li>● Ms. Martina Otto, CCAC</li> <li>● Dr. Pablo Hevia-Koch, IEA</li> <li>● Mr. Yutaka Matsuzawa, MOE, on behalf of Japan</li> </ul>
4		Closing Speech	
	17:40-17:45	Closing remarks	Mr. Virender K. Duggal ADB