



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

Montreal
Protocol Unit



KIGALI in Acti ON

WORKSHOP ON KIGALI
IMPLEMENTATION PLANS

AGENDA

14-16 June 2023 • Vienna, Austria



1. BACKGROUND INFORMATION

The Montreal Protocol continues to be effective at reducing the atmospheric abundance of Ozone Depleting Substances (ODSs). The landmark agreement is one of the most successful global environmental agreements. The recent report of the Scientific Assessment Panel to the Montreal Protocol on ODS, which is a quadrennial assessment report, proves that coordinated action at the global level can help achieve global environmental objectives.

The UN Secretary General in December 2022 announced his intention to convene a Climate Ambition Summit in September 2023, to generate “new, tangible and credible climate action” to “accelerate action at the mid-way point” of the Sustainable Development Goals (SDGs). He aims to push for a Climate Solidarity Pact, for all big emitters to “make an extra effort” to reduce greenhouse gas (GHG) emissions in line with the 1.5°C goal and provide support for those who need it.

The Conference of the Parties (COP28) to the UNFCCC, to be hosted by the United Arab Emirates in 2023, has announced sustainable cooling as a Presidency priority. Cooling is therefore expected to be at the forefront of global dialogue on the climate crisis and the UN Sustainable Development Goals. The COP28 Presidency has also announced the development of a Global Cooling Pledge and a “Cool COP Menu of Actions,” which will be defined over the coming months.

With the increased global focus on climate change and the urgency to take suitable remedial measures, the crucial importance of Montreal Protocol and the Kigali Amendment comes to the forefront as a global cooperative mechanism. Work done under the agreement to phase out ODSs in various sectors, promote sustainable cooling technologies and encourage joint efforts is crucial and the momentum needs to be maintained.

In the initial years of the treaty coming into force, the HFCs were considered as substitutes for ozone layer-depleting substances, including chlorofluorocarbons (CFCs), which were totally phased out over the years. However, HFCs were also discovered to be among the most potent greenhouse gases, thereby playing a role in global warming. HFCs are commonly used in refrigeration, air conditioning, building insulation, and aerosols.

The Kigali Amendment to the 1987 Montreal Protocol, to phase out the use of Hydrofluorocarbons (HFCs) was adopted in 2016. The Amendment commits the Parties to cut down the production and consumption of HFCs by more than 80 percent over the next 30 years and avoid up to 0.5°C warming by the end of the century. UNIDO has assisted the member states in ratifying the Kigali Amendment.

In the recently concluded meeting of the Multilateral Fund (MLF) Executive Committee in June 2023 in Montreal, Canada, the Executive Committee approved the cost guidelines for servicing sector

under KIP Stage I. The Committee also agreed to support energy efficiency activities agreed as part of the Kigali Amendment, and established criteria and a funding window for pilot projects to maintain and/or enhance energy efficiency in the context of Hydrofluorocarbons (HFCs) phase down to start at the 93rd meeting.

The Article 5 Parties (developing countries) to the Montreal Protocol are required to freeze their HFCs consumption starting 2024 at the determined baseline level. The urgent action from the Article 5 countries plays a vital role in addressing the objectives of the Kigali Amendment, since there are over 120 countries at various stages of development. The Multilateral Fund for the implementation of the Montreal Protocol (MLF) supports these countries to meet their compliance obligations through the Kigali Implementation Plan (KIP).

EVENT THEME AND FOCUS:

The three-day event will have technical sessions where the participants are exposed to the nuances of devising their national plans in line with the KIP requirements. Experts from UNIDO will share their best practices and present to the participants case studies and means of utilizing various tools and data resources available, in devising their plans. The participants will be assigned to groups (language/sectors) for detailed discussions during some sessions.

The participants will be sharing their own experiences at the national level—the success stories, challenges and obstacles as well as opportunities in devising their policies. This peer learning experience and exposure will help the participants to be better equipped to devise policies and national plans.

KIP THEMATIC AREAS

Taking stock of the regional network meetings, and recognizing the compliance timeframe for the Kigali Amendment, and that most countries will be submitting their KIPs to the 93rd ExCom, UNIDO conducted a survey of participants interests and selected the topics to be addressed at this meeting.

The themes of the sessions include:

- Policy tools and instruments for HFC quota allocation;
- Prioritizing different sectors of the KIP;
- Alternative technologies/good practices to phase down HFC in priority sectors for Stage I;
- Energy Efficiency policies and programming;
- Recovery, Recycling, and Reclamation of refrigerants;
- Gender mainstreaming.

2. OBJECTIVES AND EXPECTED OUTCOMES:

OBJECTIVES:

- Encourage regional and national regulatory frameworks related to KIP be in alignment with the national plans and policies in various aspects and sectors of KIP;
- Promote the alternative and latest technologies to fight climate change, benefits, energy efficiency and associated safety issues in various sectors;
- Disseminate best practices using case studies and examples from UNIDO's experiences;
- Capacity building of national officials;
- Advocate and create awareness on the latest technologies available and associated benefits;
- To make the participants aware of the focus of the UN agencies and international community on environment and climate change (UNSG's summit, COP28, SDG meeting, etc.).

EXPECTED OUTCOMES:

- To enable the participants to have a better understanding on the KIP and its requirements;
- To make the participants aware of the focus of the UN agencies and international community on environment and climate change (UNSG's summit, COP28, SDG meeting, etc.);
- To create awareness on the priorities of the MLF and the potential funding opportunities;
- To build national and regional capacities and strengthen institutional capacities.

3. DATES AND VENUE:

The event will be held in Vienna from 14-16 June 2023.

During the workshop, participants will meet at the Vienna International Centre to learn, share and discuss KIP thematic areas.

On 16th June, during the afternoon session, a site visit to the training facilities at the Austrian Association for Refrigeration Technologies (*Österreichische Gesellschaft der Kältetechnik – OeGKT*) is offered as an optional activity to learn firsthand on the safe handling and technical training for low GWP refrigerants.

OeGKT training facility is located in Mödling, 30 km outside Vienna and a coach will take participants to the site and bring back to the Vienna International Centre.

PARTICIPANTS:

- National Ozone officers;
- Technical experts;
- Technical experts from private sectors;
- Other stakeholders.

Venue: Vienna international Center

Plenaries at the Conference Room 3 – CR3. The CR3 is located in the C building, 7th floor.

Breakout rooms C0727, C0729, C0731, C0733, C0735, all located next to CR3.

Coffee breaks are planned at C building – floor to be confirmed.

4. AGENDA:

DAY 1 14 June 2023		
Time	Activity	Speaker
08:00-09:00	Registration of Participants	
Session 1 Opening Moderator: Elena Miceva		
09:00-09:15	Welcome address	Video message (pre-recorded) Gerd Müller Director General, UNIDO Ciyong Zou Deputy to the Director General and Managing Director, Directorate of Technical Cooperation and Sustainable Industrial Development, UNIDO
09:15-09:45	Opening remarks	Gerald Mutisya Programme Officer, Ozone Secretariat
09:45-10:15	Introduction and scene setting for KIPs	Alejandro Ramirez-Pabon Senior Programme Management Officer, Multilateral Fund for the Implementation of the Montreal Protocol Secretariat (MLFS)
10:15-10:45	The journey to Kigali	Ole Nielsen Chief, Montreal Protocol Unit, UNIDO
10:45-11:00	Group Photo and Coffee Break	

<p style="text-align: center;">Session 2</p> <p style="text-align: center;">Quota allocation: instruments and country experience</p> <p style="text-align: center;">Moderator: Natasha Kochova</p>		
11:00-12:00	Quota allocation – instruments and country experiences	<p>Arno Kaschl Policy Officer, Directorate General Climate Action, European Commission</p> <hr/> <p>Peder Gabrielsen Project Manager - F-gases and ozone reporting, European Environment Agency</p> <hr/> <p>Ecem Bahçelioğlu Ersoy Project Expert, National Ozone Unit, Ministry of Environment, Urbanization and Climate Change, Republic of Türkiye</p> <hr/> <p>Tatjana Boljevic Senior Advisor, National Ozone Unit, Environmental Protection Agency, Montenegro</p>
12:00-12:30	Q&A, Discussion	
12:30-14:00	Lunch	
<p style="text-align: center;">Session 3</p> <p style="text-align: center;">Prioritizing sector for Stage I: Introduction and theoretical description</p> <p style="text-align: center;">Moderator: Adnan Atwa</p>		
14:00-14:20	Prioritizing sector for Stage I of KIP	<p>Ole Nielsen Chief, Montreal Protocol Unit, UNIDO</p>
14:20-15:00	Introduction and theoretical description	<p>Bassam Elassaad Member, Technical Options Committee Refrigeration; Member, Technology and Economic Assessment Panel (TEAP) Task Force, Montreal Protocol</p>
15:00-15:30	Coffee Break	

Session 4 Breakout: Practical Prioritizing sector for Stage I Moderator: Bettina Schreck		
15:30-17:00	Group 1: French Speaking Group (Conference Room 3) Moderator: Bassam Elassaad Group 2: Spanish Speaking Group (Room:C0727) Moderator: Rodrigo Serpa Group 3: Manufacturing countries (Room:C0729) Moderator: Fukuya Iino Group 4: Non-LVC and LVC countries (Room:C0731) Moderator: Yunrui Zhou Group 5: Non-LVC and LVC countries (Room:C0733) Moderator: Bettina Schreck Group 6: Non-LVC and LVC countries (Room:C0735) Moderator: Adnan Atwa	
17:00-17:30	Findings during the group discussion	Rapporteur countries
18:30-21:00	Reception	Arcotel Kaiserwasser

DAY 2 15 June 2023		
Time	Activity	Speakers
Session 5 Panel Discussion: Commercial and Industrial Refrigeration Sector Moderator: Fukuya Iino		
09:00-09:30	Panel I: The challenges and opportunities in adopting low GWP refrigerants in the commercial and industrial refrigeration sector for Article 5 countries	Alexander Cohr Pachai , International Expert, Low GWP refrigerants
		Gratiela-Maria Tarlea Professor, Technical University of Civil Engineering, Bucharest President, Romanian General Association of Refrigeration
		Vasil Eftimov International Consultant on Montreal Protocol, UNIDO
		Marino Bassi Key Account Sr. Advisor, Commercial Appliance Business, Embraco
09:30-10:00	Q&A	

Session 6 Panel Discussion: Mobile Air Conditioning Sector Moderator: Yunrui Zhou		
10:00-10:30	Panel II: The challenges and opportunities in adopting low GWP refrigerants in the MAC sector for Article 5 countries	<p>Carloandrea Malviccino Head, CO₂ Emissions Reduction Strategies, Stellantis Automobile Corporation</p> <p>Kristen Taddonio Director, Climate Control, Institute for Governance & Sustainable Development</p> <p>Radhey Agarwal (online) Technical Advisor, Ozone Cell India</p> <p>Samuel Yana Motta R&D Engineer, Oak Ridge National Laboratory</p>
10:30-11:00	Q&A	
11:00-11:30	Coffee Break	

Session 7 Panel Discussion: Synergies with the HPMPs in Domestic Air Conditioning Sector Moderator: Ole Nielsen		
11:30-11:40	Policy/ Servicing sector	Mikheil Tushishvili Programme Officer, Montreal Protocol, UNEP
11:40-11:50	Technology/manufacturing sectors/R290	Li Xiaoyan Project Officer, Foreign Economic Cooperation Office, Ministry of Ecology and Environment, China
11:50-12:05	WB experience in KIP preparation	World Bank (Video recording)
12:05-12:20	Leapfrogging from ODS to low-GWP in domestic air conditioning sector	Philipp Denzinger Project Manager Proklima International Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
12:20-12:30	Q&A	
12:30-14:00	Lunch	

<p style="text-align: center;">Session 8</p> <p style="text-align: center;">Recovery, Recycling, and Reclamation and proper end-of-life disposal of refrigerants</p> <p style="text-align: center;">Moderator: Rodrigo Serpa</p>		
14:00-15:30	Business planning for RRR centers	Georg Bitarichvili COB, Co-founder, EcoScandic, Finland
	Lessons learned from a successful RRR operation in Poland	Krzysztof Grzegorzczuk RRR Expert, President of the Board Prozon, the Foundation for climate protection, Poland
	Somewhere between Policy and Perfection -Tales from the front line of refrigerant reclaim in the Middle East	Dustin Cherniawski Director, Enviroserve, Dubai
	Destruction	Maja Schmauser Advisor, Division Climate Change, Environment, Infrastructure Proklima International
	Handling and disposal of end-of-life ODSs and HFCs	Alan Bastida Expert in Road Map for Kigali Amendment, UNIDO
15:30-16:00	Q&A	
16:00-16:20	Coffee Break	

Session 9 Gender Mainstreaming in the MP portfolio Moderator: Riccardo Savigliano		
16:20-16:35	Gender Mainstreaming in the MP portfolio	Cecilia Ugaz Estrada Director, Gender Equality and Empowerment of Women Unit, UNIDO
16:35-16:50	Gender Mainstreaming - practical case from an article 5 country	Sergio Merino National Ozone Officer, Mexico
16:50-17:15	Improved project requirements and KPIs for the systematic application of the MLF operational gender policy	Bettina Schreck Industrial Development Officer, UNIDO
17:15-17:30	Q&A	
17.30	End of Day	
18:30-21:00	Optional at participant's own cost - dinner	By teams

DAY 3 16 June 2023		
Time	Activity	Speakers
Session 10 Energy efficiency programming and policy – design thinking Moderator: Bettina Schreck		
08:30-10:00	Energy efficiency programming and policy - Design thinking introduction to prototypes	Facilitated by design thinking experts and energy sector policy makers Sarah Nisa Pohl Innovation Lab UNIDO Andrea Heins Consultant, Energy Efficiency, Former Secretary of Energy Efficiency, Argentina Hilda Cristina Mariaca Orozco Project Coordinator, District Cooling UNIDO Marco Matteini Industrial Development Officer UNIDO
10:00-10:15	Q&A, Discussion	
10:15-10:30	Coffee Break	

<p style="text-align: center;">Session 11</p> <p style="text-align: center;">Energy efficiency programming and policy – practical</p> <p style="text-align: center;">Moderator: Bettina Schreck</p>		
10:30-11:30	Energy efficiency programming and policy - Design thinking user testing	Workshop – hands on!
11:30-11:45	Findings during the group discussion	Rapporteurs
11:45-12:00	Workshop closing and farewell	<p>Stephan Sicars Director, Division of Circular Economy and Environmental Protection, UNIDO</p> <p>Natasha Kochova Project Coordinator, Montreal Protocol Unit, UNIDO</p>
12:00-12:45	Lunch	
<p style="text-align: center;">Session 12</p> <p style="text-align: center;">Site visit to OeGKT</p>		
12:45-13:00	Meet at VIC bus stop (on Wagramer Strasse)	
13:00-14:00	Bus journey Vienna-Mödling	
14:00-16:00	Site visit to Higher Education Training Centre in Mödling – Practical demonstration on climate friendly technologies, including flammability	<p>Andreas Klaudus & Harald Eros Austrian Association for Refrigeration Technologies</p>
16:00-17:00	Bus journey Mödling- Vienna	
<p style="text-align: center;">End of Workshop</p>		