

Accelerating Life Cycle Refrigerant Management as Global Efforts

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■ **Sharing essential knowledge on life cycle management**

The IFL focuses on sharing knowledge such as policy, institutions, technology, MRV method, etc. that are useful of fluorocarbons, that are essential for life cycle management.

■ **Untapping mitigation potentials by international cooperation**

The IFL has supported developing countries in increasing capacity to introduce life cycle management, contributing additional mitigation of ODS and GHG emissions, through bilateral and multilateral cooperation,

■ **Promoting collaboration and harnessing an ecosystem of partners**

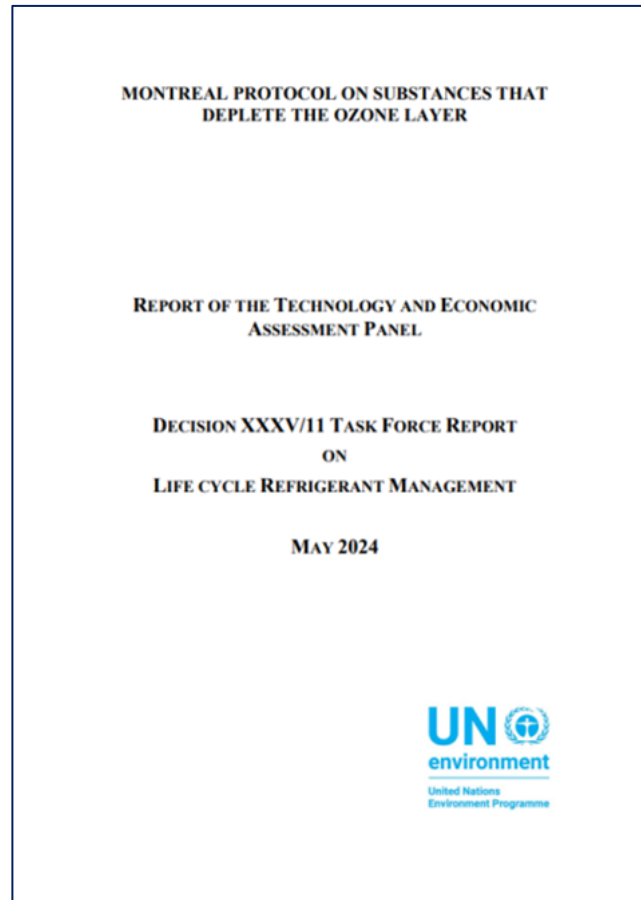
The IFL promoted collaboration among partners and harnessing an ecosystem of stakeholders, where they will support sustainable cooling with respective roles and capacities.



IFL's Track Record of Success

	Outreach at international fora	Cooperation for developing countries
2019	Established the IFL at COP25	
2020 ~ 2021	■ Outreach initiated at OEWG, MOP, CCAC Science Policy Dialogue, UNFCCC COP ■ MOEJ initiated the Asia Group Seminar(online)	■ MOEJ initiated support activities for Asian countries ■ MOEJ adopted HFC JCM Model Projects (Thailand & Viet Nam) ■ ADB initiated Technical Assistance Project
	Climate & Clean Air Coalition (CCAC) 2030 Strategy adopted (including Cooling Hub)	
2022 ~ 2023	■ QUAD Workshop at COP27 ■ G7 recognized the need for LRM ■ MOP35 Decision XXXV/XI LRM ■ COP28 Global Cooling Pledge ■ Asian Group Seminar 2023 in Bangkok	■ MOEJ support activities focuses on legislation & standard, HFC inventory, technical manuals etc. ■ MOEJ & CCAC joint publication on Resource Book on LRM ■ MOEJ adopted HFC JCM Model Projects (Viet Nam & Philippines)
Japan started Co-Leads the Cooling Hub		
2024	■ OEWG46 LRM Workshop ■ Asia Group Seminar on 2024 focus on MOP Decision XXXV/XI LRM, technology, policy, and finance	■ MOEJ support outputs are now available for replication ■ CCAC starts HFC tracking system development (Viet Nam)
2025 ~ 2026	■ Publication of Academic Thesis on LRM	■ MOEJ Model Project on Advanced LRM in Malayasia and Viet Nam

Discussion on Lifecycle Management at the Montreal Protocol



Report of the Technology and Economic Assessment Panel (May 2024)



Workshop on Life-Cycle Refrigerant Management (LRM)
(27 October 2024)



Increasing Climate Ambition by Adding HFC reduction



- **Global Stocktake:** NDCs with ambitious, economy-wide emission reduction targets, covering all GHGs, sectors and categories
- **Global Cooling Pledge:** Reducing cooling-related emissions by at least 68% by 2050

**As of Today
(2026)**

- **Many Developing countries Added HFC Reductions in their NDCs and BTR**

Cambodia, Dominican Republic, Ecuador, Grenada, Indonesia, Kiribati, Namibia, Nigeria, Panama, Paraguay, Philippines, Rwanda, Thailand, Viet Nam and many others.

- **Some developing countries have initiated institutionalize LRM in domestic legal efforts**

Leading cases from Viet Nam, Turkey, Singapore, and South Africa etc.

Cooperation Activities of the IFL

1. Mitigation ambition and transparency



3. Capacity development and investment support

2. Legislation and policy development



4. Outreach & awareness raising



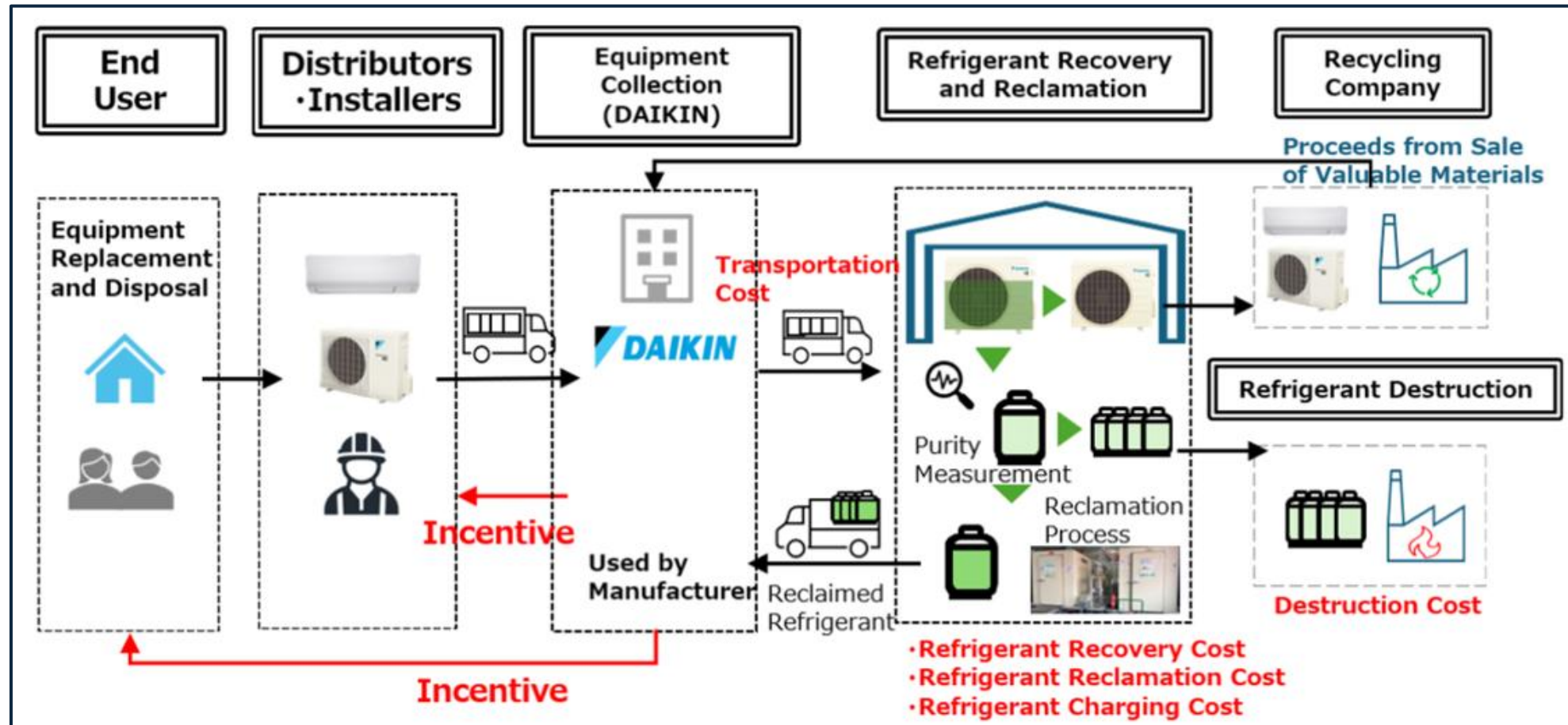
INITIATIVE ON
FLUOROCARBONS
LIFE CYCLE
MANAGEMENT

MOEJ's Support to Advanced Model Projects on Fluorocarbon Lifecycle Management in Developing Countries

Model Project: Validation for the establishment of a business model focused on the recovery and reclamation of HFCs through public-private partnership and economic incentives in Vietnam and Malaysia (Daikin Industry)

① Vietnam – Target: Recovery of refrigerants from commercial air conditioners

② Malaysia – Target: Collection of residential air conditioners and refrigerant recovery





A/C collection site in Malaysia



A/C collection site in Malaysia



Destruction facility in Vietnam



MOEJ dispatched missions to Malaysia and Viet Nam in Q1 in 2026.

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Accelerating Cooling Action in the Warming Planet :
Life Cycle Refrigerant Management as
essential effort of climate change mitigations



[i/update/urn:li:activity:7423165396452679680/](https://update/urn:li:activity:7423165396452679680/)

Academic Thesis Publication on LRM by Like-minded Experts

Harmonized approach towards Ozone & Climate Regimes

Japan's Act on Rational Use and Proper Management of Fluorocarbons

Institutionalizing LRM in Viet Nam

HFC Inventory Development in Indonesia

Refrigerant Recovery and Reclamation Facilities

Digital Tracking System for LRM (RefNext)

Cement Kiln for Destruction

High Integrity Methodology for Carbon Credits

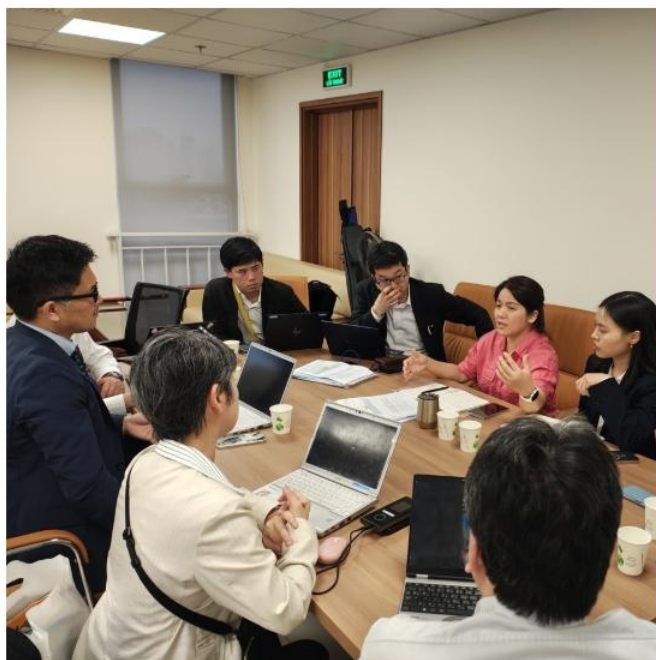


Visit our IFL Website
<https://www.ifl.go.jp/ifl-home>

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IFL

Initiative on Fluorocarbons Life Cycle Management



New! Missions to Southeast Asian countries

11-13 Feb. 2026 (Malaysia),

3-5 Mar. 2026 (Vietnam)

