



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



SUSTAINABLE DEVELOPMENT GOAL 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE

The Strategic Role of Kigali Implementation Plan in Achieving Türkiye's Compliance Pathway

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Content

- Strategy of HCFCs phase out and HFCs phase down in Türkiye
- Design of KIP in Türkiye
- Overview of KIP Stage I activities



Türkiye's Commitment on HFC Phase-Down Schedule

2024: HFC Freezes

1

- Freezing HFC consumption in 2024 at a defined baseline level.

2

2025: HCFC Phase-Out

- Establish robust HFC reporting, and licensing system.

- Complete phase-out of HCFCs by 2025
- Strengthened import licensing, quotas, and enforcement

2029: HFC Phase-Down Begins

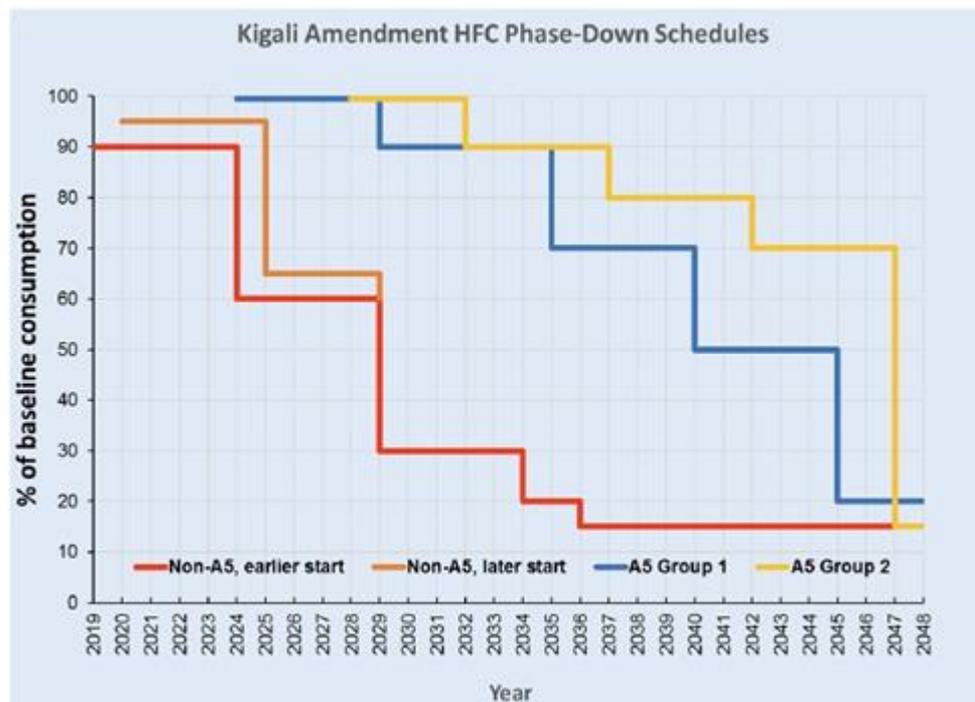
3

- Shift to low-GWP, energy-efficient cooling technologies.
- Safety standards and workforce readiness for next-generation refrigerants

4

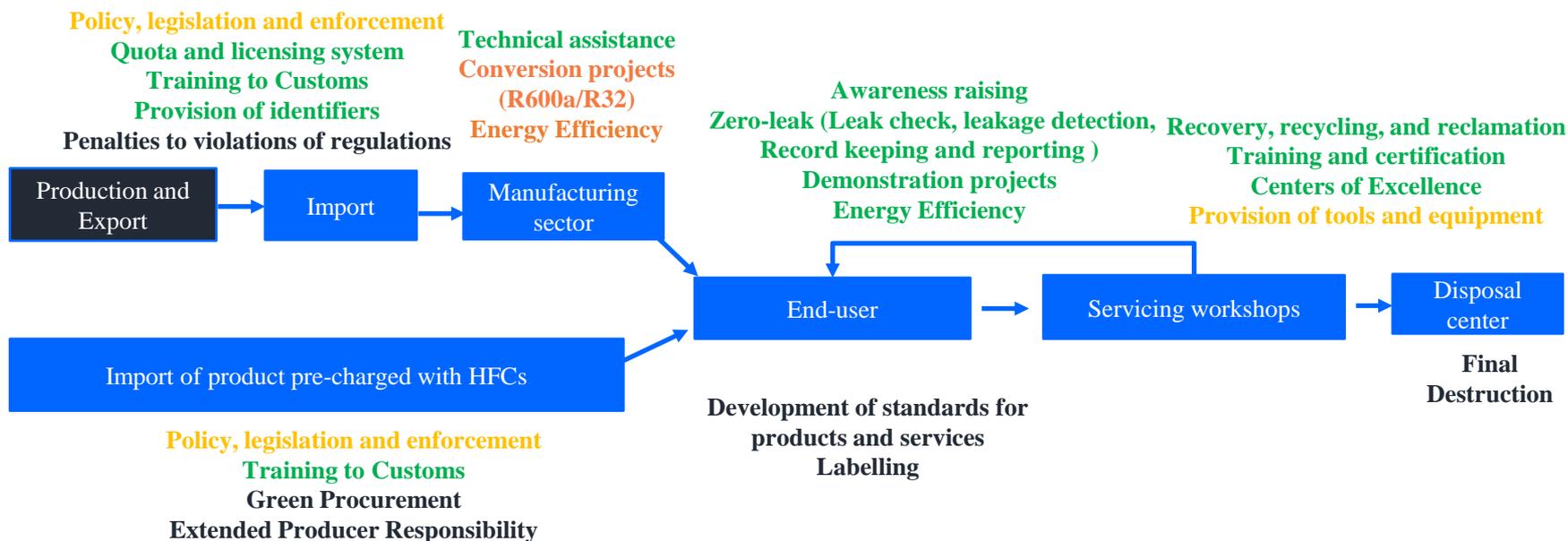
Nationally Determined Contributions

- Regional leader in sustainable cooling
- Energy efficiency and cooling strategies
- Innovative cooling solutions





Kigali Amendment HFCs phase down management Implementation Plan: Life cycle management of refrigerants





Content

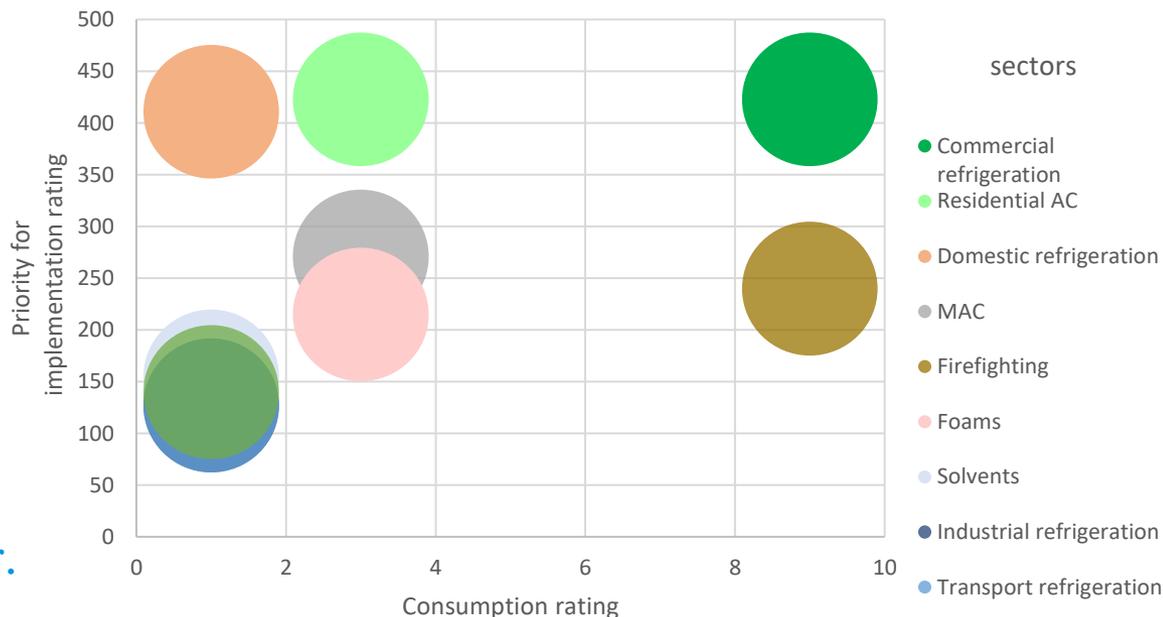
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Low hanging fruits for the first stage of the KIP

- Commercial Refrigeration
- Residential AC
- Domestic refrigeration
- Firefighting
- Refrigeration servicing sector.

Prioritization of sectors - Chart





Harmonization Strategy of KIP design

Component	Activities under HPMP	Activities under KIP stage I
1. Policy & regulations	Harmonization with F-gas, bans, HS code	Continue strengthening regulations for Kigali and F-gases
2. Capacity building of customs	Training of custom officers, supply identifiers and lab equipment	Continue capacity building efforts, supply identifiers and lab equipment
3. Capacity building of technicians	Training of 3140 technicians	Continuous training in other sub-sectors increasing number of trainees, training centers
4. Certification	Implementation of scheme	<ul style="list-style-type: none"> - Tools for technicians to help them get certified - Training of certifiers
5. Establishment of three RRR centres	Provision of tools to three centers	<p>Support operation of 3 centers with consumables and establish cylinder tracking system</p> <p>Other RRR activities</p> <ul style="list-style-type: none"> - Provision of R&R to MAC sector - Mobile recycling units for Ref sector
6. Establishment of centre of excellence		<ul style="list-style-type: none"> - Testing/training center - Didactic modules for f-gas, CO₂, and HC
7. End user projects		<ul style="list-style-type: none"> - Establishment of a testing lab
8. Sectoral projects	Technical support for foam sector and cold rooms in refrigeration	<ul style="list-style-type: none"> - CO₂ systems for food retail, HORECA (2,000 m₂ area), and food processing in commercial refrigeration - Heat pump for residential AC with HC-290 - Study tours



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KIP Stage I Activities Overview

Component 1. Regulatory framework and control mechanisms

- 1.1 Strengthening the HFC-related policy and regulatory framework (UNDP)
- 1.2 Development of a customs training programme on HFCs trade control (UNDP)

Component 2. Project addressing end users – laboratory strengthening

- 2.1 Strengthening of an accredited testing laboratory (UNDP)

Component 3. Capacity building (UNIDO)

- 3.1 Updating codes of practices covering all sectors and updating curricula for F-gas
- 3.2 Establishing centers of excellence with training modules
- 3.3 Training of 200 certifiers for certification
- 3.4 Training in preparation for certification
- 3.5 Provision of tools for 1,000 technicians
- 3.6 Support for three RRR centers established under the HPMP
- 3.7 Provision of refrigerant recovery unit tools
- 3.8 Provision of mobile recovery unit tools
- 3.9 Provision of refrigerant identifiers to customs officers

Component 4. Sectoral Projects (UNIDO)

- 4.1 Pilot project in the hotel, restaurant and catering (HORECA)
- 4.2 Pilot project in the residential AC subsector
- 4.3 Two study tours to North America, Europe, or Asia

Component 5. Activities in the firefighting sector (UNDP)

- 5.1 Development of a monitoring inventory of enterprises of HFC-based equipment

Component 6. Activities in the solvent and aerosol sectors (UNDP)

- 6.1 Demonstration and analytical comparative laboratory studies

Component 7. Sectoral Projects (UNIDO, UNDP)

- 7.1 Eight awareness-building campaigns on technician certification, RRR, centres of excellence, (UNIDO)
- 7.2 Awareness raising campaigns on regulations, energy efficiency, and climate change (UNDP)

Activities in the first tranche of stage I of the KIP for Türkiye (Jan 2025- Dec 2026)

Component 3 Capacity Building

Activity 3.1. Updating codes of practices covering all sectors and updating curricula for F-gas

Activity 3.2. Establishing a center of excellence with training modules

Activity 3.3. Training of 80 certifiers for certification

Activity 3.6. Supporting the three RRR centers with consumables and setting up a tracking software for cylinders

Activity 3.7. Provision of R&R units to the MAC sector

Activity 3.8. Provision of mobile recovery units for the refrigeration sector

Activity 3.9. Provision of identifiers





Component 4 Sectoral projects

Activity 4.1. Pilot project in commercial refrigeration sub-sector using CO2 technical assistance

Activity 4.2. Pilot project in residential AC sub-sector using HC-290 for heat pumps

Activity 4.3 Study tour for the MAC sector



Component 7 Awareness-building campaigns

Activity 7.1 Development and dissemination of material and organization of workshops





Thank you for your attention!

