



UNITED NATIONS  
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# Transition to Energy Efficient RACHP through Kigali Amendment

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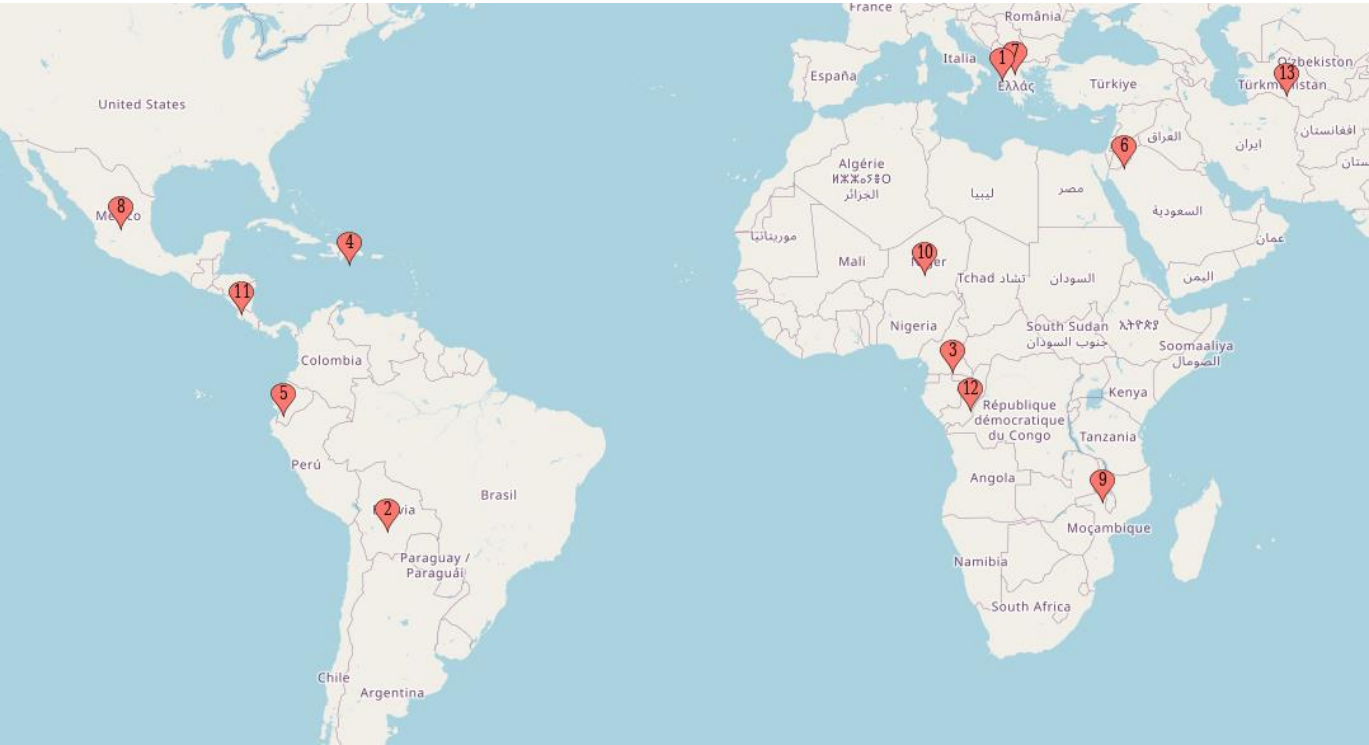
## Adoption of the Kigali Amendment to the Montreal Protocol



- ❑ 18 new controlled substances
- ❑ Compliance in CO<sub>2</sub> equivalent
- ❑ Energy efficiency



## UNIDO approved KIP Stage I



1	Albania
2	Bolivia
3	Cameroon
4	Dominican Republic
5	Ecuador
6	Jordan
7	North Macedonia
8	Mexico
9	Malawi
10	Niger
11	Nicaragua
12	Republic of Congo Congo-Brazzaville
13	Turkmenistan



## Key learnings

- ❑ KIP and HPMP activities must complement each other, not overlap;
- ❑ Consumption data reported in CP data report, A7 data report and project document must match;
- ❑ Baseline (average HFC consumption in 2020-2022 + 65% of the HCFC baseline) vs reduction targets from baseline or HFC component;
- ❑ Consumption fluctuations



# Pilot projects to maintain and/or enhance energy efficiency of replacement technologies and equipment in the context of HFC phase-down

**Funding available – US\$ 20 million**

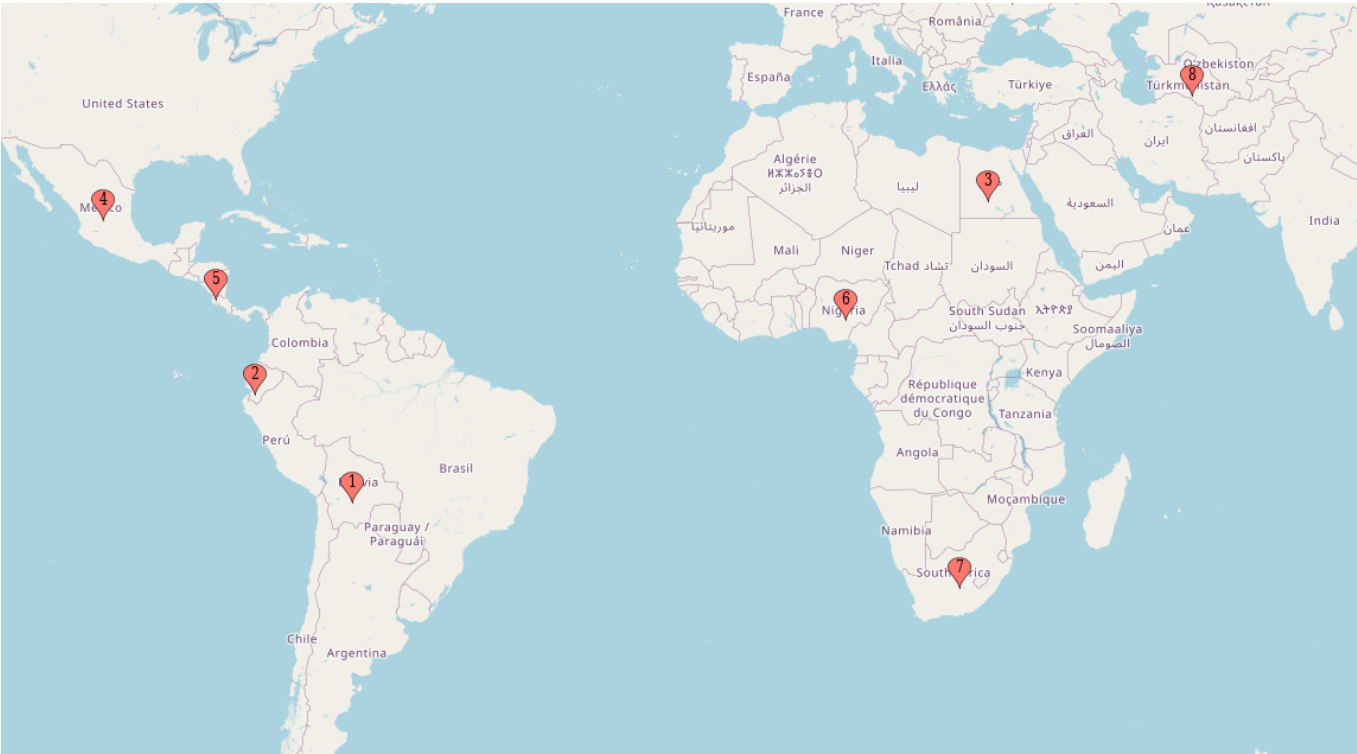
**Submission up to and including 96<sup>th</sup> meeting (June 2025)**

## **Activities:**

- Manufacturing activities – having MEPS is a pre-condition;
- Assembly and installation activities of large commercial and industrial RACHP equipment;
- Servicing activities; and
- Technical assistance for SMEs in the manufacturing and assembly/installation.



# UNIDO approved energy efficiency pilot projects



1	Bolivia
2	Ecuador
3	Egypt
4	Mexico
5	Nicaragua
6	Nigeria
7	South Africa
8	Turkmenistan



## Pilot projects to maintain and/or enhance energy efficiency of replacement technologies and equipment in the context of HFC phase-down

- NOU is responsible for coordination;**
- No duplication with other non-MLF funded projects;**
- Project information and report will be made available;**
- Maximum 36 months of implementation; and**
- Country should have or prioritize the development of MEPS.**



## Key learnings

- ❑ **Activities funded or to be funded under other projects;**
- ❑ **Clear link between HFC phase-down and energy efficiency;**
  - ❑ Capacity building with focus on energy efficiency;
  - ❑ Standards directly linked to energy efficiency;
  - ❑ Reduction of refrigerant GWP must also be linked to energy efficiency
- ❑ **Establishing of testing laboratories is not eligible;**
- ❑ **Conducting field study to identify a demonstration project for conversion from HFCs is not eligible;**
- ❑ **Pilot activities are limited in scope (retrofitting of 80 vs. 10 chillers);**
- ❑ **Equipment to be replaced must be operational and using HFCs (not HCFCs).**



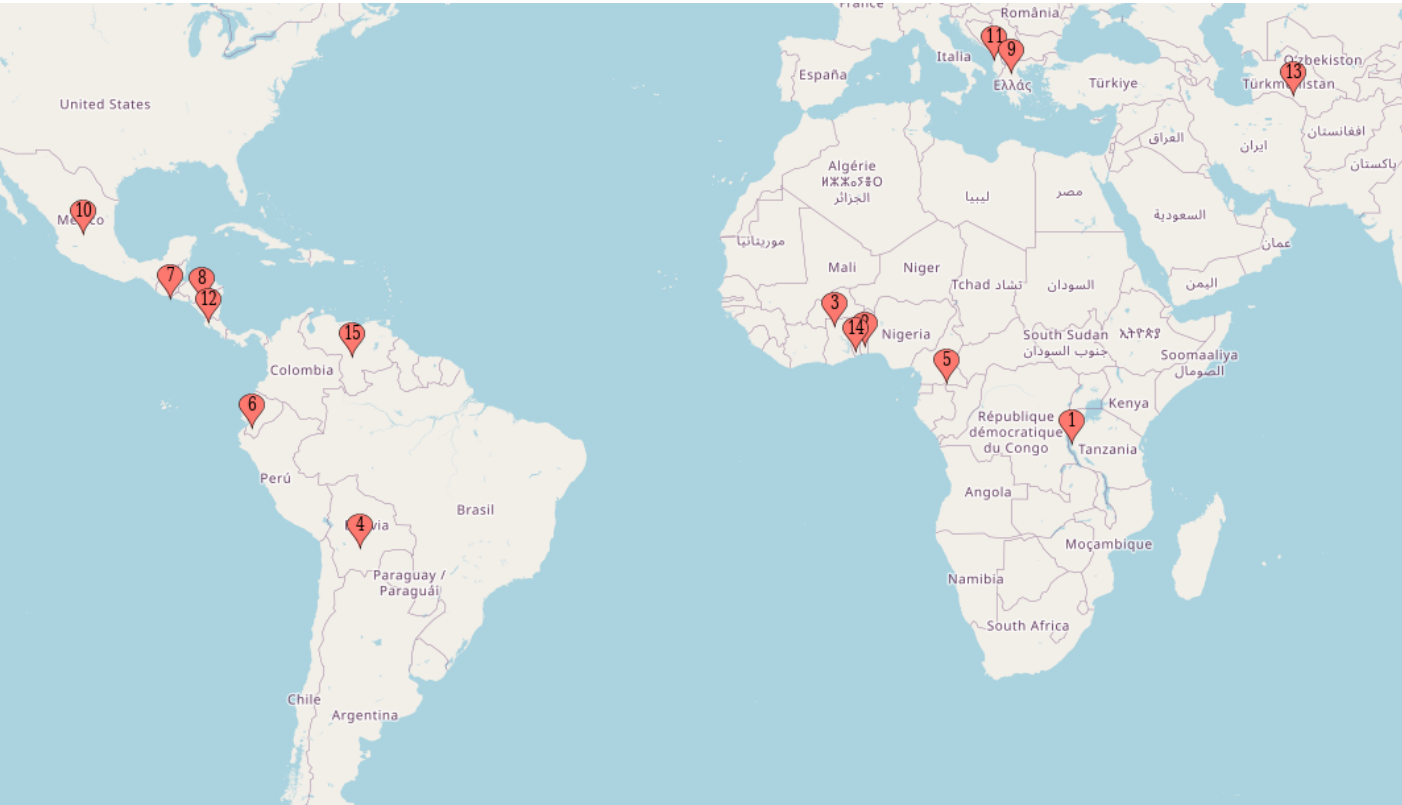


## Activities approved for funding

- Capacity building activities for technicians;
- Demonstration project in supermarket for maintaining and enhancing energy efficiency;
- Institutional support and coordination;
- Awareness raising activities;
- Upgrade of testing laboratories;
- MEPS and labelling – revision, implementation, enforcement;
- Conversion of chillers from HFCs to low-GWP based technologies.



## UNIDO approved ODS inventories



1	Burundi
2	Benin
3	Burkina Faso
4	Bolivia
5	Cameroon
6	Ecuador
7	Guatemala
8	Honduras
9	North Macedonia
10	Mexico
11	Montenegro
12	Nicaragua
13	Turkmenistan
14	Togo
15	Venezuela



# MLF funded portfolio in Türkiye

## HCFC Phase out management Plan

- Completed conversion in the PU and XPS sector;
- Completed demonstration projects (cold room, supermarket and chiller);
- Training of technicians, update of curricula and certification programme;
- Procurement, installation and commissioning of equipment for three RRR centers.

## Institutional Strengthening Project

- Update of the EKOMVET/FARAVET databases;
- Awareness raising activities;
- F-gas sectoral guidelines.

## Preparation of Kigali HFC Implementation Plan

- Data collection and analysis by national and international expert

## Preparation of ODS inventory and action plan (not yet requested for Türkiye)

## Pilot project on EE in the context of HFC phase-down (not yet requested for Türkiye)



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**Thank you for your attention!**



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