UNDP/GIZ SIDE EVENT AT THE 31st MOP – SOUND ODS/HFC WASTE MANAGEMENT AND DISPOSAL

“Panel discussion on the barriers and potential cost-effective ways to manage the ODS/HFC waste”

TECHNICAL OZONE UNIT - UTO
MINISTRY OF ENVIRONMENT AND SUSTAINABLE DEVELOPMENT
Rome - Italy, November 4th, 2019
Colombia’s experience in building the capacity to collect and destroy end-of-life ODS
POLICY FRAMEWORK FOR THE IMPLEMENTATION OF THE MONTREAL PROTOCOL

UNITED TÉCNICA OZONO
Colombia

NATIONAL DEVELOPMENT PLAN
POLICY FOR HAZARDOUS WASTE MANAGEMENT
POLICY FOR WEEE MANAGEMENT
POLICY FOR CLIMATE CHANGE
EE PLANS, LCDS AND CIRCULAR ECONOMY STRATEGY
APPROACH: LIFE CYCLE OF AN ODS/ ODS BASED EQUIPMENT

- Manufacture and maintenance of RAC equipment and other products
- Waste management
  - Prevention and reduction
  - Valorization
  - Treatment
  - Final disposal
- Manufacture/Imports
  - Extraction of raw materials
  - Production of materials and components
  - Transportation to factory
  - Manufacture of equipment and products
- Distribution – marketing
- Use
1. CFCs phase out plans and HCFCs phase out management plan, stages I and II (MLF, UNDP/GIZ).

- Training and certification of the RAC servicing sector technicians. PREVENTION AND REDUCTION OF ODS WASTE.

- R&R&R STRATEGY: recover, recycle, reclaim and reuse the refrigerant that has been used in RAC equipment in order to reduce emissions to the atmosphere and to reduce the consumption of new refrigerant: 18 collection centers in 11 cities and 5 reclaim facilities in 5 cities. VALORIZATION AND TREATMENT.
INTERNATIONAL COOPERATION PROJECTS THAT SUPPORT ACTIONS FOR ESM OF ODS BANKS/EOL ODS AND ODS-BASED EQUIPMENT

2. Demonstration project for end of Life (EOL) ODS Management/Destruction (MLF, UNDP) - Demo

- Test burns undertaken at a HTI rotary kiln at a HW facility in 3 stages - 2014 program, 2015 short program (optimize feed rates/calibrate emission monitoring systems) and 2016 program under optimized conditions.

- 2017 trials on using intact refrigerator cabinets/doors with foam directly fed to EAF (electric arc furnace used to make steel) steel making furnace.
2. Demonstration project for end of Life (EOL) ODS Management/Destruction (MLF, UNDP) - TA.

- ANDI in cooperation with eight producers and importers of refrigerators and with the support of UTO, designed a system of selective collection and environmentally sound management of EOL domestic refrigerators.
- Modification of the national regulation, to include ODS waste under the hazardous waste permitted to be destroyed in the country, in place by the end of 2018.
- Tax incentive for the replacement program of domestic refrigerators approved and operating (reduction of VAT from 19% to 5%).
- Formulation and implementation of transitional financing arrangements under climate change initiatives (NAMA project) for a domestic refrigerators replacement program being completed to cover up to 300,000 units.
INTERNATIONAL COOPERATION PROJECTS THAT SUPPORT ACTIONS FOR ESM OF ODS BANKS/EOL ODS AND ODS-BASED EQUIPMENT

3. Global Project for the management of ODS banks (IKI / GIZ)

- ODS Banks Inventory
- ROAD MAP preparation
- Capacity building for end of life management of RAC equipment
- Sustainable financing mechanism for the EPR scheme
- Capacity building for refrigerants reclamation
CONCLUSIONS

- Important advances
- Collaborative work - shared but differentiated responsibilities
- International cooperation
- Synergies
- Sustainability
- Challenges (HFC and comprehensive national framework)
THANK YOU!

¡MUCHAS GRACIAS!

Nidia Pabón Tello
UNDP Consultant - UTO
nmpabon@minambiente.gov.co
(571) 3323400, Ext. 2401