

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”



El medio ambiente
es de todos

Minambiente

TECHNICAL OZONE UNIT - UTO
MINISTRY OF ENVIRONMENT AND SUSTAINABLE DEVELOPMENT
Rome - Italy, November 4th, 2019



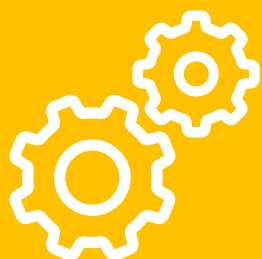
Colombia's experience in building the capacity to collect and destroy end-of-life ODS



POLICY FRAMEWORK FOR THE IMPLEMENTATION OF THE MONTREAL PROTOCOL



UNIDAD TÉCNICA OZONO
C o l o m b i a



NATIONAL
DEVELOPMENT PLAN



POLICY FOR
HAZARDOUS WASTE
MANAGEMENT



POLICY FOR WEEE
MANAGEMENT

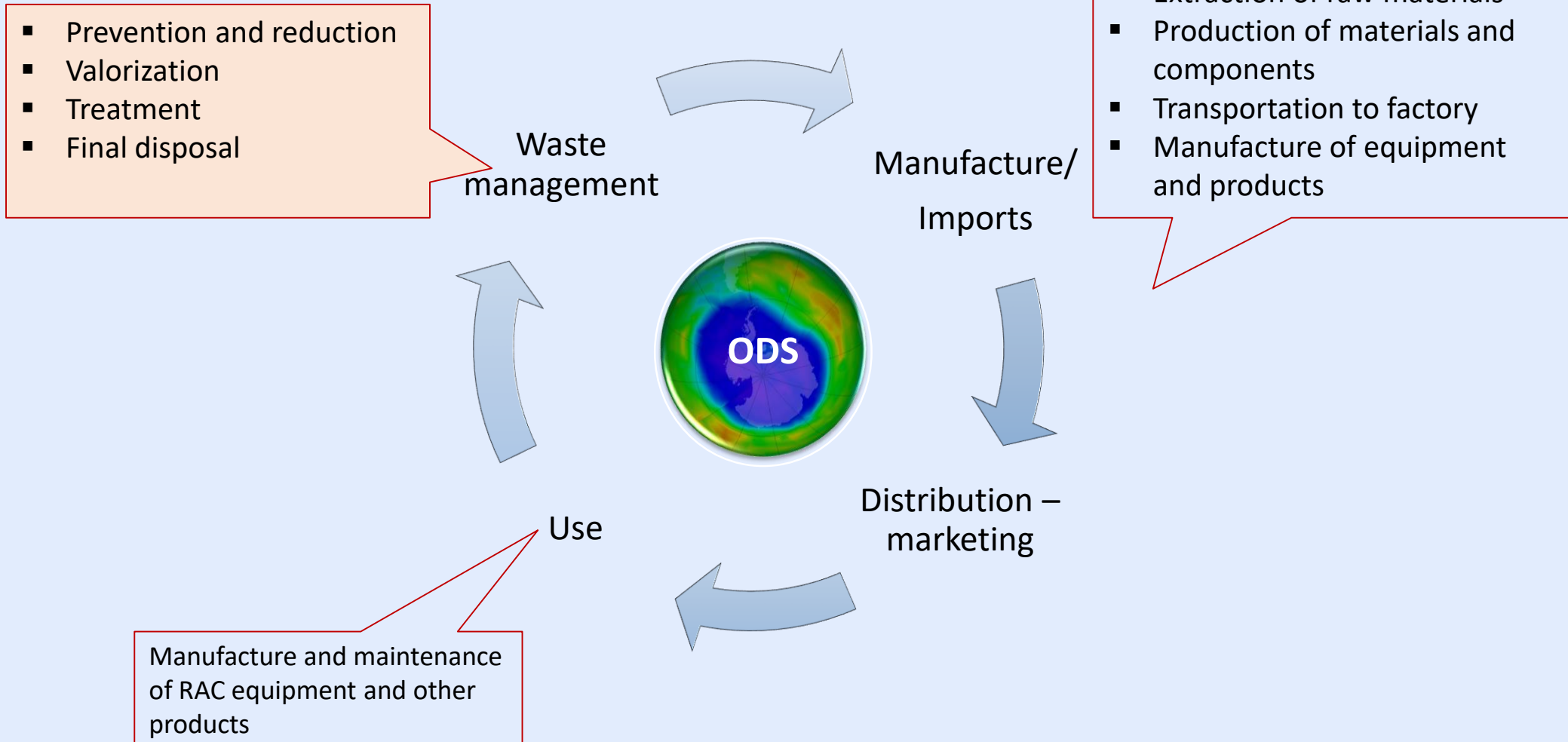


POLICY FOR CLIMATE
CHANGE



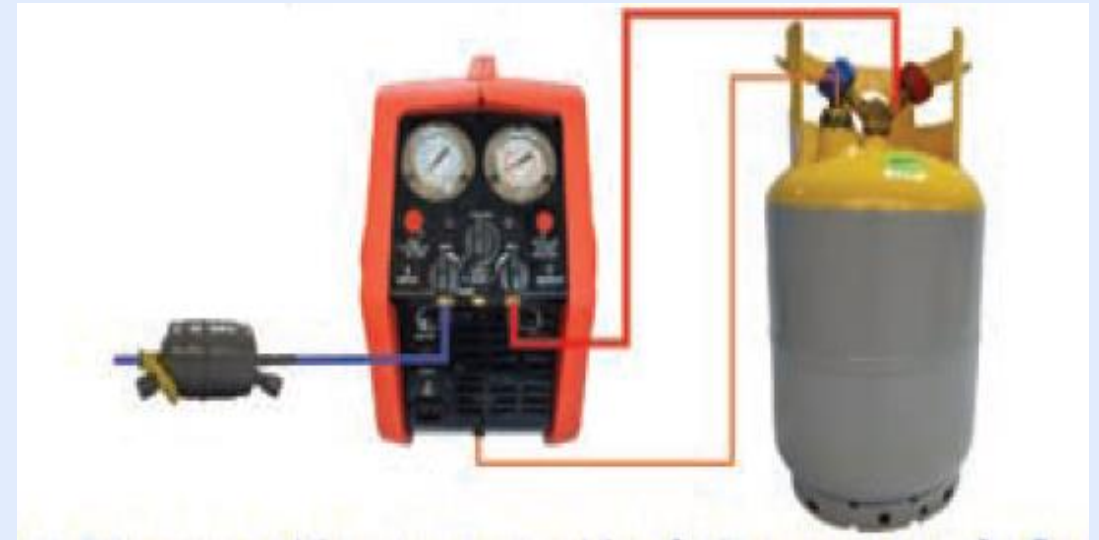
EE PLANS, LCDS AND
CIRCULAR ECONOMY
STRATEGY

APPROACH: LIFE CYCLE OF AN ODS/ ODS BASED EQUIPMENT



INTERNATIONAL COOPERATION PROJECTS THAT SUPPORT ACTIONS FOR ESM OF ODS BANKS/EOL ODS AND ODS-BASED EQUIPMENT

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.

INTERNATIONAL COOPERATION PROJECTS THAT SUPPORT ACTIONS FOR ESM OF ODS BANKS/EOL ODS AND ODS-BASED EQUIPMENT

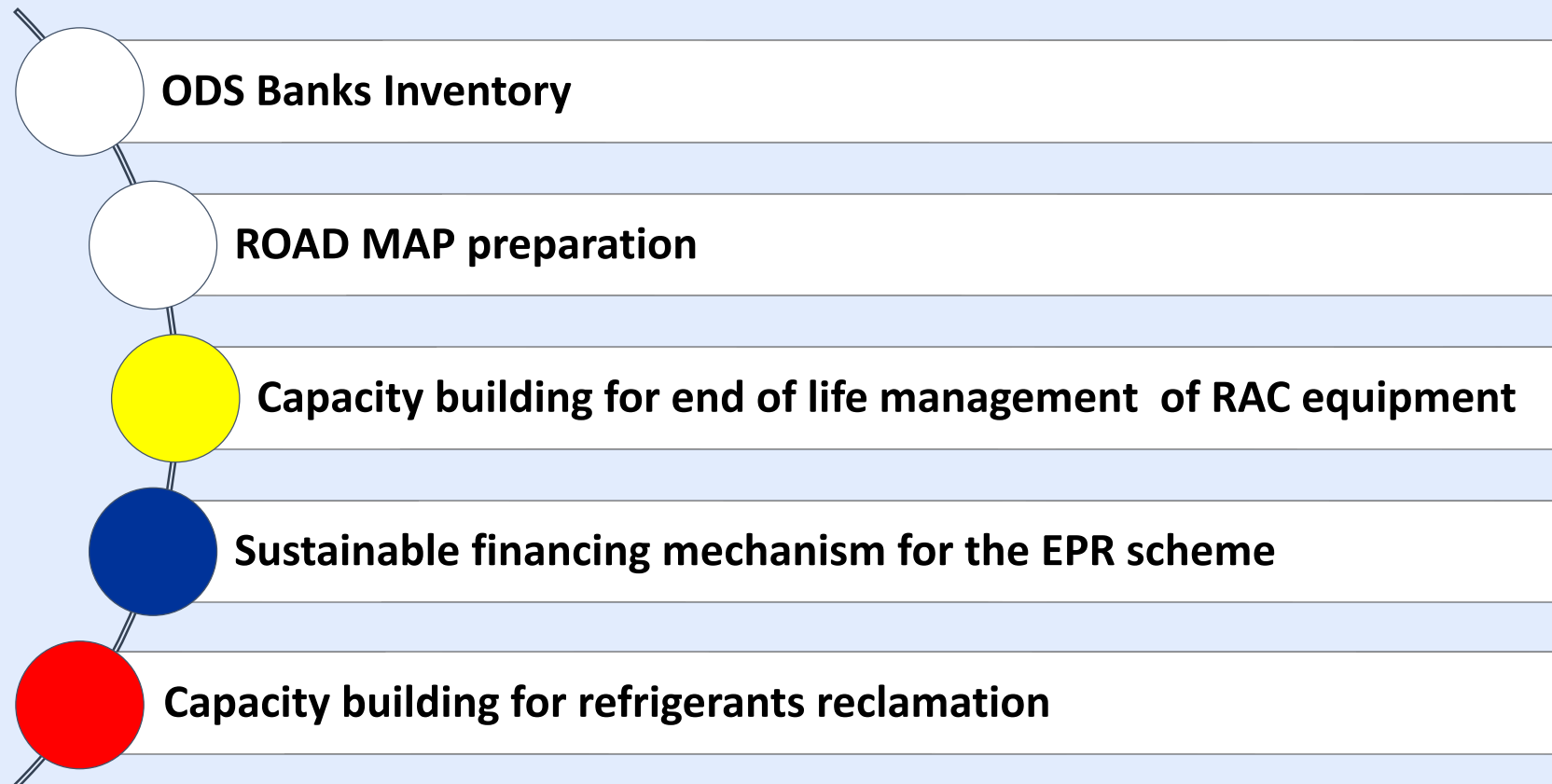


2. Demonstration project for end of Life (EOL) ODS Management/Destruction (MLF, UNDP) - TA.

- 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)



CONCLUSIONS



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

THANK YOU!

¡MUCHAS GRACIAS!



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