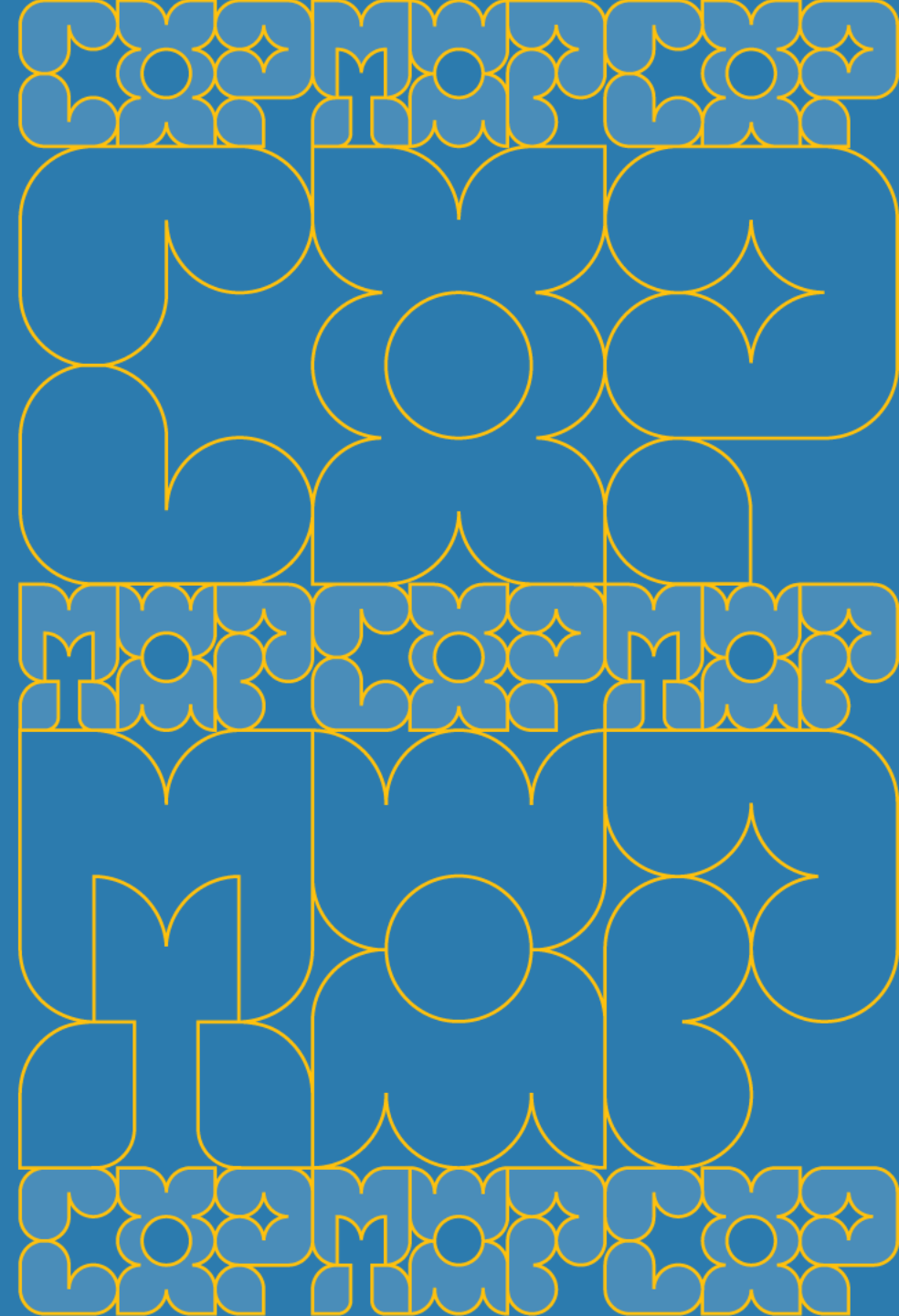


COUNTRY EXPERIENCES WITH LIFE- CYCLE REFRIGERANT MANAGEMENT

COUNTRY: **GHANA**

PAULYNN PAPPOE
NATIONAL OZONE UNIT



Overview of National LRM Framework

Ghana defined ambitious climate targets in its **NDC goals**. 19 policy actions have been developed that **includes the RAC sector** across 10 priority areas to achieve reducing GHG emissions by 64 Mt CO₂ eq by 2030

Signed onto the **Montreal Protocol** and the **Kigali Amendment** and is expected to phase out ODS by 2030 and phase-down climate harming refrigerants to 80% by 2045.

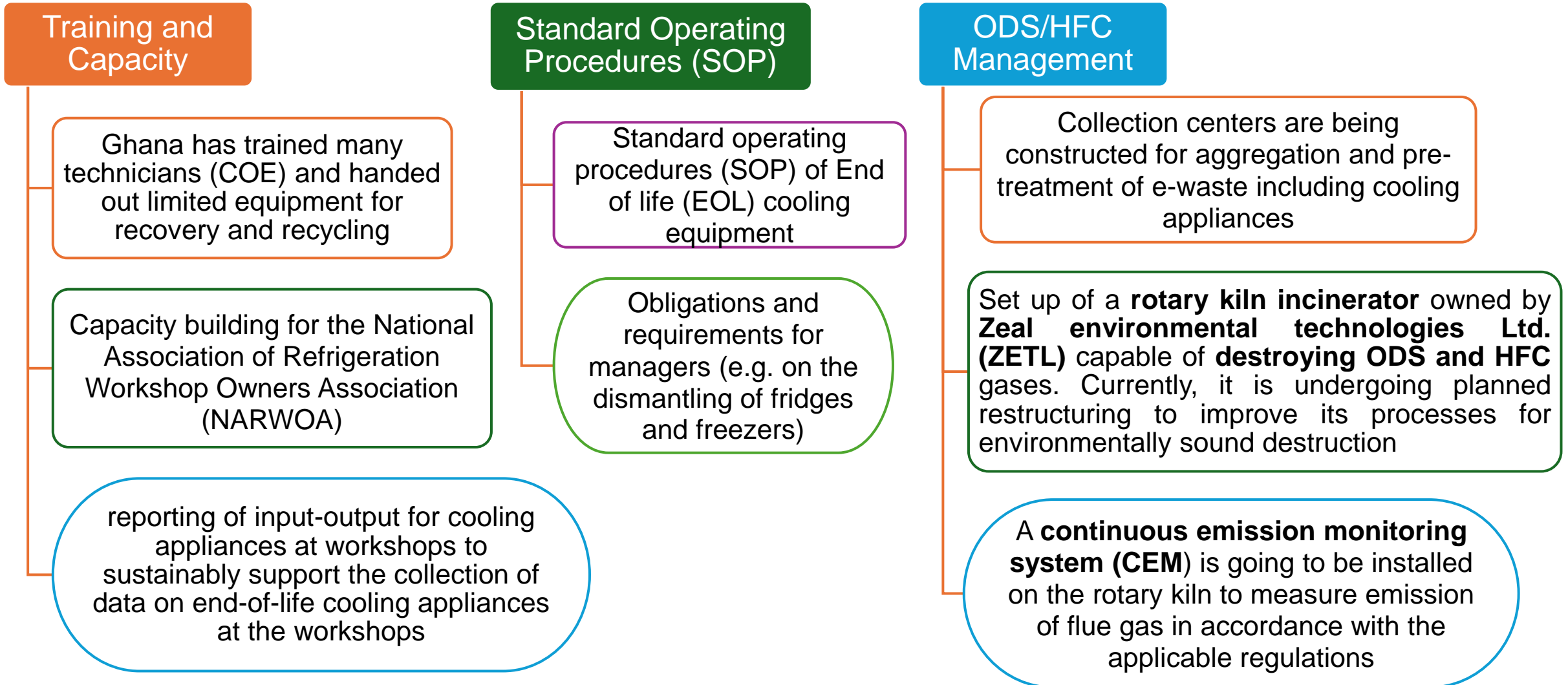
Ghana is in the preparatory phase toward implementation for the environmentally sound recycling of RAC equipment, which requires specific measures regarding the refrigerants.

- Implementation of **Act 917 (Hazardous and Electronic Waste Control Management Act, 2016)** for domestic refrigerators and air-conditioning units.
- Implementation of **L.I.2250 (take-back system** of electrical and electronical equipment, mandatory recovery and venting ban of ODS and foam blowing agent)
- Anchoring the national standard of **certification of RAC technicians in legislation** to make it mandatory (NACODS committee)
- **Standard technical guidelines** on the processing of e-waste and cooling appliances have been developed.

Implementation Experience and Key Actions



The **EPA** is currently implementing several measures for the proper collection and disposal of domestic refrigerators and air conditioners.



Results and lessons learned

- A Ghana Inventory and Technology Gap Analysis for the Refrigeration and air conditioning sector as well as Ghana Refrigeration and Air Conditioning (RAC) Roadmap were developed and an ODS Roadmap will follow soon.
- Under the World bank E-waste project, 6 Collection centers are being set up in different regions to aid collection, transport and dismantling of e waste including end of life RAC
- CEMS will be installed and functioning 01/2025
 - This allows accurate reporting and environmentally sound operation under Ghanaian law.
 - Refrigerants (ODS&HFCs), refrigerant oils, and hazardous e-waste fractions will be destroyed, this will cut emissions.
 - The CEMS is tailor made, therefore, long procurement processes caused some delays
 - Trial with foams ensured that the process required additional technical assessment to achieve complete incineration



Thank you!

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