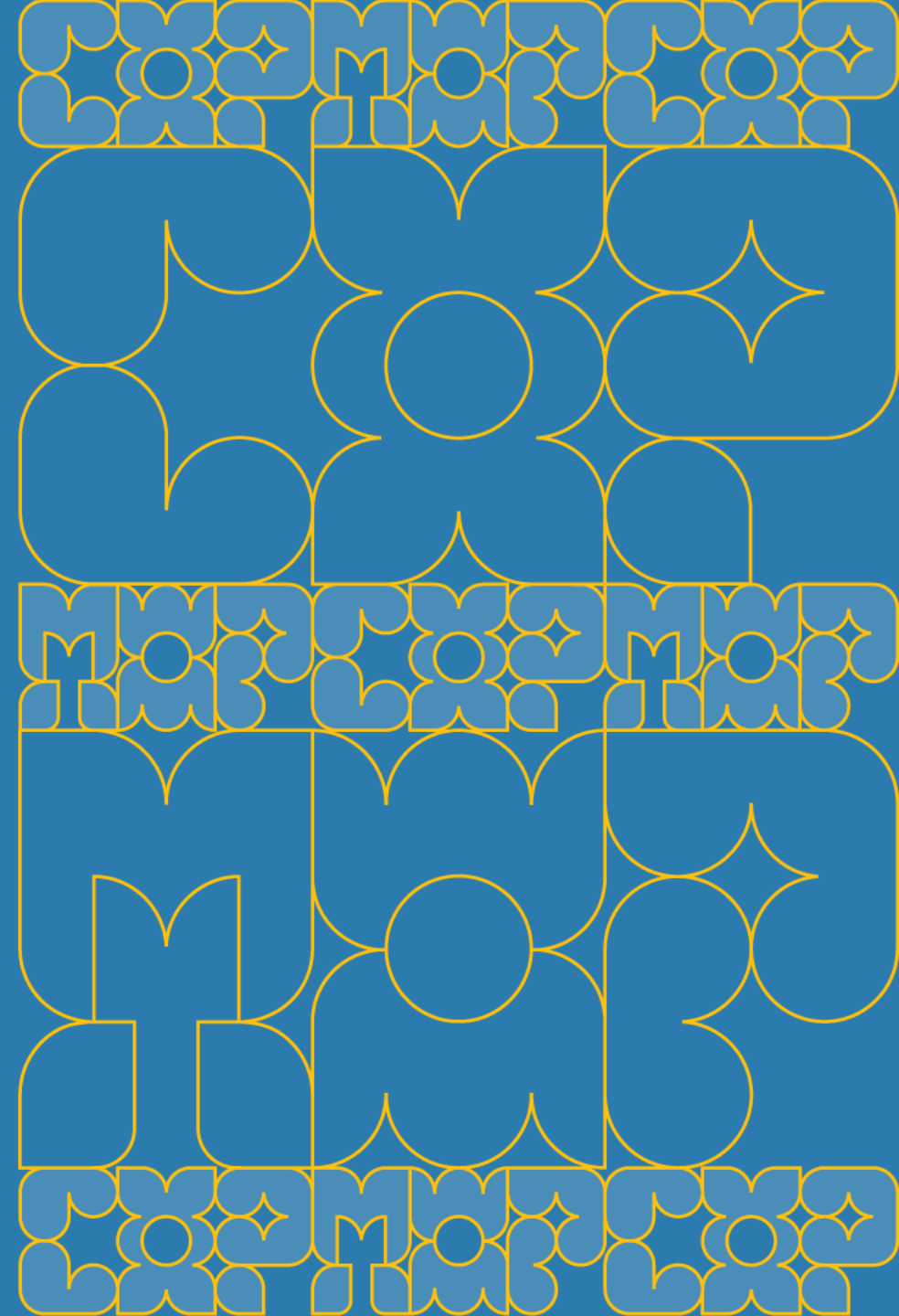
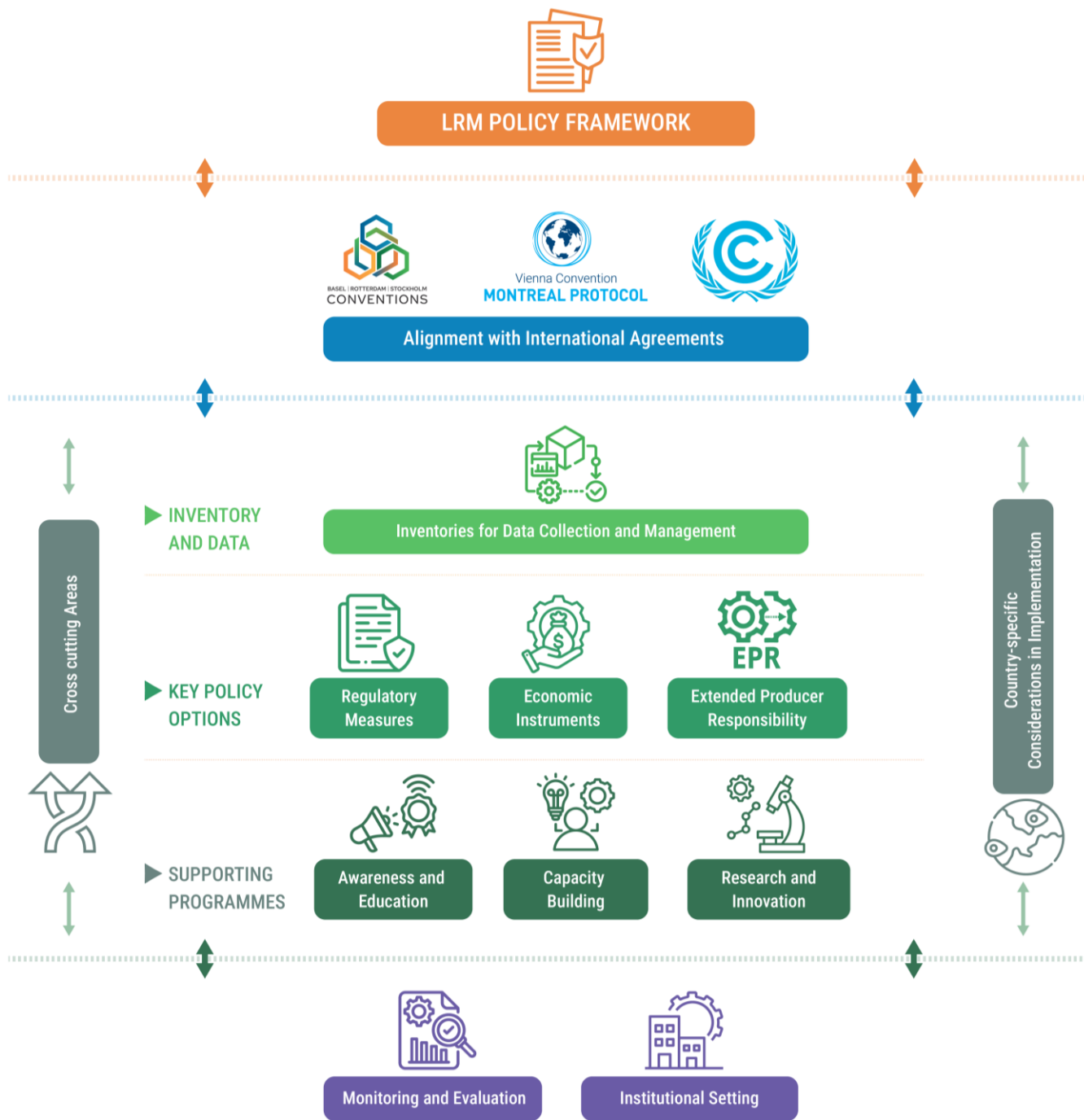


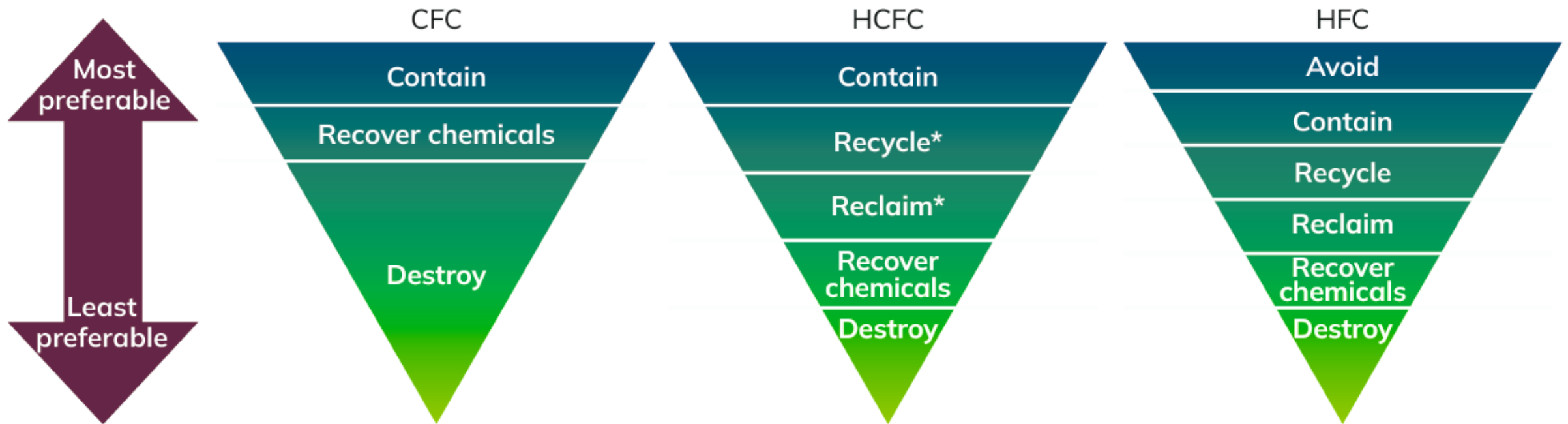
Policy options for starting and sustaining life-cycle refrigerant management implementation

Irene Papst
Senior Policy Advisor, HEAT GmbH for COPA





ODS/HFC banks management hierarchy



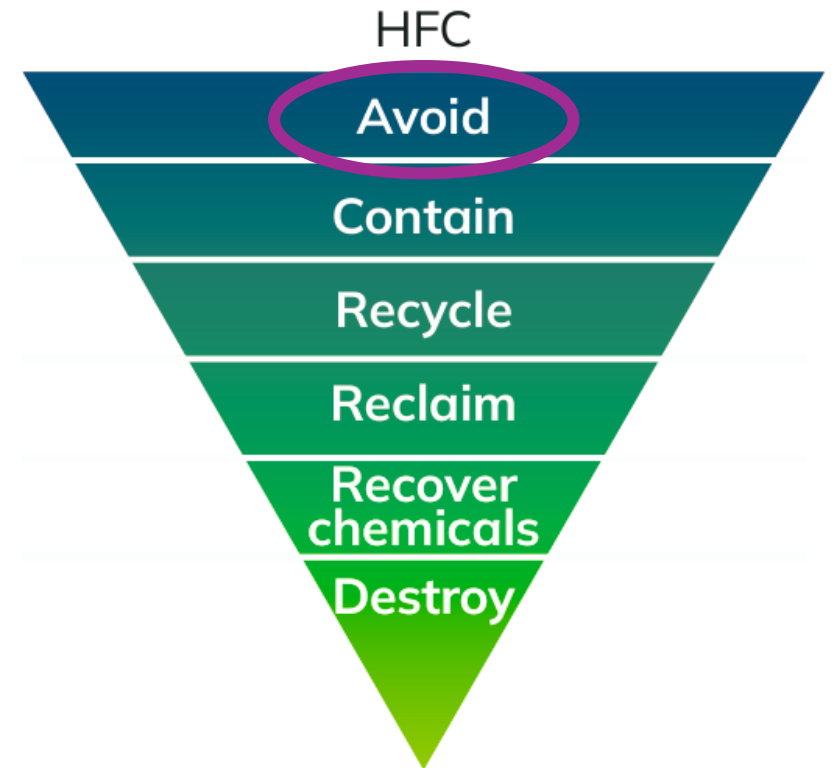
**Recycling and Reclaim of HCFCs should be subject to a cutoff date that is aligned with the phase-out of HCFCs*

Source: HEAT 2023



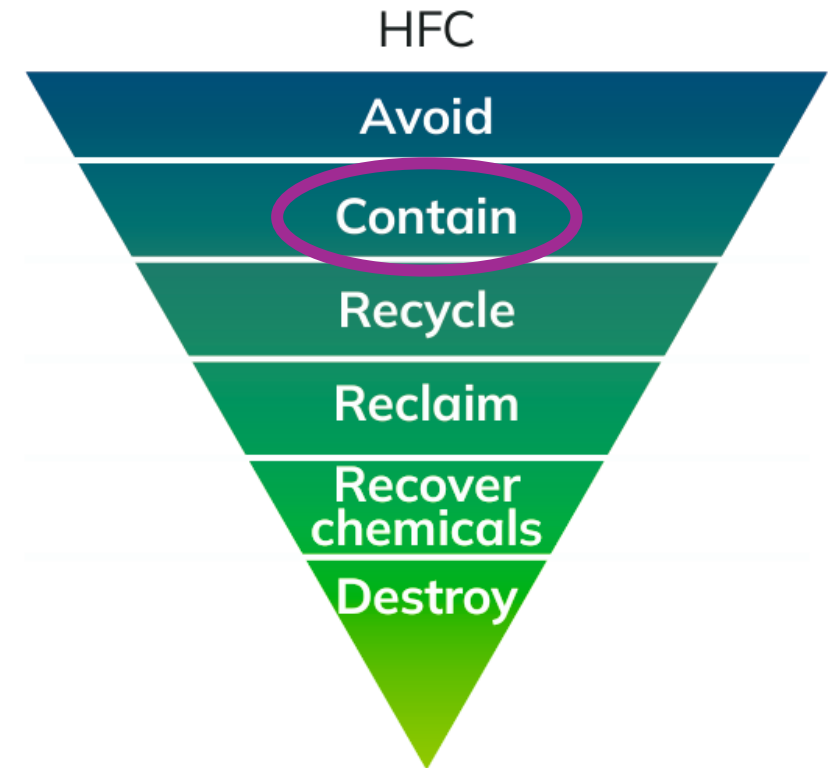
Avoid the use of fluorinated refrigerants

- Set clear market guidance by limiting the use of controlled substances with global warming potential above certain thresholds
- Set product bans where alternatives are available
- Announce timeline early
- Establish GWP-weighted import tax
- Combine refrigerant requirements with energy efficiency regulations



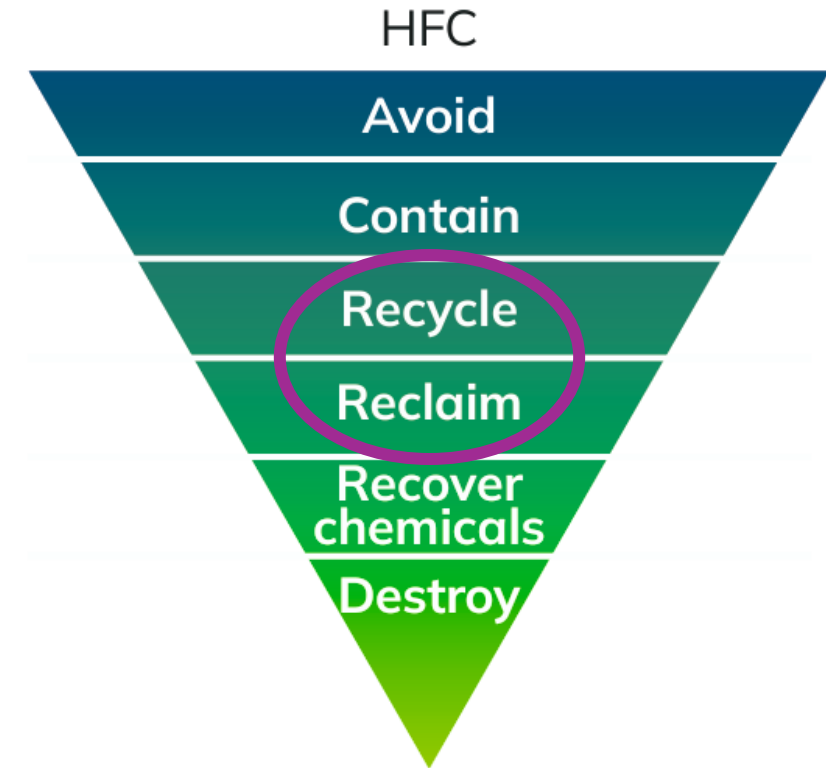
Contain refrigerants

- Venting ban
- Operator's obligation for regular inspections for system tightness: predictive and preventive maintenance
- Prompt repair of leaks
- Technician training and certification
- Only certified technicians are allowed to work on open refrigerant circuit



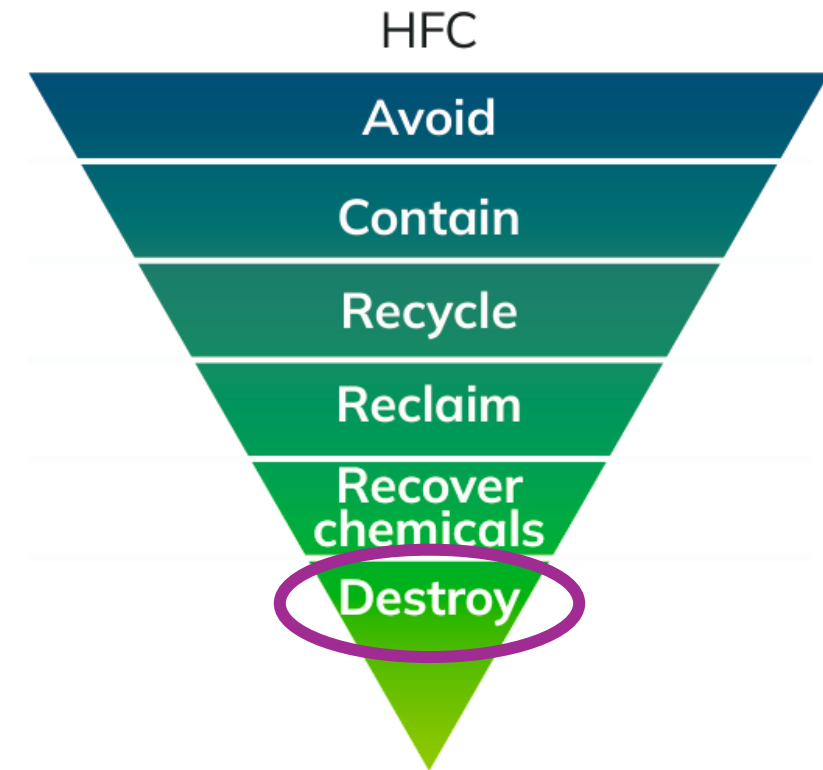
Promote recycling and reclamation

- Support economics by limiting the amount of available virgin refrigerant
- Establish reverse logistics: Obligation for distributors to take back used refrigerant
- Recovery and re-use of substances to the extent possible during servicing and decommissioning
- Standards for recycled and for reclaimed refrigerants to ensure quality and safety and to increase their market acceptance



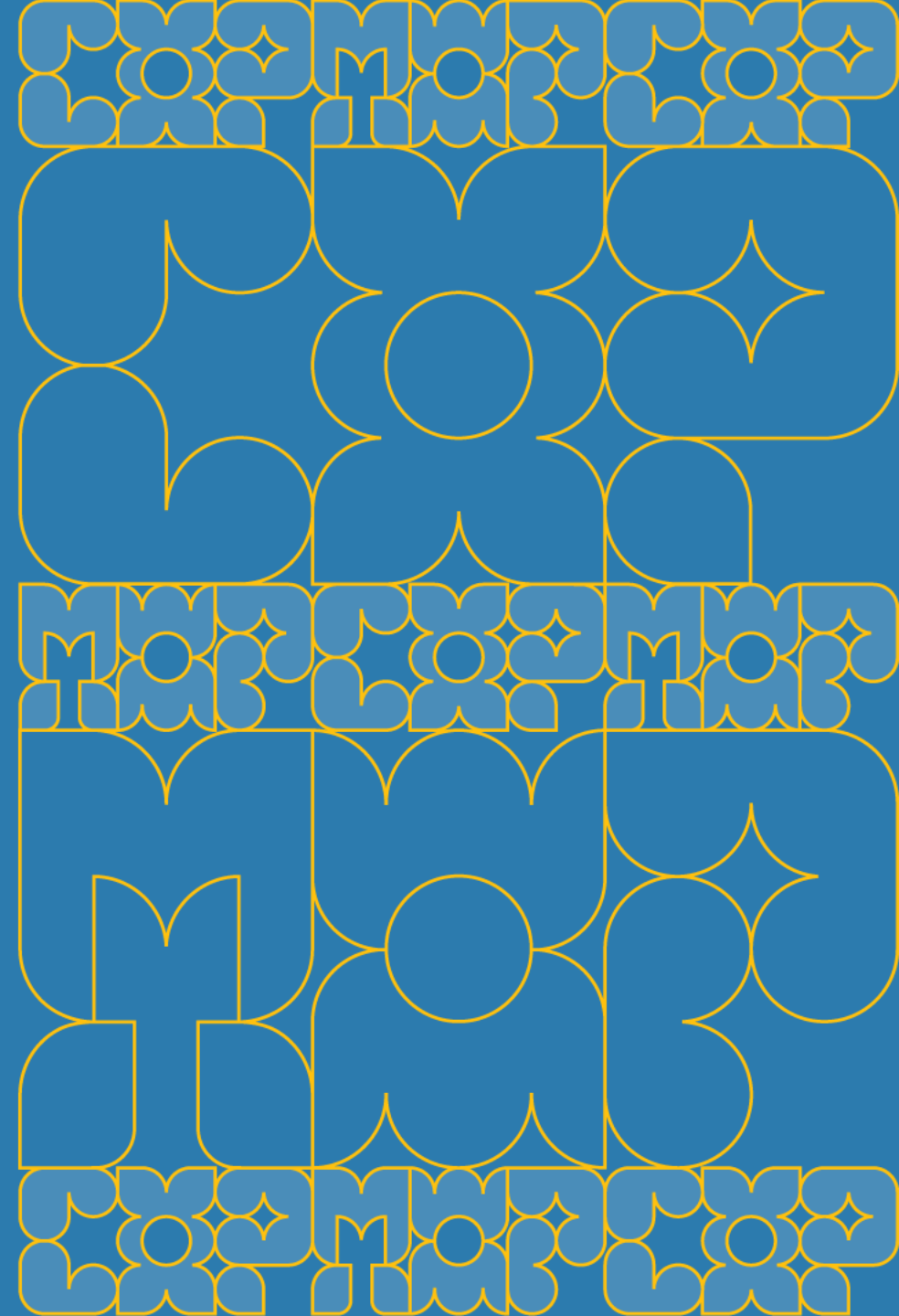
Destroy appliances and refrigerants

- Extended producer responsibility for appliances:
 - Manufacturers and importers of equipment are responsible for the entire life-cycle of appliances, including take-back, recycling, and final disposal.
- Extended producer responsibility for refrigerants:
 - Producers, importers or distributors are responsible for the entire life-cycle of substances including take-back, reclamation, and final disposal.
- Polluter pays principle: Operators of equipment need to pay for destruction of non-reusable refrigerants

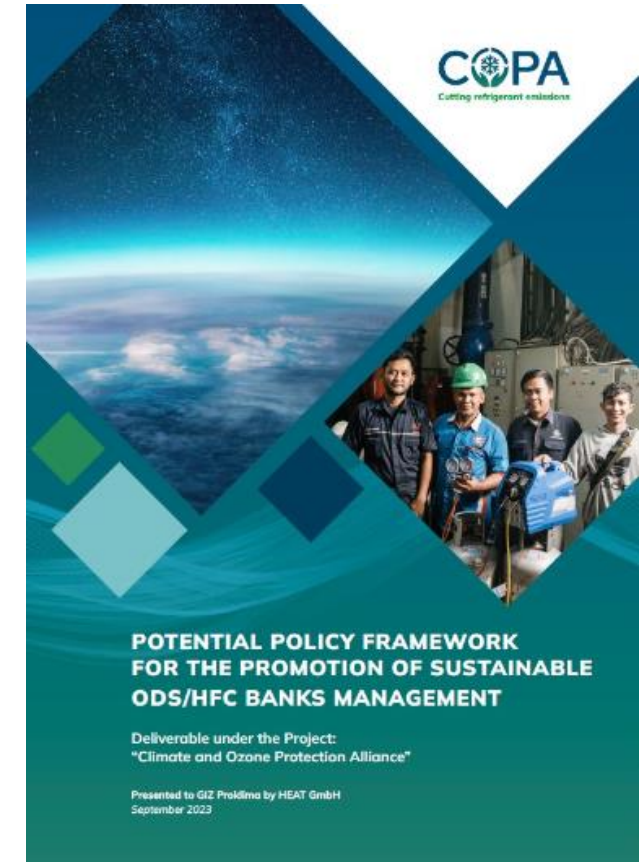


Thank you!

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COPA publication on potential policy framework for the promotion of sustainable ODS/HFC banks management (COPA, 2023)



<https://www.copalliance.org/imglib/publications/COPA%20Publication%20Policy%20Study%202023.pdf>



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