



# COPA Extraordinary Plenary Meeting

27 – 28 November 2024



A warm welcome!

## GROUND RULES FOR ONLINE SESSIONS



- Please **use headphones** or **earphones** in order to prevent echoing-effects

# AGENDA

UTC

16:00

Opening

Welcoming

Rachel Pekker, German Federal Ministry for Economic Affairs and Climate Action and Steering Committee

16:15

Looking back: Our COPA (since 2021)

COPA highlights from Steering Committee, Secretariat, and members  
*Interactive session*

17:00

Looking ahead: Our future COPA (from 2025)

The new framework of COPA and its Secretariat

COPA Secretariat

17:15

COPA's future activities

COPA new online course: Leveraging carbon markets and Article 6 for refrigerant management

Ayse Frey & Jorge Lujan, Energy Changes

COPA – get ready with me for Article 6

Malin Emmerich, GIZ Proklima

Helpdesk for Electronic Logbooks

Ellen Michel, GIZ Proklima

MLF funding window for ODS activities

Tizian Pfeiffer, GIZ Proklima

*Q & A*

18:00

Closing remarks



Let's do some warm-up!





German Federal Ministry for Economic Affairs and  
Climate Action and Steering Committee  
Rachel Pekker



Looking back: Our COPA (since 2021)  
Highlights

## PERSONAL COPA HIGHLIGHTS MEMBER CONTRIBUTIONS

<https://youtu.be/u3Rx9yM4HHk>







The floor is yours:  
Tell us your COPA highlight!



**Smile, everyone!**



Looking ahead: Our future COPA (from 2025)



The new framework  
Ellen Michel, Head of COPA Secretariat

**Member  
driven  
coalition of  
organisations  
and countries**

**New Steering Committee to  
be elected in Summer 2025**

**2025 &**

**Secretariat  
supported  
by UNDP &  
UNIDO**

**Topics**

**beyond**

**Working  
Groups**

**Initiatives**

**Funding**



**Thematic Working Groups  
& Coordinators**

**Policy  
Framework**

**2025 &**

**Implementation  
Models**

**Technology  
Solutions**

**beyond**

**Financing  
Mechanism**



**COPA's future activities**  
Pitches by members



KOMMUNAL  
KREDIT  
PUBLIC CONSULTING

27 November 2024

# COPA new online course: Leveraging carbon markets and Article 6 for refrigerant management

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**Ayse Frey and Jorge Lujan**  
Ayse.Frey@energy-changes.com  
Jorge.Lujan@energy-changes.com



## COPA Carbon Markets and Refrigerants Course

# A course for addressing refrigerant banks

### Target audience:

- **National Ozone Unit officials and government officials involved in refrigerant management** (primary focus)
  - o Existing knowledge of refrigerant gases (medium-high level), limited knowledge of carbon market mechanisms
- **Refrigerants stakeholders in COPA member countries and other Article 5 countries** (second primary focus)
  - o Existing knowledge of refrigerant gases (varying levels), limited knowledge of carbon market mechanisms
- **Other government officials** (additional audience, non-primary)
  - o Different levels of knowledge of both refrigerant gases and carbon market mechanisms

# Module content and structure

Module title	Short summary
Module 1: <b>Carbon market basics: Article 6 and voluntary carbon markets</b>	<ul style="list-style-type: none"> <li>- Basic introduction to carbon markets, general concept of crediting emissions reductions, and market functioning</li> <li>- Necessary definitions and introductions to concepts, e.g. methodologies, carbon standards</li> <li>- Article 6 introduction</li> <li>- VCM</li> </ul>
Module 2: <b>How can carbon credits address refrigerant banks?</b>	<ul style="list-style-type: none"> <li>- Exploring the supply chain of fluorocarbons/refrigerants and the different project types</li> <li>- Introductory module to the concepts of addressing refrigerant emissions through carbon finance</li> </ul>
Module 3: <b>Readiness check – participating in Article 6 and voluntary carbon markets?</b>	<ul style="list-style-type: none"> <li>- Exploring the participation requirements for Article 6, such as NDC and refrigerant/fluorocarbon inventory</li> <li>- Accounting of fluorocarbons under Article 6</li> </ul>
Module 4: <b>The refrigerant &amp; refrigerant carbon project development cycle</b>	<ul style="list-style-type: none"> <li>- Overview of the carbon project development cycle from the perspective of a refrigerant project</li> </ul>
Module 5: <b>Environmental integrity in refrigerant projects</b>	<ul style="list-style-type: none"> <li>- Discussion and details about the key points of environmental integrity in refrigerant projects, e.g. perverse incentives, permanence, conservative baselines, additionality</li> </ul>
Module 6: <b>Case studies and refrigerant project design</b>	<ul style="list-style-type: none"> <li>- Introduction to refrigerant carbon project design</li> <li>- Project design features, e.g. training of technicians, collection systems, destruction facilities</li> </ul>



## COPA Carbon Markets and Refrigerants Course

# A course for addressing refrigerant banks

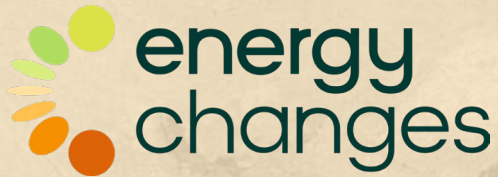
### **Other content:**

- ❖ Interactive activities
- ❖ Videos
- ❖ External reports, documents, and guides
- ❖ Guided overview of the carbon development cycle
- ❖ Importance of environmental integrity

**COPA Carbon Markets and Refrigerants Course**

# A course for addressing refrigerant banks

**Technical developers:**



[energy-changes.com](https://energy-changes.com)



[publicconsulting.at](https://publicconsulting.at)



**Thank you**  
for your attention!

Contact Us

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COPA – get ready with me (GRWM) for Article 6  
Malin Emmerich, COPA Secretariat

## COPA – GRWM FOR ARTICLE 6 – WHERE TO START?

- ✓ COPA Online course on Article 6
- ✓ **Article:** COPA article on carbon markets in Carbon Mechanism Review

### COPA Online sessions:

- ✓ Eligibility of ODS/HFC destruction or reclamation projects under Article 6 of the Paris Agreement
- ✓ COPA 101 Series – Carbon Market Introduction
- ✓ Webinar on Financing Refrigerant Management – including Article 6 of the Paris Agreement





## COPA – GRWM FOR ARTICLE 6

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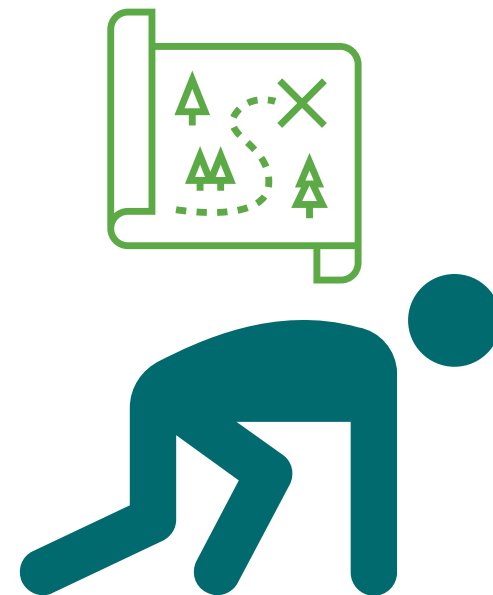
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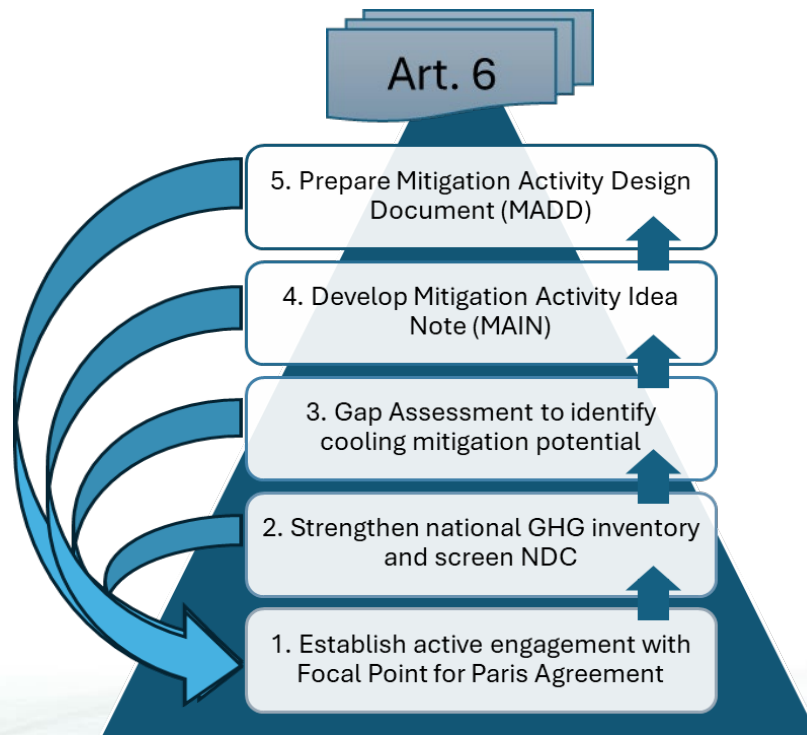


## COPA – GRWM FOR ARTICLE 6 – IN 5 STEPS

- ✓ NEW: COPA Guide for countries in Dec. 2024 by UNDP
- ✓ 5 steps for developing cooling mitigation project for Art. 6
- ✓ Starting point
- ✓ Guidance for the NOO / NOU perspective
- ✓ Real Case support by Mathatela Ntsatsi, Lesotho



## COPA – GRWM FOR ARTICLE 6 – IN 5 STEPS



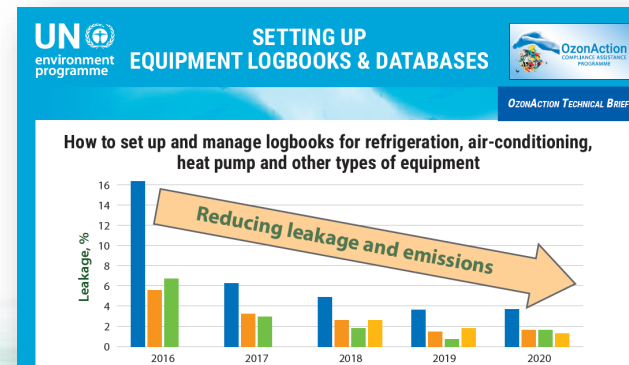


**Helpdesk for Electronic Logbooks**  
Ellen Michel, Head of COPA Secretariat



## Conceptual idea – *Helpdesk for Electronic Logbooks (HELo)*

- Equipment logbooks (digital) are highly effective for climate mitigation of refrigerants (UNEP)
- Critical tool for reducing leakage and lowering direct and indirect emissions
- Support effective policy making
- *However, not all regions have access to the resources or skillsets to implement*



## HELo Objective

To accelerate the uptake of electronic equipment logbooks across RAC systems globally.

**By providing easy access to best-practice resources, skilled ICT personnel and ready-to-go technology.**

### Leak rates

12%

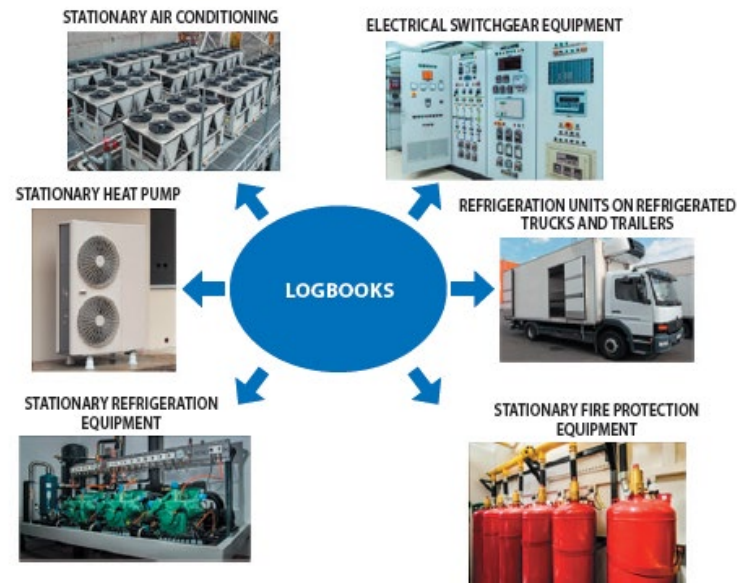


3%

- ✓ Reduce direct emissions from lower leak rates
- ✓ Reduce energy use and indirect emissions
- ✓ Reduce operational costs for equipment owners
- ✓ Improve technician safety
- ✓ Reduce food waste and better end-product
- ✓ Upskilling and capacity building

# Where logbooks are already implemented

- Poland
- Slovak Republic
- North Macedonia
- Italy
- Estonia
- Turkey
- Bahrain



# Thoughts on how to establish

1. Selection of A5 candidate country / region for pilot (ideally COPA member)
2. Deployment of pilot using existing 'off-the-shelf' technology where possible
3. Documentation of process, learnings and challenges
4. Development of portal for resources
5. Training and capacity building (i.e. Helpdesk staffing)
6. Promotion and outreach to both new partners and funding sources







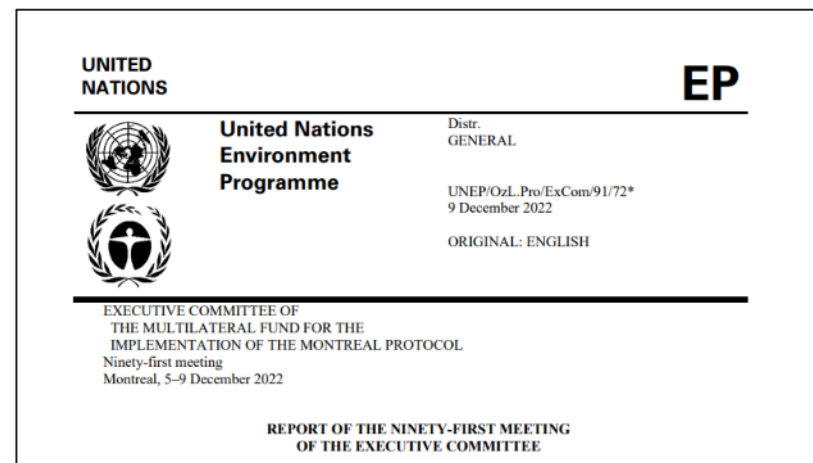
MLF funding window for activities related to banks of  
used or unwanted controlled substances  
Tizian Pfeiffer, COPA Secretariat

# FUNDING OPPORTUNITY FOR STUDYING BANKS FOR USED OR UNWANTED CONTROLLED SUBSTANCES

Decision 91/66 taken in December 2022 by the Executive Committee contains

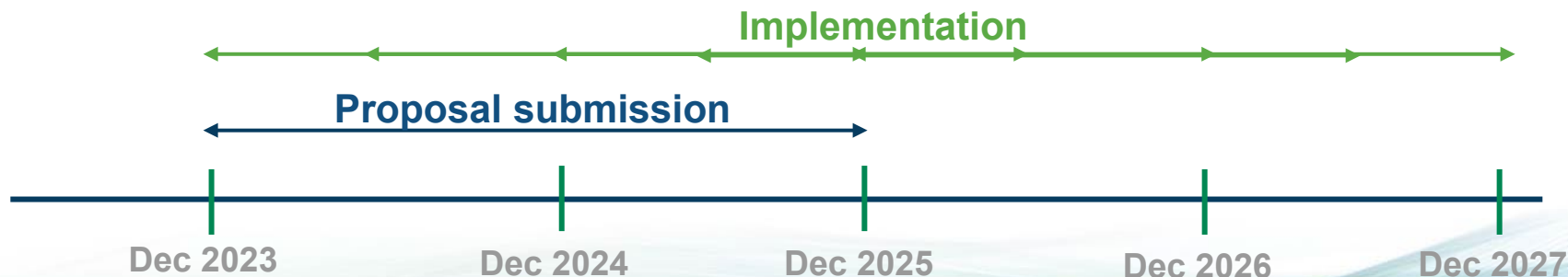
- Scope
- Criteria
- Funding levels
- Timeline

for funding of an ODS/HFC banks inventory and an action plan for collection and treatment.



## TIMELINE

- Project proposals can be submitted starting at the 93<sup>rd</sup> meeting of the Executive Committee (December 2023) up to the 97<sup>th</sup> meeting (expected in December 2025)
- Completion of work expected 24 months after approval
  - Earliest completion: December 2025
  - Latest completion: December 2027



## FUNDING LEVELS

- Provided funding depends on the HCFC baseline

HCFC baseline (ODP tonnes)	Funding level (US \$)	Number of Art. 5 countries
Below 1	70 000	21
Between 1 and 6	80 000	37
Above 6 and up to 100	90 000	62
Above 100	100 000	27

## FUNDING SCOPE

- Inventory of banks of used or unwanted controlled substances
- Plan for collection, transport and disposal of such substances, including consideration of recycling, reclamation and cost-effective destruction
  - the implementation itself is not part of the funding

Countries that have undertaken banks inventories and action plans as part of the refrigeration servicing sector under the HPMP or KIP will not receive further funding.



## 16 OF 27 COPA MEMBER COUNTRIES ALREADY USE THE MLF FUNDING WINDOW

Albania

Botswana

Costa Rica

Dominican Republic

Ecuador

Egypt

Grenada

Honduras

Lesotho

Malawi

Mexico

Namibia

Nigeria

Sierra Leone

Togo

Zimbabwe

# GUIDELINE TO CONDUCT AN INVENTORY OF USED OR UNWANTED CONTROLLED SUBSTANCES: ODS AND HFC BANKS



implemented by  
**giz**  
German Development Cooperation  
Environmental Protection Division

supported by  
**Ministerio de Medio Ambiente, Cambio Climático y Transición Ecológica**  
**IKI**  
INTERNATIONAL Kлиматический ИНСТИТУТ  
Klimatic Institute

with the kind support of a Member  
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Closing remarks  
Ellen Michel, Head of COPA Secretariat

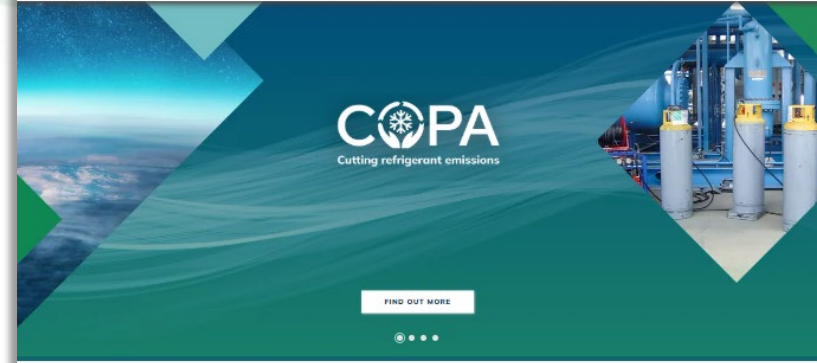
About us

Our Results & Resources

Our Activities

Visit **COPA** at [www.copalliance.org](http://www.copalliance.org) and get **inspired!**

e-Mail us at [contact@copalliance.org](mailto:contact@copalliance.org) and get **connected!**



FIND OUT MORE

**COPA – POINTING A LIGHT ON A BLIND SPOT**

The global demand for refrigeration and air conditioning continues to grow, significantly contributing to greenhouse gas emissions. In response to the Montreal Protocol's Kigali Amendment, the sector is working to replace highly climate damaging hydrofluorocarbon (HFC) refrigerants with more sustainable solutions. However, there is a blind spot left behind.

Outdated or end-of-life refrigerants, including foams, are not being managed in an environmentally sound manner, and lead to the accumulation of so-called ODS and HFC banks. These emit substances (CFCs, HCFCs, HFCs) that harm and deplete the ozone layer and contribute to global warming. Each year, approximately 15 Gt CO<sub>2</sub>-eq are released from improperly managed or disposed refrigerants. This corresponds to the annual greenhouse gas emissions of 441 coal-fired power plants. Currently, there are no global agreements or infrastructures in place to address this challenge.

LEARN MORE ABOUT COPA

“ Old appliances containing ODS and HFC substances represent a blind spot when it comes to climate action. At the same time this sector carries a huge cost-effective and sustainable mitigation potential. I am convinced that COPA can support a global shift to sustainable refrigerant management.

Nicole Wills, German Federal Ministry for Economic Affairs and Climate Action (BMWK)

**THIS IS WHERE THE CLIMATE OZONE PROTECTION ALLIANCE – STEPS IN**

Together with partner countries and diverse actors, the Alliance accelerates the mitigation measures urgently needed to address accumulated amounts of Ozone Depleting Substances and Hydrofluorocarbons.

LEARN MORE ABOUT OUR MISSION AND VISION





***Thank you for your participation!***