



Integrated Action for Air Quality & Climate

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01

The Problems

The Problem of Air Pollution

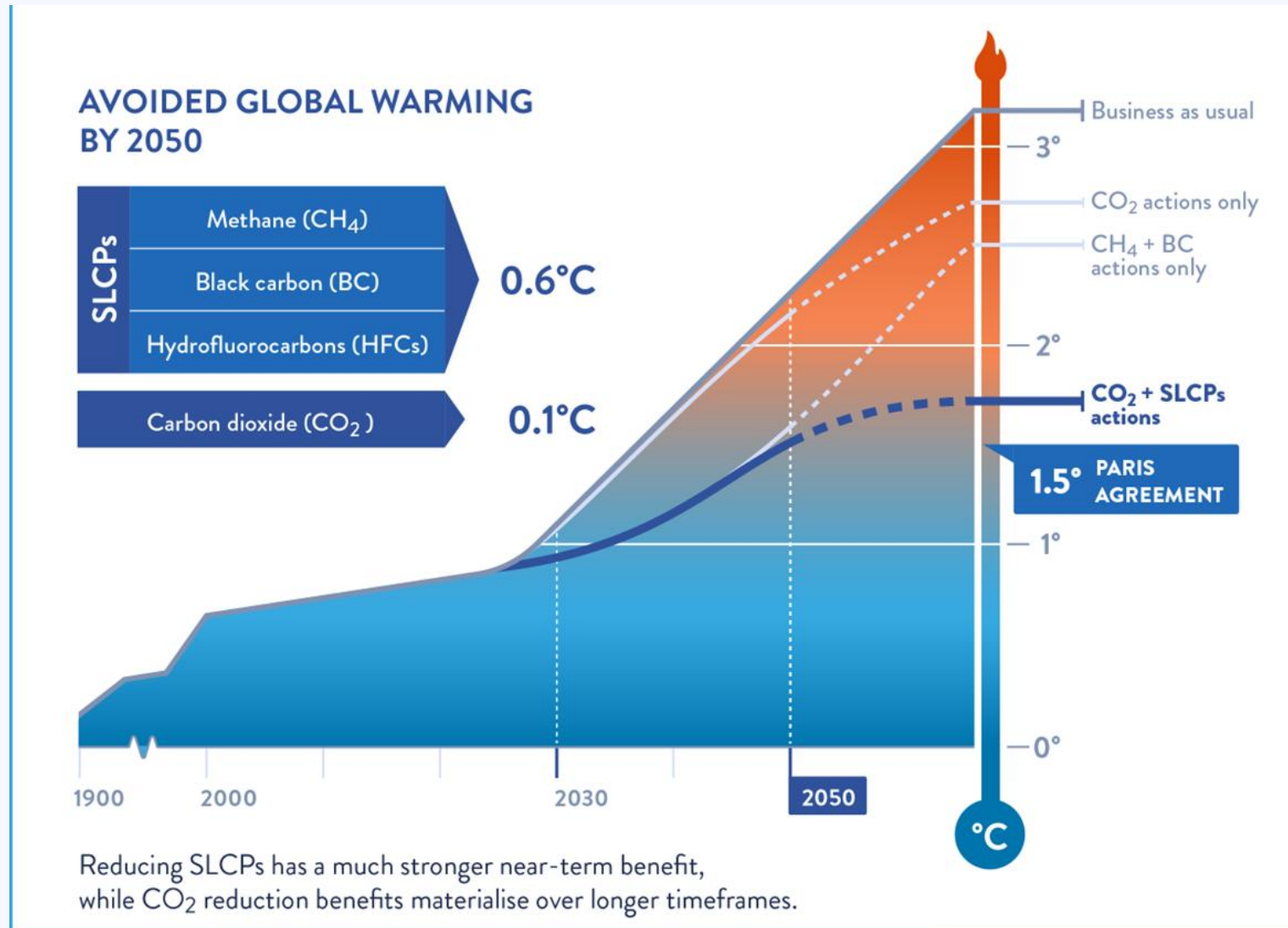
Air pollution kills millions of people each year, impacts supplies of the food we eat, and costs the global economy trillions of dollars

These impacts are not shared equally – 95% of the deaths are in developing countries and vulnerable populations are more susceptible to harm

Improving air quality returns benefits many times the cost



The Problem of Climate Change



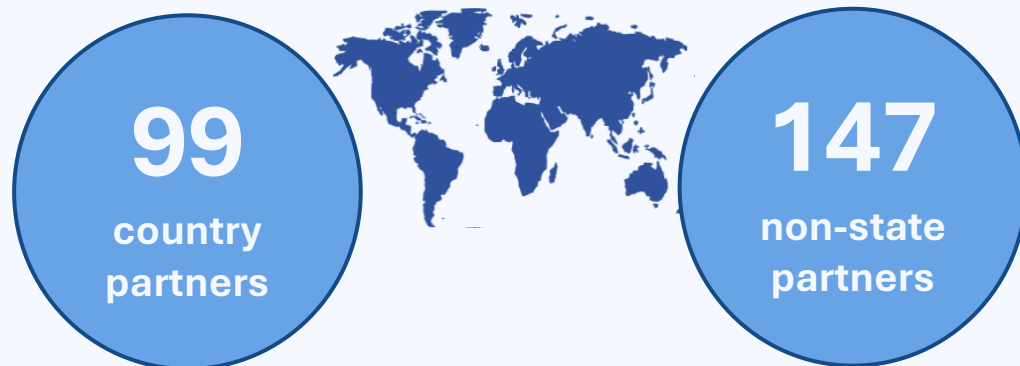


02

An Integrated Solution

Meet the CCAC

A global, voluntary partnership dedicated to tackling short-lived climate pollutants, including **methane, black carbon, hydrofluorocarbons, and tropospheric ozone**



The CCAC promotes an integrated approach to climate and clean air, with low-cost, readily available solutions to be implemented this decade



CCAC Ministerial Meeting, COP27, Sharm El Sheikh, Egypt

What Are Short-Lived Climate Pollutants?

SLCPs provide us the best chance of avoiding the worst of the climate crisis and limiting warming to 1.5C.

SLCPs are responsible for up to **50% of global warming**, and some are also **dangerous air pollutants** which negatively affect human health and the environment.

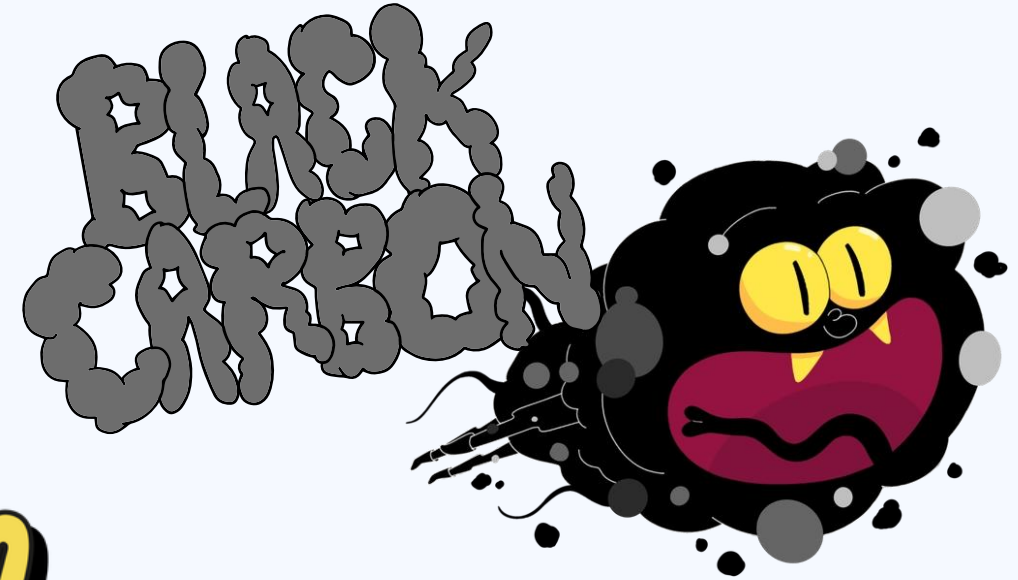
Methane



HYDROFLUORO CARBONS



ATMOSPHERIC OZONE



Sources of Short-Lived Climate Pollutants



HFCs / Cooling



Household Energy



Waste



Heavy-Duty Vehicles & Engines

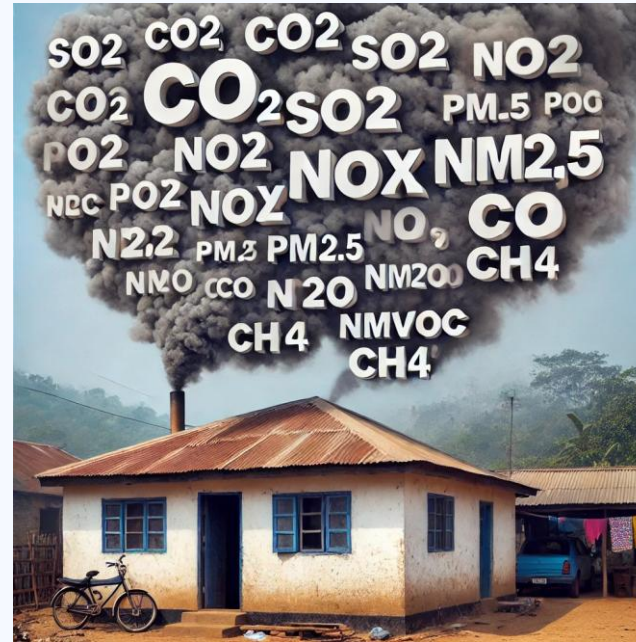


Fossil Fuels



Agriculture

Many Sources Co-Emit Pollutants



- When you reduce emissions, multiple pollutants can be reduced at the same time
- Multiple impacts over multiple timescales and local, regional and global scales



03

What is CCAC doing?

CCAC's Approach



Political Advocacy

Convening leaders
showcase the
importance of
**addressing SLCPs,
air pollution, and
health**



Scientific and Integrated Approach

Creating a scientifically-
based approach that
**integrates both
climate and clean air
action to give decision
makers the confidence
to act**



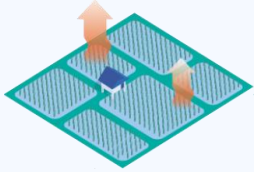
Country- Driven Projects

Support countries with
**capacity building, expert
assistance, planning,
science research, and
support the development
of national policies**

Action on Super Pollutants



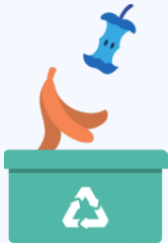
Tackling SLCPs in Brazil



CCAC project **integrating methane mitigation into national agriculture strategies**



CCAC project **reducing methane emissions from the livestock sector**



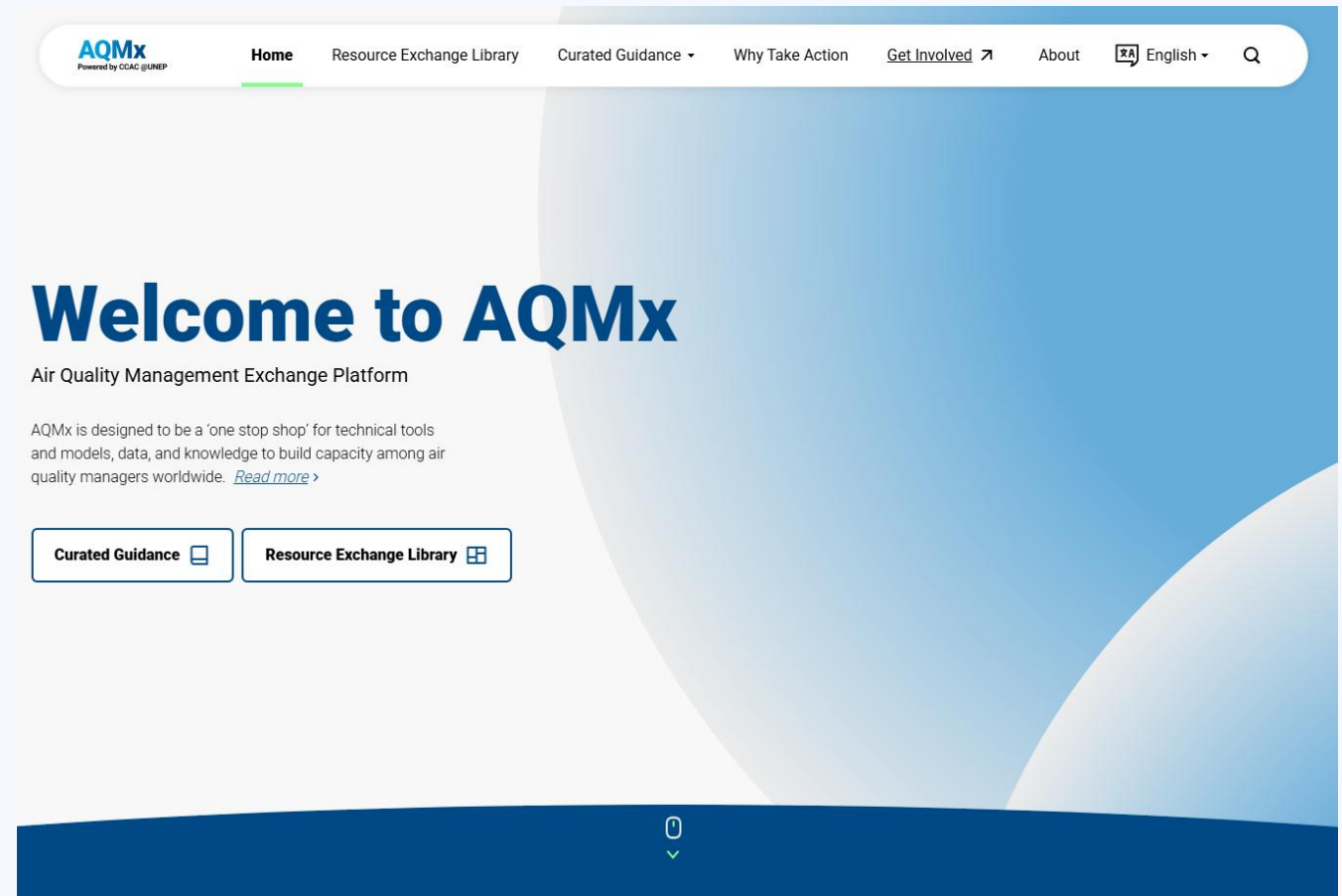
Partnering with CCAC to develop a **methane mitigation strategy for the waste sector**



Fast action on country-led priorities since joining the CCAC in 2023

AQMx

- A "one-stop-shop" for knowledge and guidance on air quality management
- A trusted source for air quality managers worldwide, supporting them in the implementation of effective clean air policies and in meeting the **WHO air quality guidelines** and interim targets
- A collaborative process, harnessing collective knowledge: **AQMx TAG** leading the development of the guidance + members of the CCAC **Clean Air Task Team** taking part in the review process to ensure buy-in + **Air Quality Managers** focus group

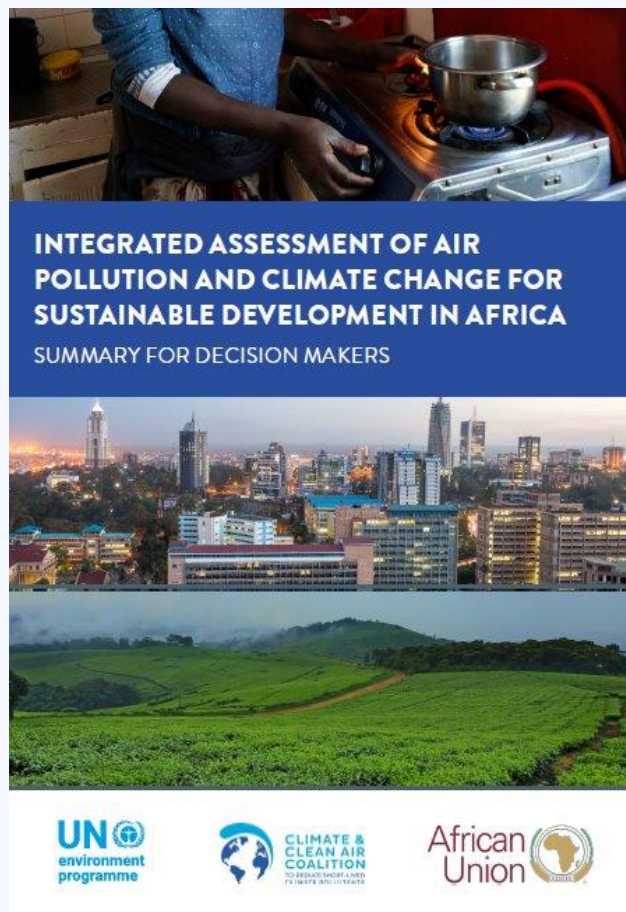


AQMx Content: Curated Guidance

8 Curated Guidance pages with 10 basic steps to get started with AQM for jurisdictions with different levels of expertise

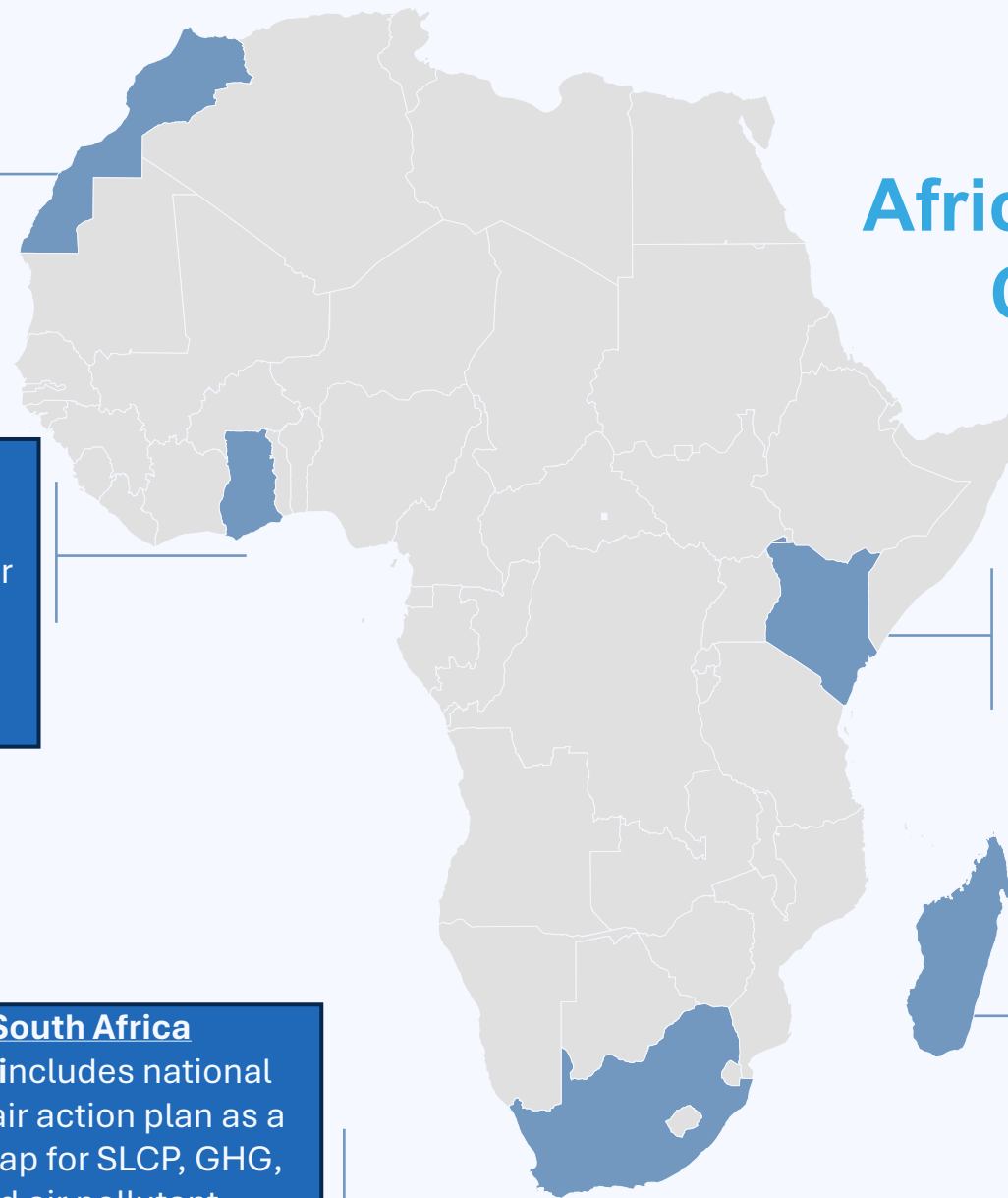


Integrated Assessment of Air Pollution and Climate Change for Sustainable Development in Africa



- **Partners:** CCAC, Stockholm Environment Institute, UNEP-ROA, African Union Commission
- **37 Mitigation Measures:**
 - **Targeted key sectors:** Transport, industry, agriculture, waste, and household energy
 - Reduce emissions of PM2.5, black carbon, and methane, improving health & food security
 - **Benefits:** Prevents hundreds of thousands of deaths, improves crop yields, and mitigates climate change
- **Implementation:** Requires **regional cooperation, strong policies, and investment in clean technology**

Africa Clean Air Programme Champion Countries



Morocco

Updating emission inventory, and improve regulations and standards of air pollution in the industrial sector

Ghana

Center of Excellence in Air Quality Monitoring, with CAF

Kenya

Work on clean cooking

South Africa

(TEA) includes national clean air action plan as a roadmap for SLCP, GHG, and air pollutant reductions (short to long term)

Madagascar

Regional standards on air Quality for the Indian Ocean Commission and the SADC

CCAC NDC GUIDANCE

- 1. Include Specific Measures to Reduce Black Carbon and Tropospheric Ozone Precursors**
- 2. Align Climate and Air Quality Commitments**
Including measures or goals set in national or subnational air quality action plans.
- 3. Set additional quantified targets for emissions reductions**
- 4. Quantify and Include Human Health, Food Security, and Other Benefits**
Including ozone benefits as a result of reductions in other SLCPs e.g. methane.

Guidance on Including Black Carbon and other Air Pollutants in NDCs

Catalysing integrated climate and air quality action for health, food security, and development benefits





04

What are the challenges?

Key Challenges to an Integrated Approach on Air Quality & Climate

- Pollution comes from many sources and doesn't stop at borders
- Many countries lack access to air quality monitoring and other data
- Limited technical capacity or human resources can hinder progress
- There is insufficient funding for air quality projects and the funding available does not reach those who need it most



**CLIMATE &
CLEAN AIR
COALITION**

TO REDUCE SHORT-LIVED
CLIMATE POLLUTANTS

a **UNEP** convened initiative

Thank You!

