

## Climate and Clean Air Coalition

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# Clean Air Flagship Summary

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[www.ccacoalition.org](http://www.ccacoalition.org)

# About the CCAC

- Global, voluntary partnership of committed countries & organisations.
- Dedicated to addressing short-lived climate pollutants (SLCPs).

**86**

country  
partners

**83**

non-state  
partners



*COP27 CCAC Ministerial, Sharm el-Sheikh, Egypt*

# How We Deliver



## HIGH-LEVEL POLITICAL LEADERSHIP



## TECHNICAL SUPPORT AND ASSISTANCE

- Enhance capacity
- Support science-based policies
- Catalyse action in sectors



## STRENGTHENING THE CASE FOR ACTION

- Demonstration projects
- Scientific assessments

# Clean Air Flagship Background

- 2022 Climate and Clean Air Ministerial: “requested that CCAC partners work together to develop a concept for a program or activities... on ‘**clean air action**’ to launch at the 2023 CCAC Ministerial”
- March 2023 Board Meeting: “Clean Air Flagship”, should be **one of the CCAC’s 2023 priorities**
- April – August 2023 Secretariat convened an ad-hoc and timebound Task Team to develop the Clean Air Flagship
- September 2023 Board approved Clean Air Flagship
- COP28 – Clean Air Flagship was approved by CCAC Ministers

# 2023 CCAC Ministerial – 8 December, COP28 Dubai



# CCAC Clean Air Flagship 2024 - 2026

1. Save Lives
2. Slow the Pace of Climate Change
3. Maximise Co-Benefits

## 5 Goals of the Flagship

1. Amplify and strengthen regional and multi-level **governance, cooperation and capacity** on integrated climate and air quality management;
2. Strengthen **science communication** to support policy action and fill critical information gaps, especially on the **economic costs and benefits** of clean air action, and through integrated inventories monitoring and air pollution modelling;
3. Elevate air quality agenda through **advocacy**, by highlighting readily available solutions, providing capacity support for data and implementation, and reinvigorating the BreatheLife Network;
4. Promote transparency to encourage **private sector action** on integrated climate and air quality management; and
5. Mobilize **finance** for air quality agenda by raising US\$30-40 million through a Clean Air Sprint

# 2024 Clean Air Flagship Activities

- Convene a Clean Air Task Team of all interested partners to guide the Flagship;
- Launch a knowledge platform for air quality managers and host national and sub-regional technical and advocacy workshops;
- Support country-driven projects on air quality including on National Clean Air and SLCP Plans;
- Re-invest in BreatheLife and engage with key partners in a new campaign to be launched on Clean Air Day in 2024; and
- Convene a series of Ministerials



# UNEA-6 resolution: Promoting regional cooperation on air pollution to improve air quality globally

*This resolution encourages Member States to accelerate efforts to improve air quality globally, including by setting national ambient air quality standards.*

*... It requests UNEP to form and facilitate an air quality network and provide an **updated global online platform for information sharing**.*

*...Regional and subregional cooperation bodies and initiatives, as well as financing institutions, are invited to implement regional solutions to air pollution, particularly in developing countries... Support development of regional air quality arrangements, including an **Africa Clean air program** and enhance, as appropriate, existing regional air quality initiatives.*

# Africa Clean Air Program

- The CCAC Africa Assessment (2022) recommends the development of an Africa Clean Air Program
  - Continent wide program led by countries with input from relevant stakeholders
  - Aims to promote more comprehensive air quality management

“Note the completion of the Integrated Assessment of Air Pollution and Climate Change for Sustainable Development in Africa and its report, in response to AMCEN decision 17/2. **Urge African countries to support further development and implementation of the 37 recommended measures as a continent-wide Africa Clean Air Program, coordinated by strong country-led initiatives, cascaded to the Regional Economic Communities and higher levels of policy.**” - AMCEN-18 (2022)

# BreatheLife AQMx (Air Quality Management Exchange Platform)

- Called for by UNEA-6 resolution.
- Designed to be a one-stop-shop for technical models and tools, data, and guidance, to build capacity of air quality managers worldwide.
- Phase I (to be launched on International Day of Clean Air for blue skies 2024):
  - Curated guidance on air quality management (stage 1)
  - Resource exchange library (Data & Databases / Tools & Models / Reports / Peer-reviewed Literature / Standards, Regulation, Legislation and Agreements / Training Resources)
  - Curated guidance and resources to be reviewed by the CAD Science Group
  - Key audience: air quality managers in Low- and Middle-Income countries

# Comprehensive AQM Planning

## AQ Monitoring

- Manual filter sampling (FRMs)
- Continuous monitors (FEMs)
- Low-cost sensors
- Gas sensors
- Remote sensing methods
- Data validation
- Data management systems
- Public access

## Source Attribution

- Chemical speciation
- Source apportionment
- Dispersion models
- Lagrangian (trajectory) models
- Chemical transport models
- Reduced complexity models
- Airshed approaches

## Emissions Inventory

- Criteria pollutants
- SLCPs/GHGs
- Source sector identification
- QA/QC – Cycle of continuous improvement
- Policy effectiveness tracking/ accountability framework
- UNFCCC reporting
- AQ modeling input (emission modeling/ gridding)

## Health Impact Assessment

- Health incidence data (ICD-10)
- CRFs
- Burden of disease
- Valuation methods
- Government health spending
- Developing public health messages

## Sustainable Development Benefits Assessment

- Ecosystem services
- Waters
- Biodiversity
- Habitat
- Fuel savings
- Congestion mitigation
- Crop Yields
- Climate benefits
- Tourism/aviation

## Decision Support

- Energy balance
- Economic projections
- Scenario analysis
- Integrated Assessment Models
- Cost-benefit
- Cost-effectiveness
- Macroeconomic impacts
- Policy integration/prioritization

## Public Engagement and Communication

- Public awareness
- Data accessibility
- AQI, apps, website
- Disseminating public messages
- Stakeholder engagement
- Buy-in to data, tools, assessment methodology
- Communications materials

## Regulatory Design and Implementation

- Ambient standards
- Tech. performance standards
- Permitting
- Fiscal policy/incentives
- Voluntary programs
- Market trading
- Clean technology adoption/ finance
- Point of regulation
- Staffing/budget
- Agency mandates/accountability

# BreatheLife AQMx (Air Quality Management Exchange Platform)

- Phase 2 (to be launched in 2025)
  - Curated guidance for stages 2-5
  - Additional features (peer-to-peer exchanges, community of practice, training modules)
  - National and regional workshops to ensure ownership of the platform by air quality managers

Identification of gaps in available knowledge and tools, and ways to improve / develop necessary guidance.



**CLIMATE &  
CLEAN AIR  
COALITION**  
TO REDUCE SHORT-LIVED  
CLIMATE POLLUTANTS

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a UNEP convened initiative

# Thank you

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