

Closing the air quality capacity gap: the Air Quality Management Exchange Platform

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Climate and Clean Air Coalition

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The need for a global knowledge platform on air quality management



CCAC-DEC2023-02

CLEAN AIR FLAGSHIP 2024-2026

At the Climate and Clean Air Ministerial 2022, CCAC Partners requested a new effort to achieve clean air across the world. At the Climate and Clean Air Ministerial 2023, the CCAC is launching a "Clean Air Flagship" to mobilise the partnership and 'move the needle' on this important topic. It is aimed at:

Saving lives	Supporting governments to achieve cleaner air as quickly as possible, consistent with improved WHO air quality interim targets
Slowing climate change	Taking full advantage of win-win opportunities to reduce the emissions of short-lived climate pollutants simultaneously with other harmful pollutants
Maximizing co-benefits	Improving agricultural productivity, economic development and the overall quality of life

To achieve those aims, we ask the CCAC through joint and individual efforts, including CCAC project funding, to:

- 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 cost and benefits of climate and clean air action, and through integrated inventories, monitoring and air pollution modeling;
- 3. Elevate the 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 the air quality agenda by raising US\$30-40 million through a Clean Air Sprint.

Immediately in 2024 we will:

- 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 including a Joint Climate and Health Ministerial on the margins of the WHO Global Conference on Air Pollution and Health.

Air pollution is associated with
~ 7 million
premature
deaths annually

2.4 billion people
are exposed to dangerous levels
of household air pollution

99% of the world
breathes
unsafe air

On average, up to
15% of some crops are lost
each year due to air pollution

Costs of health impacts: **US\$8.1 trillion per year**



UNITED NATIONS

UNEP/EA.6/Res.10



United Nations
Environment
Programme

Distr.: General
5 March 2024
Original: English

United Nations Environment Assembly
of the United Nations Environment Programme
Sixth session
Nairobi, 26 February–1 March 2024

Resolution adopted by the United Nations Environment Assembly on 1 March 2024

6/10. Promoting regional cooperation on air pollution to improve air quality globally

The United Nations Environment Assembly,

Recalling its resolution 1/7 of 27 June 2014 on strengthening the role of the United Nations Environment Programme in promoting air quality and its resolution 3/8 of 6 December 2017 on preventing and reducing air pollution to improve air quality globally, and noting World Health Assembly resolution WHA68.8 of 26 May 2015, entitled "Health and the environment: addressing the health impact of air pollution", and General Assembly resolution 74/212 of 19 December 2019 on the International Day of Clean Air for Blue Skies,

Recognizing that air pollution, including fine particulate matter and tropospheric ozone and their precursors, is one of the greatest environmental risks to health and that populations living in vulnerable situations are disproportionately exposed to air pollution and have a higher risk of associated negative health impacts and premature death,¹

Underscoring the need to elevate efforts at all levels of government, by environmental and health organizations and by the private sector to collaborate on addressing the significant impacts of air pollution, in accordance with the Sustainable Development Goals,

Acknowledging the progress achieved by existing bodies and initiatives that facilitate cooperation on in-country and transboundary air pollution, including the Convention on Long-range Transboundary Air Pollution;² the meteorological synthesizing centres of the Economic Commission for Europe and its Task Force for International Cooperation on Air Pollution; the *Integrated Assessment of Air Pollution and Climate Change for Sustainable Development in Africa*³ and its proposed Africa clean air programme; the Climate and Clean Air Coalition to Reduce Short-lived Climate Pollutants and its recently launched Clean Air Flagship 2024–2026 fact sheet; the air quality work programme under the Fifth Montevideo Programme for the Development and Periodic Review of Environmental Law; and the Acid Deposition Monitoring Network in East Asia,

Recognizing that air pollution also has significant adverse effects on ecosystems, leading to loss of biodiversity,

¹ World Bank, "Pollution", 19 Sept. 2023. Available at <https://www.worldbank.org/en/topic/pollution> (accessed on 28 Jan. 2024).

² United Nations, *Treaty Series*, vol. 1302, no. 21623.

³ United Nations Environment Programme, *Integrated Assessment of Air Pollution and Climate Change for Sustainable Development in Africa* (Nairobi, 2022).

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Air Quality Management Exchange platform (AQMx)

Welcome to AQMx

Air Quality Management Exchange Platform

AQMx is designed to be a 'one stop shop' for technical tools and models, data, and knowledge to build capacity among air quality managers worldwide. [Read more >](#)

Air Quality Management Guidance 

Sectoral Guidance 

Resource Exchange Library 

Air Quality Management Guidance

Step-by-step guidance for 8 areas of air quality management

- Stages 1, 2 and 3: already available
- Stages 4 and 5: launched on International Clean Air Day 2026

Air Quality Monitoring



Source Attribution



Emissions Inventory



Health Impact Assessment



Environmental Impacts Assessment



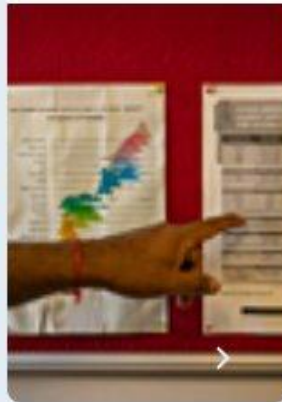
Decision Support



Public Engagement and Communication

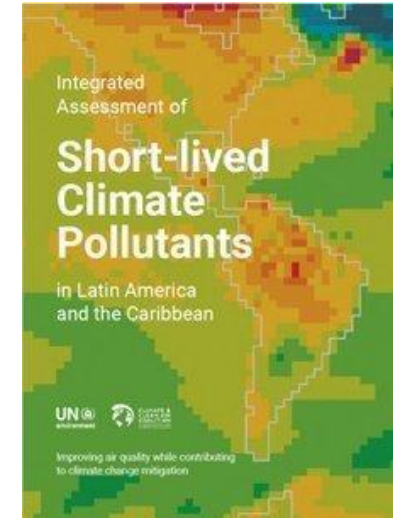
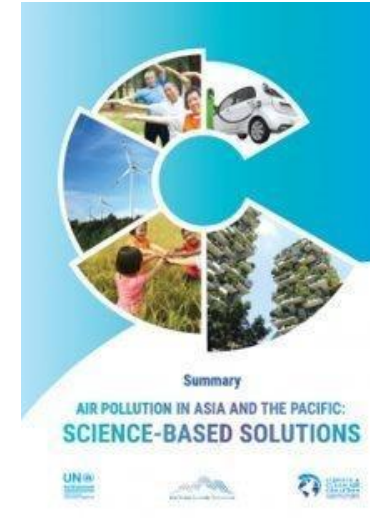
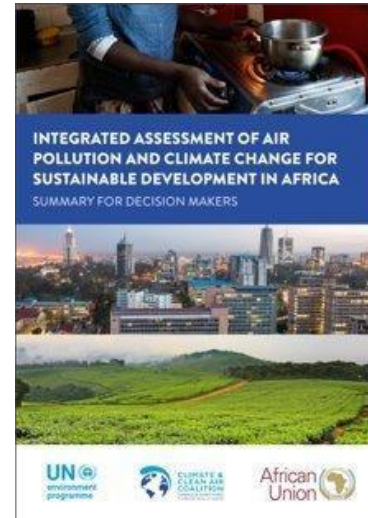


Legal Framework and Policy Design



Sectoral Guidance

- Concrete, actionable guidance to implement proven clean air policies
- The “Implementation Guide” to SLCP mitigation measures identified in CCAC regional assessments
- Focus on black carbon-rich sources
- First set of Sectoral Guidance launched at UNEA-7:
 - Agriculture: Crop Residue Burning
 - Household Energy: E-Cooking
 - Road Transport: Fuel Quality
 - Waste Management: Open Waste Burning



- Second set of Sectoral Guidance launched at BAQ:
 - Road Transport: Vehicle Emission Standards + Inspection & Maintenance
- More guidance areas to be developed in 2026

AQMx Resource Library

- Databases
- Tools and Models
- Reports
- Scientific Publications
- Standards and Action Plans
- Communications Materials

>1,500 trusted resources, frequently updated

Suggestions for additional resources welcome!

AQMx Resource Exchange Library

Filters Reset All Sort: Newest to Oldest

AQM Activity Type	▼
Resource Type	▼
Theme	▼
Region	▼
Location	▼
Organisation	▼
Governance level	▼
Capacity	▼
Language	▼
Date Range	▼

Blueprint for a Comprehensive Oil and Gas Methane Regulation

2026

Guidelines, Tools & Models

Early-Life Air Pollution Exposure Is Associated with the Infant Gut Microbiome and Fecal Metabolome in the First Two Years of Life

2026

Reports, Case Studies & Assessments

Economic Impacts of Ozone Exposure

2026

Reports, Case Studies & Assessments

Traffic-Related Air Pollution and Birth Weight: The Roles of Noise, Placental Function, Green Space, Physical Activity, and Socioeconomic Status (FRONTIER)

2026

Reports, Case Studies & Assessments

Motor Vehicle Information Management Systems

A Framework for Improvement

40 by 2040: Cost of Inaction and Delays in Reaching Delhi's

A Breath of Change

Solutions for Cleaner Air

A Breath of Change

Solutions for Cleaner Air

Workshop Agenda

1. Leveraging AQMx: Testimonies from AQMx users

Ittipol Pawarmart: Thailand PCD / AQMx Focus Group

Hiroaki Takiguchi: JICA

2. Applying the AQMx Guidance:

Public Engagement and Communications: Glynda Bathan-Baterina, Clean Air Asia / AQMx Technical Advisory Group

Open Waste Burning: Lucy Stevens, AQMx Waste Expert

3. Interactive session: Brainstorming future AQMx content and functionalities

- Led by Beatriz Cardenas, WRI / AQMx Technical Advisory Group

Interactive session (Mentimeter)

Instructions

Go to

www.menti.com

Enter the code

1611 6685



Or use QR code

AQMx Focus Group

Join the AQMx Focus Group and contribute to the development of new content and functionalities for the platform!



<https://forms.office.com/e/Tru25jpRrN>

BAQ 2026

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Thank you!

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