



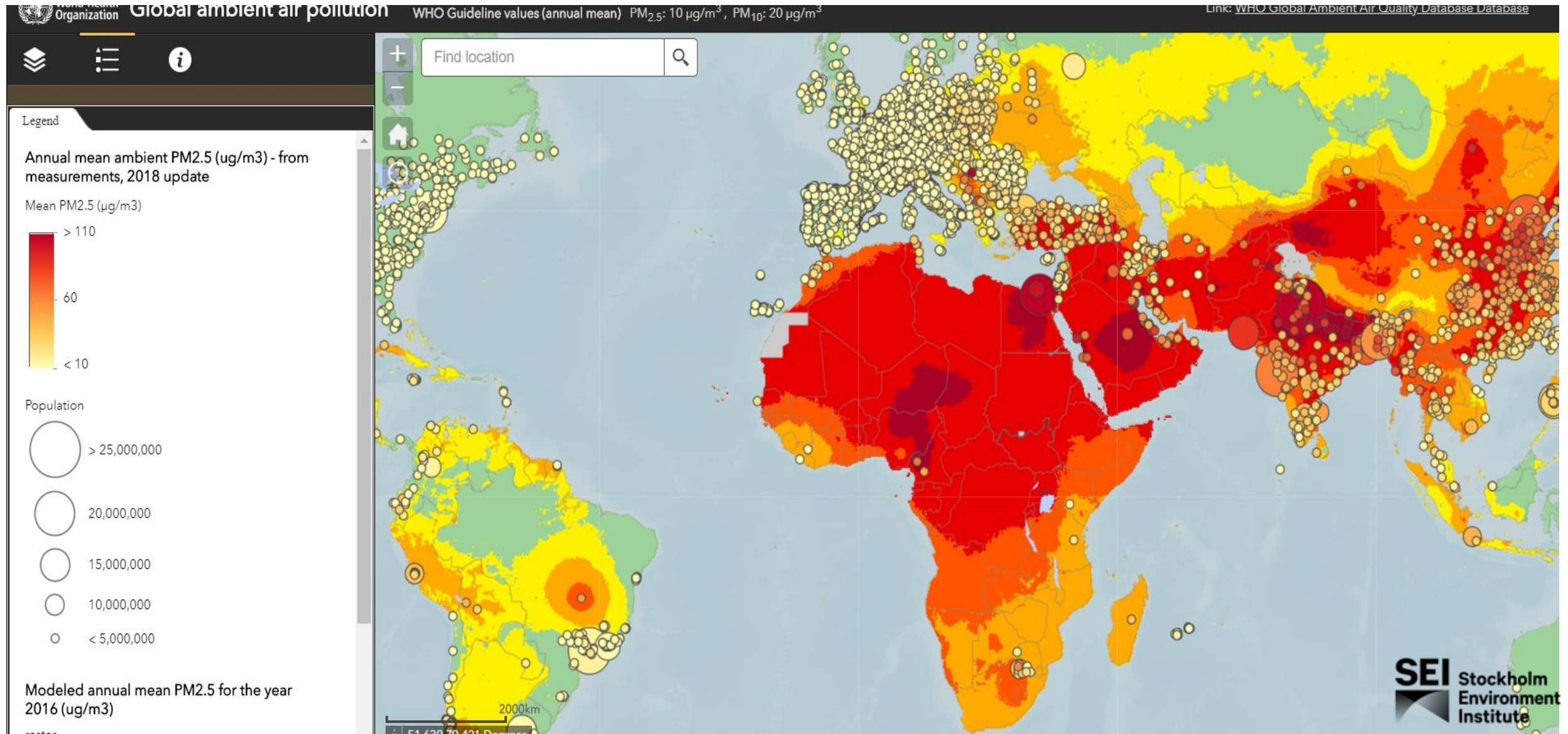
AU Agenda 2063 and the African Clean Air Program (ACAP)

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Background: Air Pollution - A Growing Concern in African Cities



GHG and Air Pollution Sources and Impacts

HUMAN HEALTH

CROP YIELD LOSS

CLIMATE CHANGE

AIR POLLUTANTS

Nitrogen Oxides (NO_x)
Non-methane Volatile Organic Compounds (NMVOCs)
Sulphur Dioxide (SO₂)
Ammonia (NH₃)
Particulate Matter (PM_{2.5}, PM₁₀)
Carbon Monoxide (CO)
Heavy metals
Persistent Organic Pollutants (POPs)

Africa's annual premature deaths: 49,000

(World Bank, 2012)

SHORT-LIVED CLIMATE POLLUTANTS

Black Carbon (BC)
Tropospheric Ozone (O₃)

**Ozone attributable Wheat yield loss in Africa: 21%
~300,000 t**

(Sharps et al. 2021)

GREENHOUSE GASES

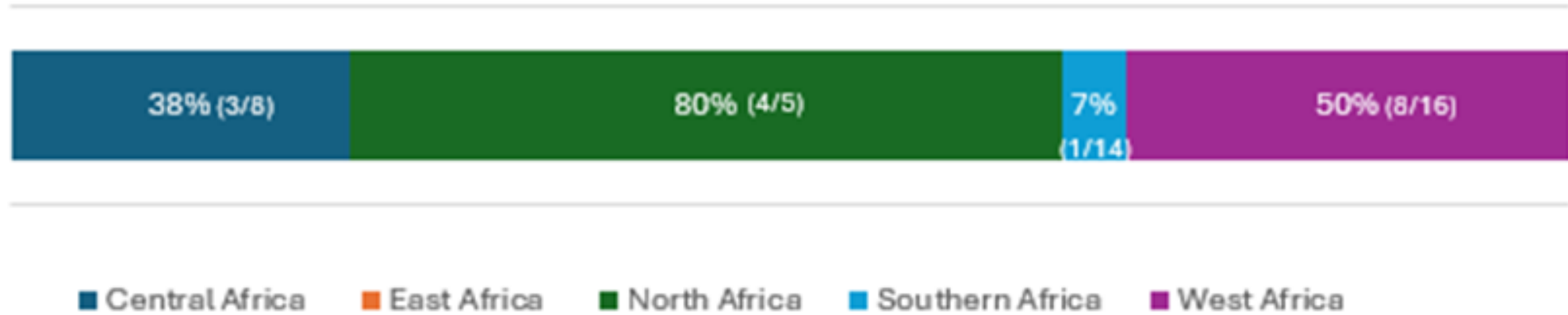
Carbon Dioxide (CO₂)
Nitrous Oxide (N₂O)
Perfluorocarbons (PFCs)
Sulphur Hexafluoride (SF₆)
Nitrogen trifluoride (NF₃)
Chlorofluorocarbons (CFCs)
Hydrochlorofluorocarbon (HCFCs)

**Africa's GHG Contribution: <4%
(Brookings Institution, 2016)**

Cost of Air Pollution in Africa ≈ USD 215 billion (OECD, 2016)



Status of National Air Quality Management Plans in Africa

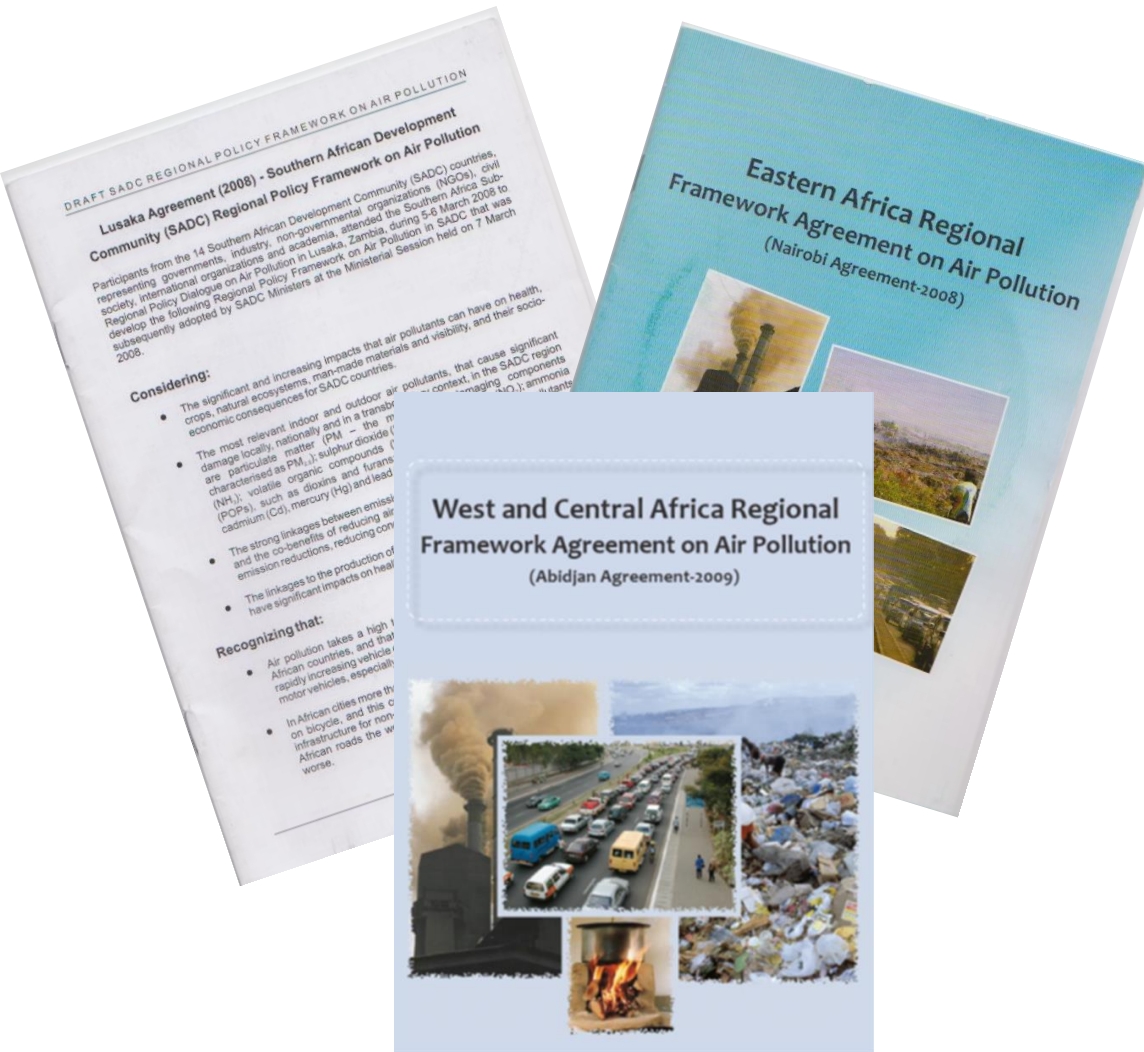


2022 AMCEN Decision 18/4: Climate Change



- ❖ '38. 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.'

Alignment of the Africa Clean Air Program with the Regional Framework Agreements on Air Pollution in Africa



- ❖ Produced by multi-stakeholder consultations over a decade by APINA and UNEP, so there is ownership
- ❖ The Lusaka Agreement 2008 for Southern Africa, Nairobi Agreement-2008 for East Africa & Abidjan Agreement-2009 for East and Central Africa
- ❖ Actions map well onto the priority pillars of ACAP and the five sectors covered by the 37 measures

The African Union Five Key Pillars of the Africa Clean Air Programme

Pillar 1: Strengthened Air Quality Data Management System (AQDMS) at the national and regional levels

Pillar 2: Research, development and capacity strengthening

Pillar 3: Develop and strengthen air quality policy and legal frameworks in Africa

Pillar 4: Promote and enhance Information, Education, and Communication to increase public awareness on air quality and health in Africa

Pillar 5: Monitoring, Evaluation and Learning Framework for Africa



Draft Roadmap for the Africa Clean Air Program

2025-2035

→ 2040

→ 2063



Pillar 1: Strengthened Air Quality Data Management System (AQDMS) at the national and regional levels

Establish harmonized AQ monitoring networks & data protocols across Africa.

Increase capacity in AQ data collection, management, sharing & utilization.

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Pillar 2: Research, development and capacity strengthening

Establish regional centres of excellence for AQM research & capacity building.

Increase capacity for integrated AQ & climate change modelling (local to regional).



Pillar 3: Development and strengthen air quality policy and legal framework in Africa

Revitalize Regional Framework Agreements & build capacity for national implementation (37 measures).

Develop & strengthen AQM policies, laws, regulations & standards (sub-national to regional).

Improve coordination of transboundary AQ governance via RFAs & international instruments.



Pillar 4: Promote and enhance Information, Education, and Communication to increase public

Raise awareness of health impacts (medical professionals & public).

Develop knowledge materials & info products on AQ in all African Union languages.

Support innovation, learning & teaching on AQM at all education levels.



Pillar 5: Monitoring, Evaluation and Learning Framework for ACAP

Develop ACAP Results Framework for MEL (national, regional, continental targets).

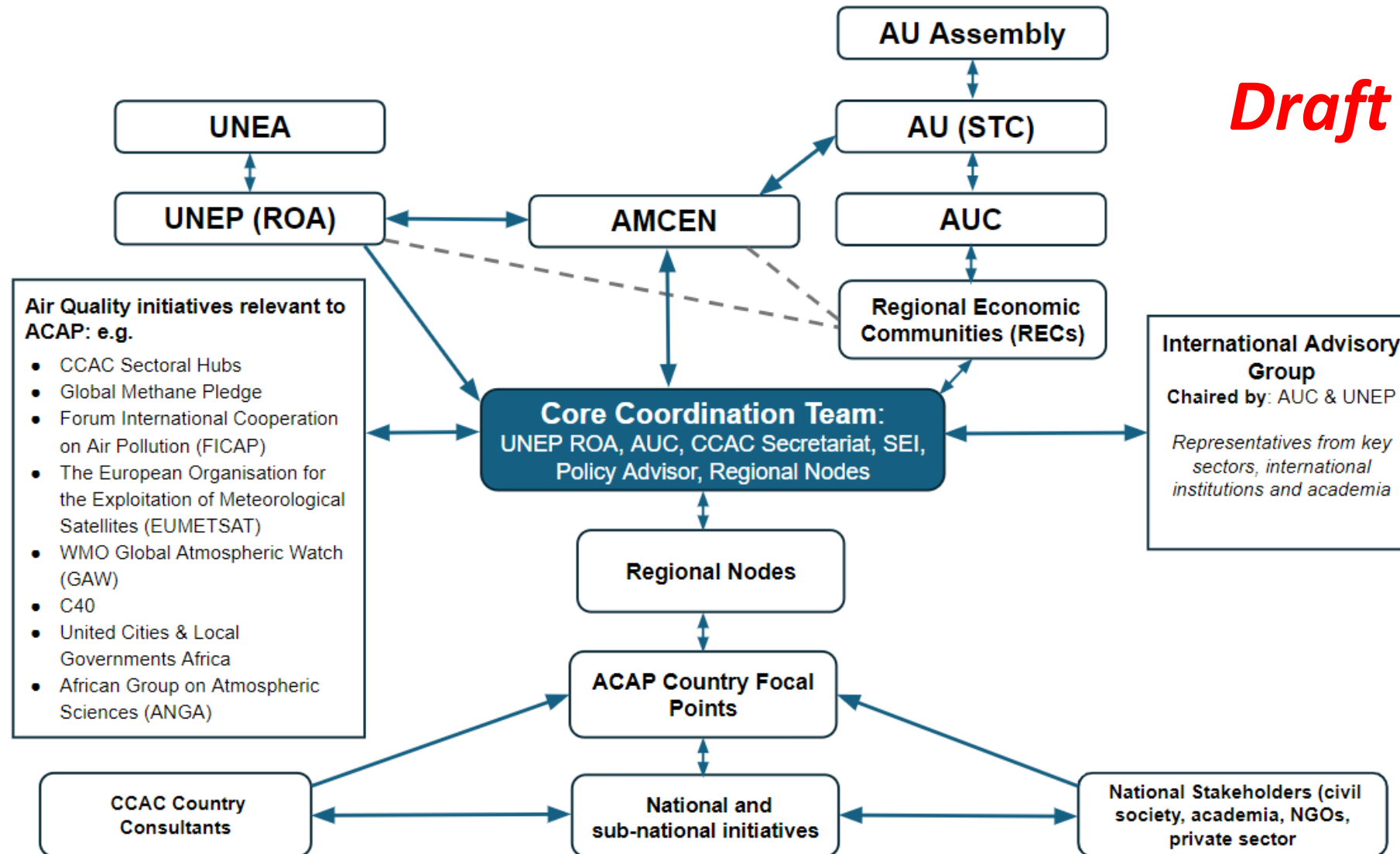
Recognizing data gaps and opportunities

Mobilizing Resources (Govts., Donors, Banks, Philanthropy)

Fostering Local Action within Frameworks (Continental to Sub-National)

Continuous Monitoring, Evaluation & Learning for Adaptive Management

Proposed Organizational Chart for the Africa Clean Air Programme



Thank you

