



CLIMATE & CLEAN AIR COALITION

TO REDUCE SHORT-LIVED
CLIMATE POLLUTANTS

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Science Affairs Lead
Climate and Clean Air Coalition

About the CCAC

88

country
partners

96

non-state
partners

- A **global**, voluntary partnership
- Dedicated to addressing **super pollutants**
- An **integrated approach** to climate and clean air, with low-cost, readily available solutions to be implemented this decade



COP27 CCAC Ministerial, Sharm el-Sheikh, Egypt

What Are Super Pollutants?



Powerful climate forcers, including **methane, black carbon, hydrofluorocarbons, tropospheric ozone, nitrous oxide**, and responsible for half of global temperature rise



Air pollutants that are **harmful to people, ecosystems and agricultural productivity**



The Opportunity for Action



2023 is the hottest year on records, emissions continue to rise



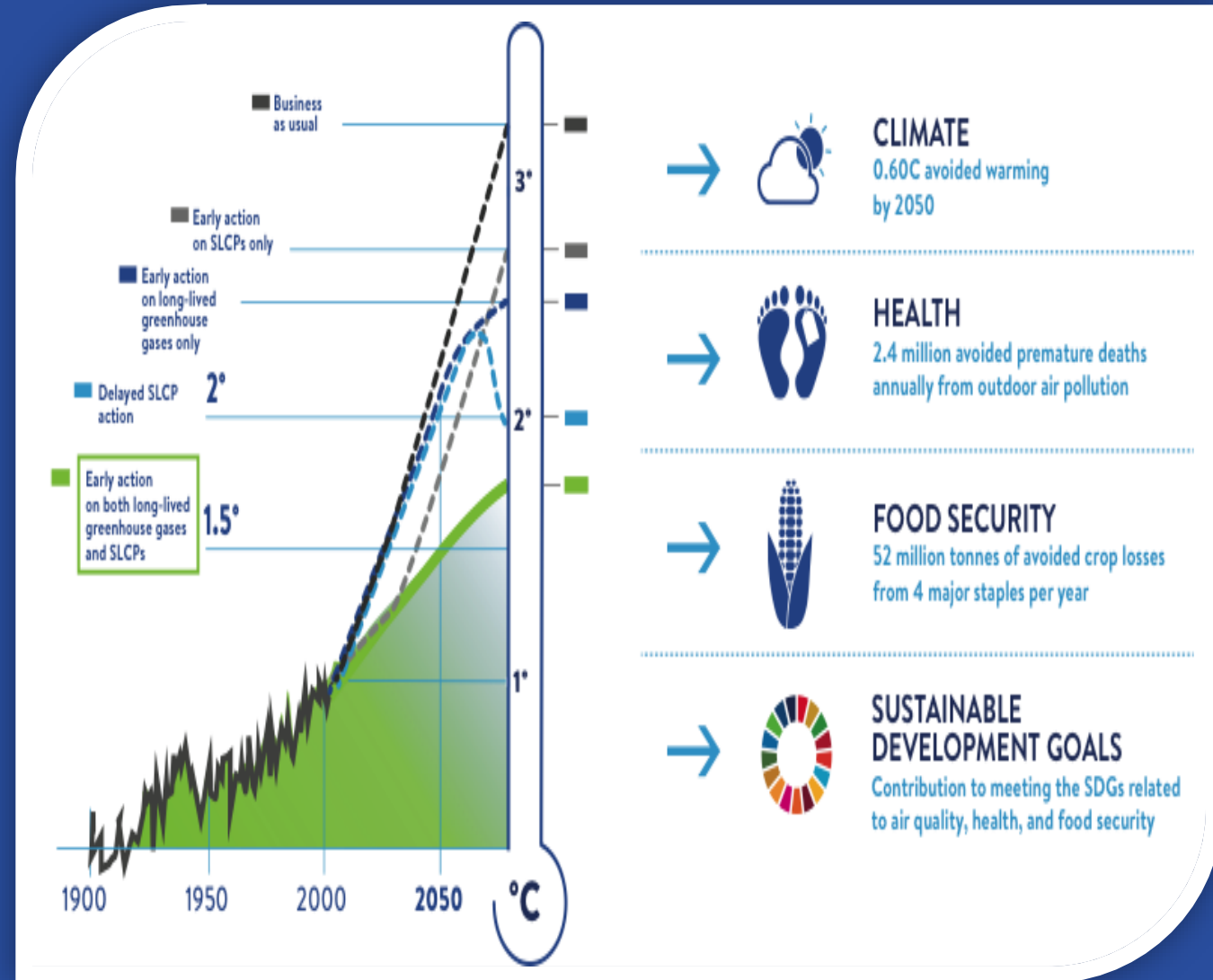
More of our cities are **cloaked in air pollution**



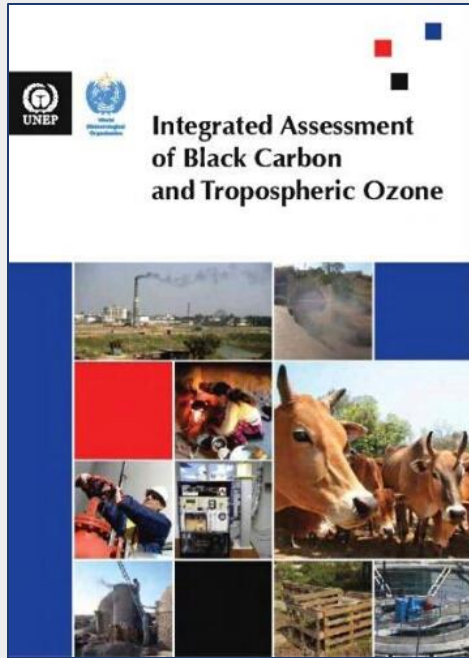
Super pollutants **provide us the best chance of avoiding the worst of the climate crisis**



Although responsible for **45% of global warming**, measures to reduce super pollutants are **under-funded, under-utilized, and under-implemented**

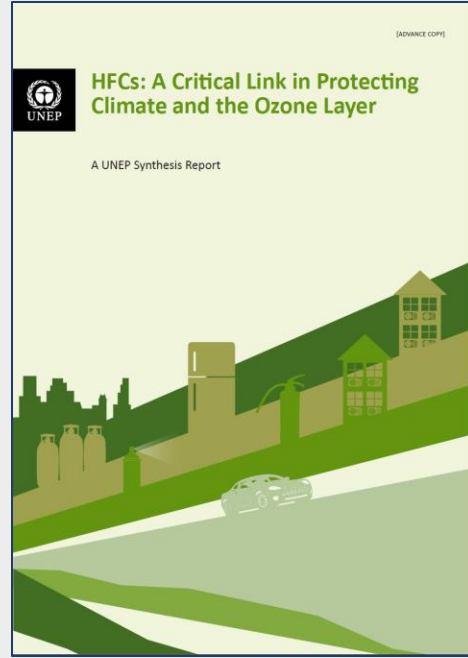


Strengthening the Case for Action



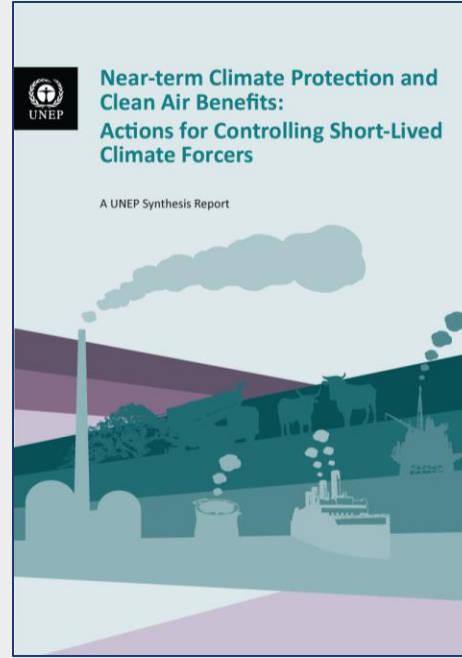
2011

Frame: Importance of methane, trop O₃ and black carbon-rich PM_{2.5} for near-term climate protection and clean air benefits



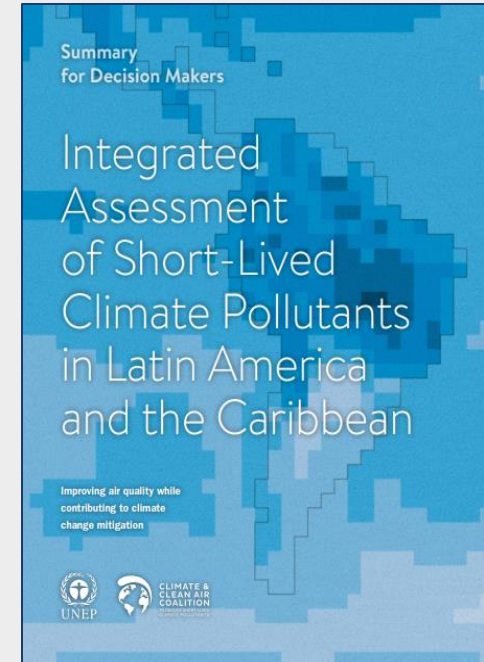
2011

Frame: Importance of HFCs for near-term climate protection with co-benefits



2012

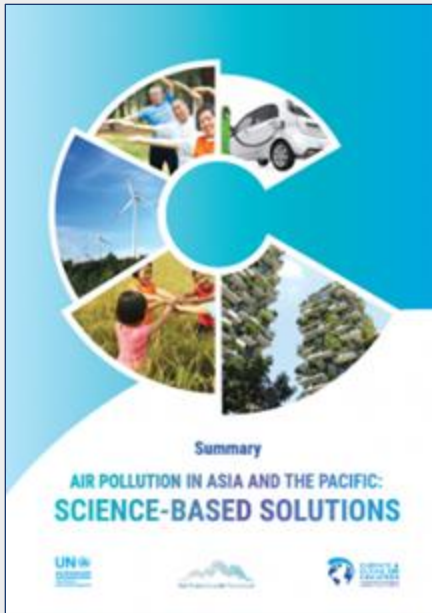
Frame: Near-term climate protection and clean air benefits



2018

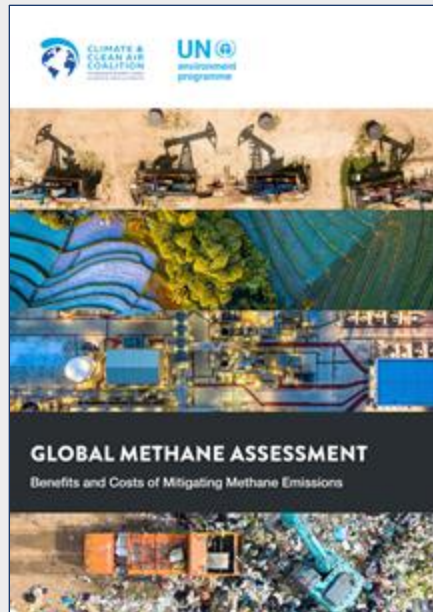
Frame: Near-term climate protection and clean air benefits

Strengthening the Case for Action



2019

Frame: Maximizing air quality benefits for climate change



2021

Frame: Maximizing co-benefits of reducing methane



2021

Frame: Short-lived climate pollutants and the economic recovery



2022

Frame: 2030 Methane baseline report



2022

Frame: Air Pollution and Climate Change for Sustainable Development in Africa

Strengthening the Case for Action

N2O

Agri-Food

Economic

2024

Global N2O Assessment

2025

*Agriculture and Food
System Assessment*

2025

*Economic Assessment
of Climate and Clean Air*



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GLOBAL N2O ASSESSMENT TIMELINE

- 24-25 June – FOD Writing Meeting
- 5 July – 26 July – Expert Review Period
- 26 July – 6 September – Finalization of text and final review by high-level expert panel
- 22-24 September – Nitrogen event at NYU and CCAC Ministerial on margin of NY Climate Week
- 31 October – Report Launch, MOP36, Bangkok
- COP29 – High-level event(s)

Global N2O Assessment Expert
Reviewer Nomination Form



How Does the CCAC Deliver?



**CLIMATE &
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Political Advocacy

Engaging leaders to showcase the importance of **addressing super pollutants, air pollution, and health**



Scientific and Integrated Approach

Engaging with the scientific community to create an approach that **integrates both climate and clean air action, and develop robust scientific work to give decision makers the confidence to act**



Country-Driven Projects

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

CCAC Projects



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Funded by **CCAC Trust Fund** with donor contributions



Funding to **50 ODA-eligible country partners**



Informed by **Expression of Interest Process & Sector Strategies**



Implemented by **CCAC Partners & Network**



Scaled-up with match-making by **identifying development agency priorities**



Global N2O Assessment Expert Reviewer Nomination Form



THANK YOU

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