



CLIMATE AND CLEAN AIR COALITION
TO REDUCE SHORT-LIVED CLIMATE POLLUTANTS

Amy Fraenkel
Director and Regional Representative
UNEP Regional Office for North America
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The Opportunity

- Pollutants with relatively short lifetimes in the atmosphere - black carbon, methane, tropospheric ozone and some HFCs – have harmful impacts on health, agriculture & ecosystems;
- These short lived climate pollutants (SLCPs) are also responsible for a substantial fraction of near-term climate change;
- Fast action to reduce SLCPs can:
 - Prevent over two million premature deaths annually;
 - Avoid crop losses of over 30mn tonnes annually;
 - Reduce regional climate impacts;
 - Cut rate of global warming by 0.4 to 0.5°C between now and 2050, almost halving temperature rise.

Key Aspects

- Leverage high-level political engagement
- Voluntary and Partner-led effort
- Light governance structure
- Building on existing efforts
- Based on sound scientific and policy analysis
- Initial focus: black carbon, methane and some HFCs
- Complementary to global efforts to reduce CO₂, in particular under UNFCCC



Coalition's Objectives

- Raise awareness of SLCP impacts and mitigation strategies;
- Enhance and develop new national and regional actions, including by identifying and overcoming barriers, enhancing capacity and mobilizing support;
- Promote best practices and showcase successful efforts; and
- Improve scientific understanding of SLCPs.





Partners

- Government-led, voluntary effort uniting governments, IGOs, NGOs and private sector entities.
- Launched in February 2012 by 6 States and UNEP at the U.S. Department of State.
- January 2013: 50 Partners [27 State Partners (including EC), 23 non-States Partners].
- All Partners have endorsed meaningful action to address SLCPs.

STATE PARTNERS

(27)

Australia	Italy
Bangladesh	Japan
Canada	Jordan
Chile	Maldives
Colombia	Mexico
Denmark	Netherlands
Dominican Republic	Nigeria
Ethiopia	Norway
European Commission	Republic of Korea
Finland	Sweden
France	Switzerland
Germany	United Kingdom
Ghana	United States
Israel	

NON-STATE PARTNERS

(23)

IGOs

UNDP
UNEP
World Bank
ICIMOD
UNIDO

NGOs

Center for Human Rights
and Environment
Center for Clean Air Policy
Clean Air Institute
CAI-Asia

Clean Air Task Force
ClimateWorks Foundation
IASS
ICCT
ICCI
Molina Center
IGSD
IISD
SEI
Global Alliance for Clean
Cookstoves
Earthjustice
IUAPPA

7 initiatives approved at the Ministerial level are underway:

Sectoral initiatives

- Reducing Black Carbon Emissions from Heavy Duty Diesel Vehicles and Engines (United States and UNEP)
- Mitigating SLCPs and Other Pollutants from Brick Production (Mexico)
- Mitigating SLCPs from Landfills and Municipal Solid Waste (Canada, Mexico, United States, and World Bank)
- Promoting hydrofluorocarbon (HFC) Alternative Technology and Standards (United States)
- Accelerating Methane and Black Carbon Reductions from Oil and Natural Gas Production (Nigeria, United States)

Cross cutting initiatives

- Promoting SLCP National Action Planning (NAP) (Mexico, UNEP, Stockholm Environment Institute)
- Financing Mitigation of SLCPs (UNEP, World Bank)



Governance Structure

High Level Assembly

- Oversees strategic direction of the Coalition

Working Group

- Oversees activities of the Coalition

Steering Committee

- Supports oversight of activities and produces recommendations to the Working Group and High Level Assembly
- Has authority on a limited number of issues

Scientific Advisory Panel

- Advises on scientific matters
- Small group, demand based

Secretariat

- Supports oversight, coordinates action
- Manages the Coalition Trust Fund

UNEP's Role

Hosts CCAC Secretariat

- UNEP Division of Technology, Industry and Economics (DTIE) provides the Secretariat (Paris, France)

Manages CCAC Trust Fund

- Approximately \$16.5 million has been pledged to the Trust Fund

Implementing partner

- UNEP is implementing activities in a number of the CCAC initiatives:
 - Heavy Duty Diesel Vehicles and Engines
 - Landfills and Municipal Solid Waste
 - Promoting hydrofluorocarbon (HFC) Alternative Technology and Standards
 - Promoting SLCP National Action Planning (NAP)
 - UNEP is supporting CCAC science and outreach efforts





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“Particulate matter affects more people than any other pollutant,” World Health Organization 2011

- World Health Organization, 2011 Small particulates (PM10 or PM2.5) are now estimated to kill at least 3.2 million people per year (HEI, 2012)
- WHO classified diesel PM in 2012 as **carcinogenic** (IARC, 2012)
- A recent study estimates that the **climate impacts of BC are twice as high** as previously thought (NOAA, 2013)



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CCAC Diesel Component

Reducing Black Carbon Emissions From Heavy Duty Diesel Vehicles And Engines

- A large share of BC emissions come from heavy duty diesel vehicles (trucks and buses)
- **CCAC objectives:** Reduce BC/PM emissions within:
 - the *freight transportation supply chain*
 - *urban areas* through city action plans
 - *countries* through policies that reduce sulphur in fuels and promote vehicle emissions standards
- Component lead by **USA and UNEP** jointly with other partners (e.g. International Council for Clean Transportation, Environment Canada)



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CCAC Diesel Component

- Under the **freight component**, we plan to upscale the US Smart Way programme, that will introduce public-private partnership programs in countries that will enhance freight energy and environmental efficiency, through reductions of diesel used;
- Under the **urban component** we will work with cities to clean up their urban fleets, such as bus fleets, including introduction of after treatment technologies, and work with ports in cities;
- And under the **national component** we will work with countries to introduce low sulphur diesel standards and heavy duty vehicles emissions standards, using a fuels – vehicles systems approach.



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THANK YOU!

FOR FURTHER INFORMATION:

www.unep.org/ccac

www.unep.org/rona