



The municipal solid waste (MSW) sector is a key contributor to emissions of short-lived climate pollutants (SLCPs), including methane and black carbon, that contribute to climate change and air pollution. Activities aimed at reducing SLCP emissions from the MSW sector can help address climate change and protect human health. The Climate and Clean Air Coalition to Reduce Short-lived Climate Pollutants MSW Initiative offers support to cities to help them improve waste management and reduce SLCP emissions.



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

- Background on CCAC
- Introduce MSWI

CCAC Municipal Solid Waste Initiative

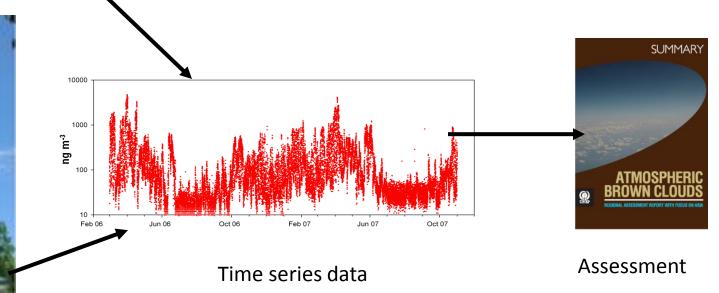
Regional 3R Forum in Asia and the Pacific, Surabaya - February 27, 2014

> Mr. Surendra Shrestha Director UNEP IETC



ABC Observatory:

an integrated network of strategically located state-of-theart surface climate observatories





The Climate and Clean Air Coalition to reduce Short-Lived Climate Pollutants

- UNEP and Science of Short-lived Climate Pollutants (SLCPs)
- SLCP Scientific assessments: significant impacts on
 - human health
 - agriculture and food security
 - water budget
- Establishment of CCAC: complimentary to UNFCCC process, Voluntary, Feb 2012 -> 7 Partners: Feb 2014 -> 80 Partners(36 Countries and 44 IGOs, NGOs & private sector)





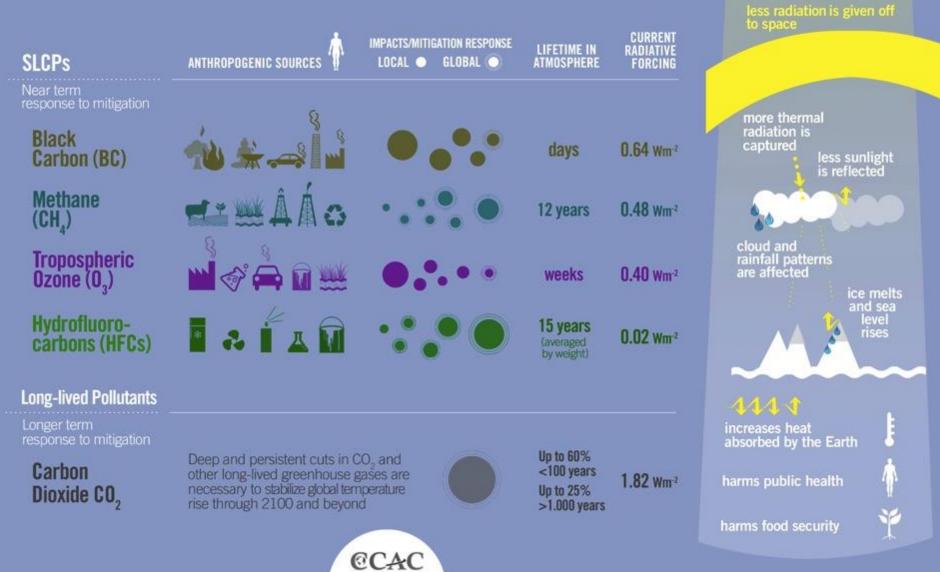
CCAC Initiatives

Catalysing Action: 10 Initiatives underway 2013

Heavy Duty Diesel Vehicles and Engines	Municipal Solid Waste Sector	Brick Production	Promoting HFC Alternative Technology and Standards	Oil And Natural Gas Production
Household Cooking and Domestic Heating	Financing Mitigation of SLCPs	Supporting National Planning for Action on SLCPs (SNAP)	SLCPs Regional Assessm ents	Agriculture



What are Short-Lived Climate Pollutants (SLCPs)?



IMPACTS

atmosphere



MOTIVATION – triple imperative

to reduce short-lived climate pollutants

Health- premature deaths

- By indoor air pollution 3.5 million annually
- By outdoor particulate pollution 3.2 million annually

Agriculture

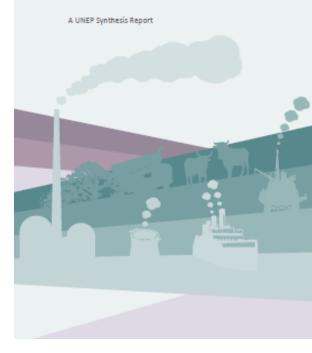
- Loss of crop yield from ground level ozone
- wheat, soybean, rice, maize.. 50 m tons lost

Water Budget

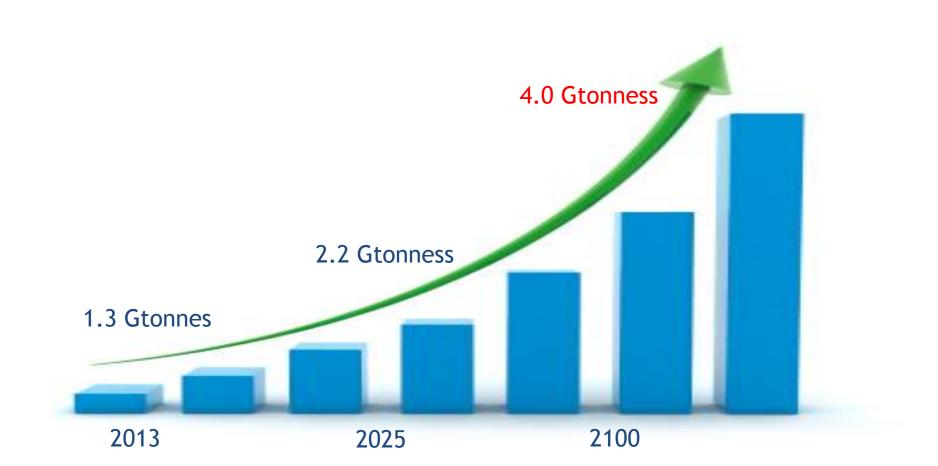
- BC and O_3 impacts rainfall regional circulation patterns
- BC darkens snow and ice, exacerbating melting



Near-term Climate Protection and Clean Air Benefits: Actions for Controlling Short-Lived Climate Forcers









The Municipal Solid Waste Initiative

Overall Objective: foster partnerships, political will and technical capacity that directly support cities to take lasting action to reduce short-lived climate pollutants from their waste streams, and replicate and scale up through national policies.

The 8 Lead Partners: Government of Canada Government of Japan Government of Mexico Government of U.S. C40 Cities Climate Leadership Group International Solid Waste Association The World Bank United Nations Environment Programme



States Environmental Protection Agency



INSTITUTO NACIONAL DE ECOLOGÍA Y CAMBIO CLIMÁTICO



Efforts to tackle the largest sources of emissions from waste:

- 1. Reduce waste generation
- Institute organic diversion for composting and/or anaerobic digestion
- 3. Institute recycling programs
- 4. Address open burning
- 5. Use landfills as final disposal options
- 6. Enhance landfill operations promote methane recovery
- 7. Improve waste collection

The work of the Initiative:

Tools to identify and quantify SLCPs

Technical assistance

Peer-to-peer support + Knowledge Platform

Linking Local and National Actions

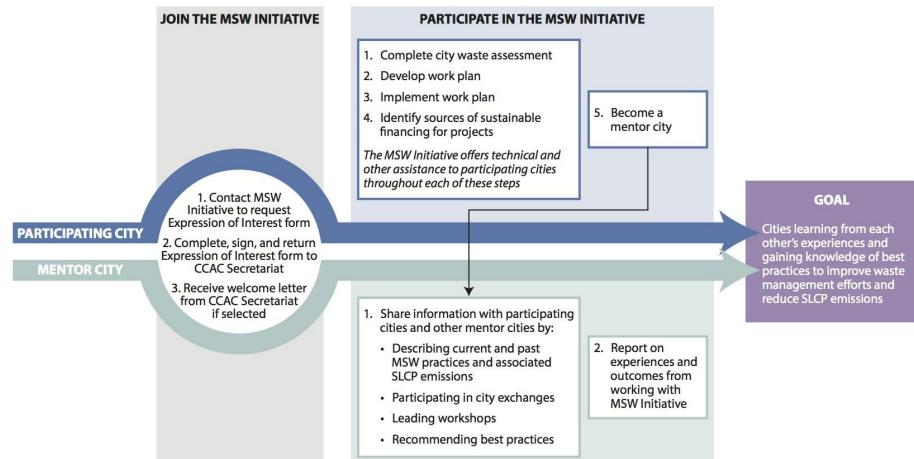
Platform for leadership



Participation in the MSW initiative

Aim: bolster cities' capacities to improve waste management through three main activities :

- Assessing & Implementing
- Capacity Building
- Convening





HOME EXCHANGE PLATFORM

M RESOURCES

LOGIN

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MITIGATING SLCPS

from the waste sector is critical to addressing climate change in the near term

Welcome to the CCAC MSW Knowledge Platform: a tool to share and exchange information and provide outreach resources to support cities and governments to reduce short lived climate pollutants

What Cities are Doing Find out how Cities manage their MSW and what they are doing to improve their practices	Take Action Become involved and take action to reduce the impact of waste on climate change	Ask an Expert Have your questions about all aspects of MSW answered by a select specialist in the field	Announcements New outreach material available on Knowledge Platform Jan 13, 2014 Two new pieces of waste legislation for New York City Dec 19, 2013 CCAC MSW Initiative Newsletter Dec 16, 2013 Cuestionario sobre cursos de aprendizaje en línea Nov 26, 2013 Online learning survey Nov 26, 2013
IN Document Library Search an extensive online library for key information on MSW best practices	Database Directory Search through key databases to access a wealth of relevant information and resources on MSW	Discussion Forum Take part in the discussion by sharing your experiences, expertise and knowledge	

http://waste.ccac-knowledge.net/



More info – new website http://www.unep.org/ccac/

Home About Initiatives Partners Scientific Advisory Panel Short-Lived Climate Pollutants Publications Events Media How to Join



The first global effort to treat short-lived climate pollutants as an urgent and collective challenge.

The Climate and Clean Air Coalition to Reduce Short-Lived Climate Pollutants is encouraging rapid reductions in black carbon (or soot), methane and many hydrofluorocarbons to protect human health and the environment now, and to slow the rate of climate change within the first half of this century.

COP19, Warsaw, Poland, 11-22 November 2013

Coalition of the Working



Clean Air in Every Breath By Marit Viktoria Pettersen, Senior Advisor, Ministry of Foreign Affairs, Norway

Tweets

CVC	Climate & Clean Air	14 Jan
	CCACoalition	10000000

In Focus



Webinar Presentation

Green Freight Goes Global: Moving Toward a Global Action Plan

Join us for a special webinar to learn about and engage with the

Climate and Clean Air Coalition (CCAC) as it prepares to develop a Global Green Freight Action Plan. The Coalition encourages the implementation of public-private partnerships, like SmartWay in other countries and also seeks to foster global cooperation on green freight. Multinational shippers and cargo owners, freight carriers, third-party logistics companies and other stakeholder are invited to join CCAC in its effort.

Date: January 22, 2014 Time 11:00 AM EST (United States) Webinar Registration

Latest News



21 November 2013 Press Release: Dozens of Ministers of the Climate and Clean Air Coalition Celebrate First Successes and Enhance Actions



15 November 2013 WHO: Reduce short-lived climate pollutants



04 November 2013

New Report Supports Need for Immediate Cuts in Short-Lived