



**CLIMATE &  
CLEAN AIR  
COALITION**  
TO REDUCE SHORT-LIVED  
CLIMATE POLLUTANTS

FAST ACTION • QUICK RESULTS • MULTIPLE BENEFITS

# WELL-MANAGED CITY WASTE WITH CLIMATE AND HEALTH BENEFITS

## INITIATIVE

Our Municipal Solid Waste Initiative enables cities, with the support of their regional and national governments, to reduce air pollution and climate emissions, including short-lived climate pollutants (SLCPs).

This delivers local environmental, economic and health benefits, while at the same time helping to reduce the rate of warming in the near-term.

## WHY WE DO THIS WORK

Municipal solid waste is the third largest source of anthropogenic methane emissions globally. It is also a significant source of black carbon, contributing to local air pollution.

For many cities, the growing waste burden is becoming increasingly difficult to manage, and is leading to deleterious impacts on human health and the environment.

The waste problem is most severe in urbanizing regions and developing countries, where collection and disposal services do not exist or cannot cope with increasing amounts of waste.

## HOW WE WORK

Our group of experts and policymakers assist governments to develop waste management plans, assessments, feasibility studies, and identify financing options. We tailor our approach to a city's needs with a mix of:

- Technical assistance, training and capacity building
- Tools to identify locally-suited solutions and track emissions
- Peer-to-peer learning and city mentoring.
- Information exchange to share best practices and successes

Our open-access “Knowledge Platform” provides resources such as case studies and guidance documents

## AREAS OF FOCUS:

PROVEN SOLUTIONS THAT WILL REDUCE EMISSIONS FROM THE SECTOR AND LEAD TO CLEANER, MORE SUSTAINABLE CITIES:



**METHANE**  
Minimizing food waste sent to landfills



**METHANE**  
Capturing landfill gas for energy



**BLACK CARBON**  
Promoting alternatives to open waste burning prevention

## EXAMPLE OF OUR WORK IN NAIROBI, KENYA

In Kenya, we supported the development of a National Solid Waste Management Law that will create an enabling national framework and facilitates country-level waste regulation and practices.

In Nairobi we have implemented activities that will generate a range of environmental, economic, and public health benefits.

For example, we set up an exchange programme with eThekweni (Durban), South Africa, to learn about their waste management.

This prepared the city to implement practical steps, including the use of cover material, and training for uncontrolled pickers and site operators. The city is making preparations to close and rehabilitate its open dump.



GLOBALLY, AN ESTIMATED

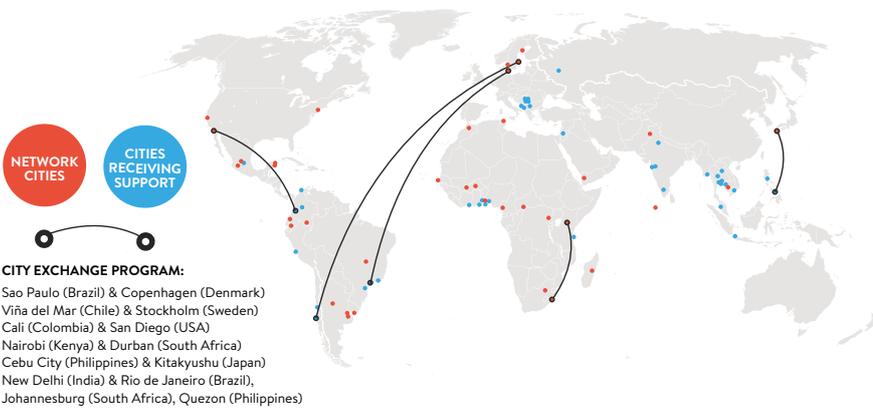
# 40%

OF WASTE IS OPENLY BURNED, RELEASING HARMFUL DIOXINS, FURANS, AND BLACK CARBON INTO THE ATMOSPHERE.



### CCAC MUNICIPAL SOLID WASTE NETWORK

The Municipal Solid Waste initiative brings together cities, governments, organisations, and the private sector to take action on SLCPs from the waste sector.



## PROGRESS

**30 city** baseline waste assessments and **16 city** waste management work plans completed

**5** training and networking events attended by **70 cities** total

**Created** the City Assessment Tool, OrganEcs - Cost Estimating Tool for Managing Source-Separated Organic Waste, Solid Waste Emissions Estimation Tool, Landfill Gas Project Screening Tool, and financing assessment tools

**Created** a results-based funding mechanism for Penang, Malaysia that is being adopted elsewhere

## HOW CAN YOU HELP

Many cities are seeking our assistance to replicate this work. With your funding we can help more cities and countries develop SLCP-mitigating waste management plans.

Funders and organisations are also encouraged to engage with us to implement the plans we support through development cooperation partnerships.



**MORE INFORMATION:**  
[ccacoalition.org/waste](http://ccacoalition.org/waste)



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