

MUNICIPAL SOLID WASTE INITIATIVE

TOOLS AND RESOURCES

For Mitigating Methane and Black Carbon from the Municipal Solid Waste Sector

The Climate and Clean Air Coalition (Coalition) Municipal Solid Waste Initiative (Waste Initiative) unites national and local governments, international organisations, and other partners to reduce emissions of short-lived climate pollutants (SLCPs), such as methane and black carbon, from the municipal solid waste sector. The Waste Initiative provides cities and other stakeholders with access to a wide range of tools and resources to assist them in this effort.

The [Municipal Solid Waste Knowledge Platform \(www.waste.ccacoalition.org\)](http://www.waste.ccacoalition.org) is the Waste Initiative's central repository for these tools and resources. It is regularly updated with new information. The Knowledge Platform's key features and contents are summarised in this document.

CITY PROFILES

The cities that are participating in the Waste Initiative are profiled on the Knowledge Platform (www.waste.ccacoalition.org/participant). Users can find information about dozens of cities' waste management practices, activities implemented under the Waste Initiative, project outputs, and stakeholder contact information.

DOCUMENTS

Users can search for various documents related to solid waste management (www.waste.ccacoalition.org/document).

- **Guidance materials** (e.g., Guidance on the Operation of Organic Waste Treatment Plants)
- **Strategies** (e.g., Environmental Communication Strategy for Municipal Solid Waste Management in Sao Paulo, Brazil)
- **Reports** (e.g., Sustainable Financing and Policy Models for Municipal Composting)
- **Fact sheets** (e.g., Improving Waste Management to Address Climate Change and Protect Human Health)
- **Case studies** (e.g., Economic Instruments for Solid Waste Management in Maputo, Mozambique)



Guidance developed by the Waste Initiative for implementing organic waste management projects at schools.



Case study of Penang, Malaysia's work with the Waste Initiative.



TOOLS

The Knowledge Platform provides access to a range of tools and models (www.waste.ccacoalition.org/tool), several of which were developed by Waste Initiative partners. Examples include:

- **City Assessment Tool:** This data collection tool guides cities through the process of collecting robust waste management data.
- **OrganEcs:** This tool assists cities in estimating the costs associated with organic waste management projects.
- **Solid Waste Emissions Estimation Tool (SWEET):** This tool quantifies SLCP emissions from various sources in the municipal solid waste sector, and compares emissions reductions from different scenarios.
- **Emissions Quantification Tool (EQT):** This life-cycle analysis tool helps cities calculate and visualise SLCP emissions impacts from waste management practices and projects, and helps cities identify priority areas for improvement.
- **Landfill Gas Project Screening Tool:** This tool assists cities in determining whether their dumpsite/landfill could support a landfill gas energy project (e.g., electricity generation).
- **Financing Assessment Tools:** These tools help cities understand financing options for improvements to their solid waste management systems.

DATABASES

Users can access a wide range of databases, information clearinghouses, and other compilations of resources from the Knowledge Platform (www.waste.ccacoalition.org/database) (e.g., database of waste-related statistics from the Organisation for Economic Cooperation and Development).

EVENTS

The Knowledge Platform provides information about upcoming and past events related to improving solid waste management (www.waste.ccacoalition.org/event). These include:

- **Waste Initiative meetings**, such as events hosted by the initiative's regional networks and topic-specific workshops (e.g., financing for solid waste management)
- **International conferences** related to solid waste management, climate change, and sustainability
- **Training sessions**, such as online courses hosted by Waste Initiative partners.



Participants discuss opportunities for improving organic waste management during a breakout session at a Waste Initiative workshop in Novi Sad, Serbia.

WEBINARS

The Waste Initiative offers free webinars on topics related to solid waste management (www.waste.ccacoalition.org/seminar). The Knowledge Platform provides information about upcoming webinars and recordings of past ones. Examples of past webinar topics include:

- Establishing Sanitary Landfills
- Closure and Rehabilitation of Open Dumps
- Leading Examples of Municipal Solid Waste Collection Services around the World
- Key Factors for a Successful Municipal Solid Waste Collection Service
- Overview and Practical implementation of Organics Waste Treatment Options.

ABOUT THE COALITION

The Climate and Clean Air Coalition to Reduce Short-Lived Climate Pollutants (Coalition) is a voluntary global partnership of governments, intergovernmental organisations, business, scientific institutions and civil society committed to catalysing concrete, substantial action to reduce SLCPs (including methane, black carbon and many hydrofluorocarbons). The Coalition works through collaborative initiatives to raise awareness, mobilise resources, and lead transformative actions in key emitting sectors.

MORE INFORMATION

www.ccacoalition.org/en/initiatives/waste

✉ ccac_secretariat@unep.org

🐦 [@CCACoalition](https://twitter.com/CCACoalition)

📘 facebook.com/ccacoalition