

Brazilian Urban Areas

EPA is collecting data on municipal solid waste management practices and landfills for urban areas in Brazil. While EPA intends to collect data for as many urban areas as possible, cities currently being studied include:

- Rio de Janeiro
- São Paulo
- Brasilia
- Salvador
- Belo Horizonte
- Fortaleza
- Recife

Collaborative Exercise

EPA seeks assistance from city, state, and national government agencies and researchers in Brazil. We are interested in working collaboratively to obtain data and intend to share the database with all stakeholders and interested parties.



Database on Urban Solid Waste Management



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Project

The United States Environmental Protection Agency (EPA) is developing a database on municipal solid waste management practices in India, China, Brazil, Mexico, South Korea, South Africa, and select Sub-Saharan countries. EPA is seeking data on municipal solid waste generation, collection, composition, and disposal in key urban areas of these countries.

Purpose

The purpose of this information collection exercise is to fill data gaps and provide a user-friendly and searchable database to be shared with all stakeholders. EPA believes that the database will be extremely useful at local, national, and international levels for informed decision-making when setting policies, identifying sustainable development projects, planning methane recovery projects, developing greenhouse gas emissions inventories, and conducting comparative analysis of solid waste management practices in urban areas. The EPA is particularly interested in information on landfills. It is believed that 80 percent of waste in some of our target countries is landfilled.

Sources of Information

The development of the database involves a multi-stage process allowing us to identify all relevant data sources, to obtain comprehensive and relevant data sets, and to ensure data quality. The database is being developed by:



- Reviewing existing literature (e.g. publications and database from academic, nonprofit and multilateral organizations, such as the World Resources Institute, UN Environment Programme, UN Development Programme, UN Habitat, World Bank, and regional development banks).
- Building on information from current local, state, national, and international projects.
- Conducting on-site research with stakeholders and waste management experts in our target regions.

Specific Data

Information on Locality:	
<ul style="list-style-type: none"> • Municipality • Population served 	<ul style="list-style-type: none"> • Select climate and economic factors
Municipal Solid Waste Data (City Level):	
<ul style="list-style-type: none"> • Total amount of waste generated • Per capita waste generated • Composition of waste 	<ul style="list-style-type: none"> • Proportion of waste formally managed • Number of landfills / open dumps
Landfill Data:	
<ul style="list-style-type: none"> • Type of ownership (public/private) • Name of owner & contact information • Name of operator organization & contact information • Landfill category (open dump site, controlled landfill, sanitary landfill) • Area of landfill • Average depth of landfill 	<ul style="list-style-type: none"> • Landfill capacity • Existing amount of waste / filling status • Composition of existing waste • Gas management • Landfill management (liners, covers, leachate collection, leachate treatment) • Annual waste acceptance • Opening & projected closing year