# Waste Management Outlook for Latin America

## Latin America and the Caribbean

**Summary for Policy-Makers** 





### **Key Facts**

## 1 kg/day

of waste generated on average by each inhabitant in the region

# 541,000 tons/day

of municipal waste are generated in Latin America and the Caribbean, a figure that will increase at least

**25%** by the year 2050

Million

people lack access to waste collection

145,000 tons/day

> of waste are still disposed in open dumpsites, including

17,000 tons/day

of plastic waste.

**50%** 

of municipal waste is organic

of waste are not utilized

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Summary for Policy-Makers **Key Messages** aste generation. in Latin America and the Caribbean s steadil nereasing Based on the information gathered, it is estimated and clearly unsustainable consumption and that in 2014 the generation of municipal waste production patterns linked to linear economics, in Latin America and the Caribbean was are some of the drivers leading to the persistent increase of waste generation in the region. Under the current generation rate (regional average of 1.04 Kg/inhabitant-day), by the year 2050, this figure could reach The study also reveals the 671,000 tons/day. direct relation between per capita income and waste Global phenomena such as population growth, generation, which suggests the increasing trend towards urbanisation (80 % in Latin America and the Caribbean), economic that increase in the latter growth, a significant amount of people lifting out could be possibly higher. of poverty and joining an emerging middle class,

# A regular and reliable waste collection service for the entire population is required



Alejandro Alonso



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Nevertheless, on a regional level, over

## 35,000 tons per day

remain uncollected, which has an impact on more than

## 40 million people (7 %).

This affects the population in marginal areas –usually impoverished– and some rural areas.

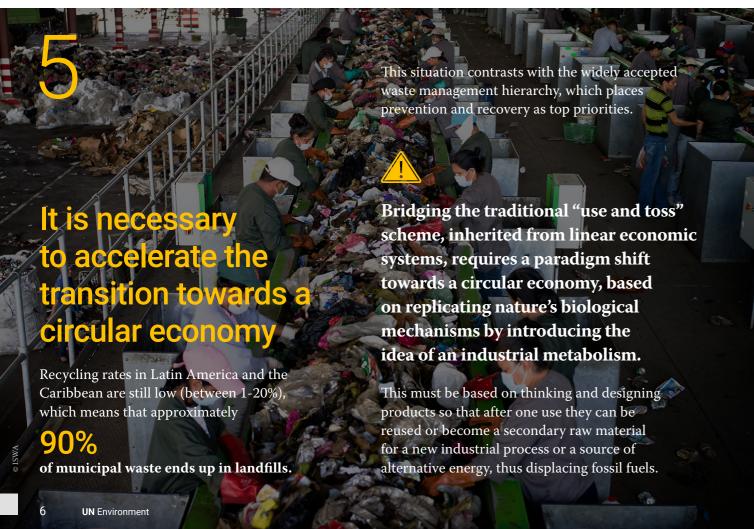


Countries in the region show a quantitative and qualitative improvement in the collection of generated waste, **covering 93 % of the population**, being the municipal direct service the most common modality of service. Coverage may significantly vary between countries in the region and according to the size of cities.

To overcome these deficiencies, a 100% collection rate must be reached in all generated waste streams, both in rural and urban areas.













tavo Solórzano. © Se

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# Coherent and effective governance models are required to ensure integrated waste management

Waste management governance implies having a system that aims at the **best possible management** for a given context. The system should also determine its rules or principles and the tools needed to achieve set objectives.



The countries in the region are known for their weak institutional operation, partly due to overlapping regulations that grant concurrent jurisdiction to different sections within the government and make environmental regulations hard to apply.

From a legislative perspective, an important step would be to clarify the concept of **circular economy** as the backbone of legal systems.

The same criteria would include the **extended producer responsibility principle,** essential to the transition process into the new paradigm. This principle can already be observed in about one third of the countries in the region, yet much work is still to be done in order to effectively consolidate it in regulations and in its practical application.

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# Special waste streams are not managed adequately

Some waste streams – particularly hazardous wastes, hospital waste, construction and demolition waste, food waste and electrical and electronic equipment waste– are not properly treated. In some cases, they are not even duly inventoried and characterized.

Some progress has been made in adopting specific legislation for these types of waste, but due to lack of control or absence of treatment plants, an undetermined fraction is not properly managed, which frequently ends up in dumpsites, with risky and improper handling processes.



It is therefore necessary to strengthen and ensure the enforcement of the legal framework, to establish specific programmes for these streams, and to encourage the installation of adequate treatment plants.



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# Progress is needed in the formalization and recognition of informal recycling



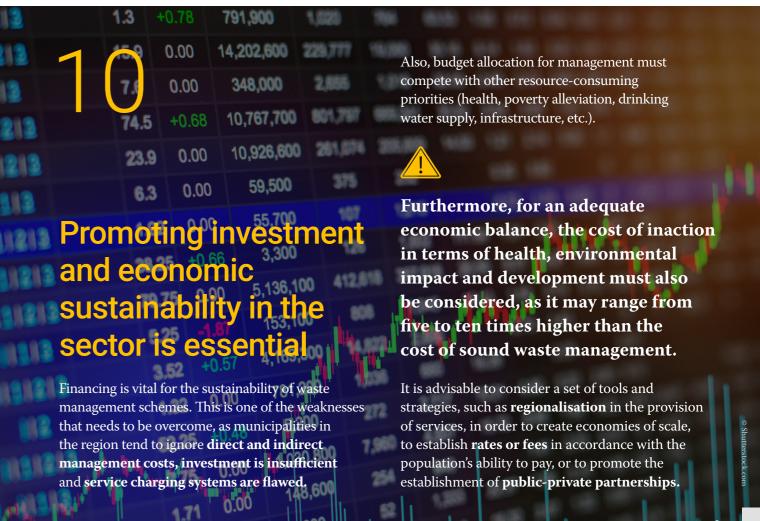
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The substantial presence of informal waste pickers across Latin America and the Caribbean region is worth noticing. Although official data is not available, it is acknowledged that the work of waste pickers increases recycling rates in the region significantly.

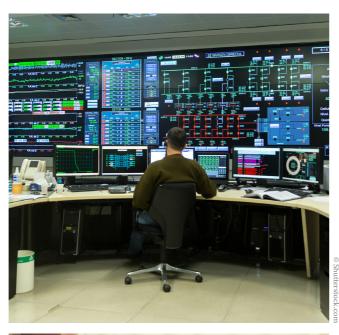


Despite having been recognized by the legal system in several countries in the region, professionalization and formalization of the informal sector is yet to take place. This would contribute to productivity, and especially, it would promote the protection of health and children, as well as the access to dignified employment.





Generating data and information to understand and improve waste management systems







The lack of information in most countries in the region is of key importance.

Creating **systematic collection**, **processing and analysis of data** is crucial for supporting decision-

making processes, as well as evaluation, control and improvement of waste management systems.

Information on generation and collection of municipal solid waste is generally available, but there are difficulties to integrate data between national and local levels, as well as between countries; this is due to the lack of harmonization of waste generation and management indicators.

This is particularly urgent in waste streams such as hazardous wastes, hospital waste, and construction and demolition waste, among others.



Waste management policies and systems must answer to a complex reality, taking into account the urgent need to prevent impacts associated with poor management practices which dominate the region, while maximizing the benefits on health and the environment which result from a sound waste management model and the efficient use of resources.



To this end, it is necessary that governments in Latin America and the Caribbean give adequate political priority to this issue.

This political decision implies the design and implementation of sound public policies and strategies, the creation of institutional support with proper legal frameworks, the use of duly financed available technologies with social inclusion and participation, and the use of management indicators and education and dissemination plans which contribute to its integration and sustainability.

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