

‘The Private Sector’s Roles in Improving Municipal Waste Management to Mitigate Climate Change’

Amrita Sinha Kataria

Sustainable Solid Waste Systems Network Manager

C40 Cities Climate Leadership Group

asinha@c40.org



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Cities are engines of growth and innovation AND vulnerable to the effects of climate change



- **1.4 million people** move to cities each week
- More than half of the world's population live in cities – **70% by 2050**
- **85%** of global GDP
- BUT cities represent **70% of global CO2** emissions
- **500** of the world's largest cities will deliver 60% of global economic growth to 2030
- **98%** of cities are vulnerable to the impact of climate change
- **70% of C40 cities** report they are experiencing the effects of climate change

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91 of the world's leading megacities working together to tackle climate change



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Deadline 2020: The first significant roadmap for turning the Paris Agreement from aspiration into action



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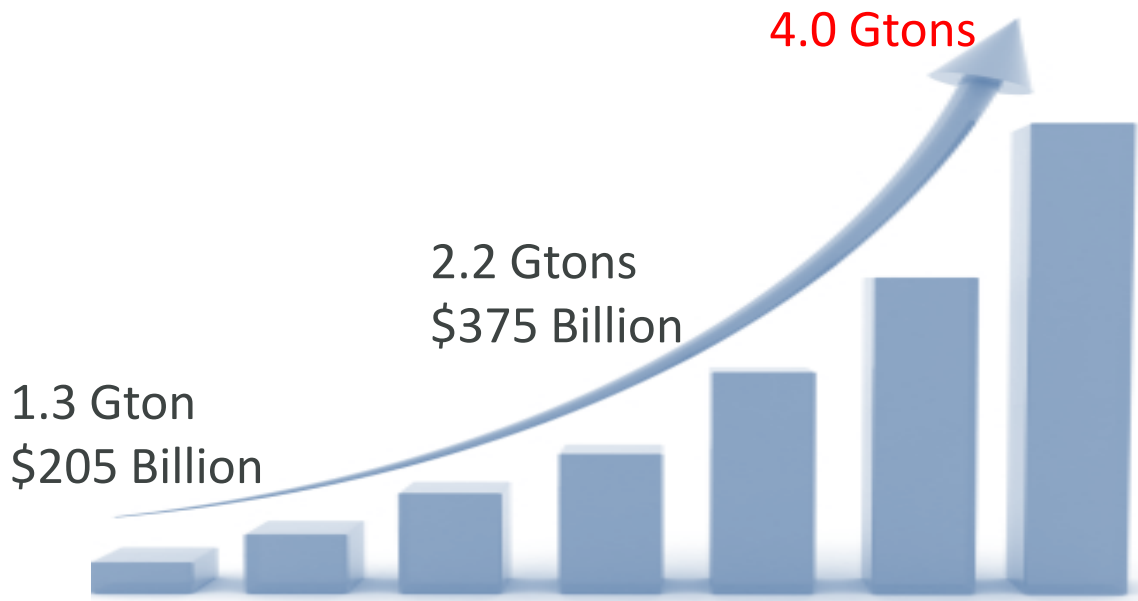
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Why Waste?

Solid waste generation is increasing **faster** than any other pollutant, including CO₂.



THE WORLD BANK

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Methane (CH₄)

Methane emissions caused by human activities are one of the most significant drivers of climate change. Methane is also the main precursor of tropospheric ozone, a powerful greenhouse gas and air pollutant.

25%

of current global warming

87

times more powerful than CO₂ over a 20-year period



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

LIFETIME IN ATMOSPHERE
12 years

C40 CITIES



CH₄ is a powerful GHG contributing to global warming

IMPACTS

Globally, increased methane emissions are responsible for half of the observed rise in O₃ levels



While methane does not cause direct harm to human health or crop production, its role as precursor gas contributes greatly to the health and agricultural impacts of O₃




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The Waste Iceberg



It is estimated that for every kg of waste that we discard, 70 kgs are created upstream in mining, manufacturing, packaging, etc.

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The Opportunity

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THE SITUATION

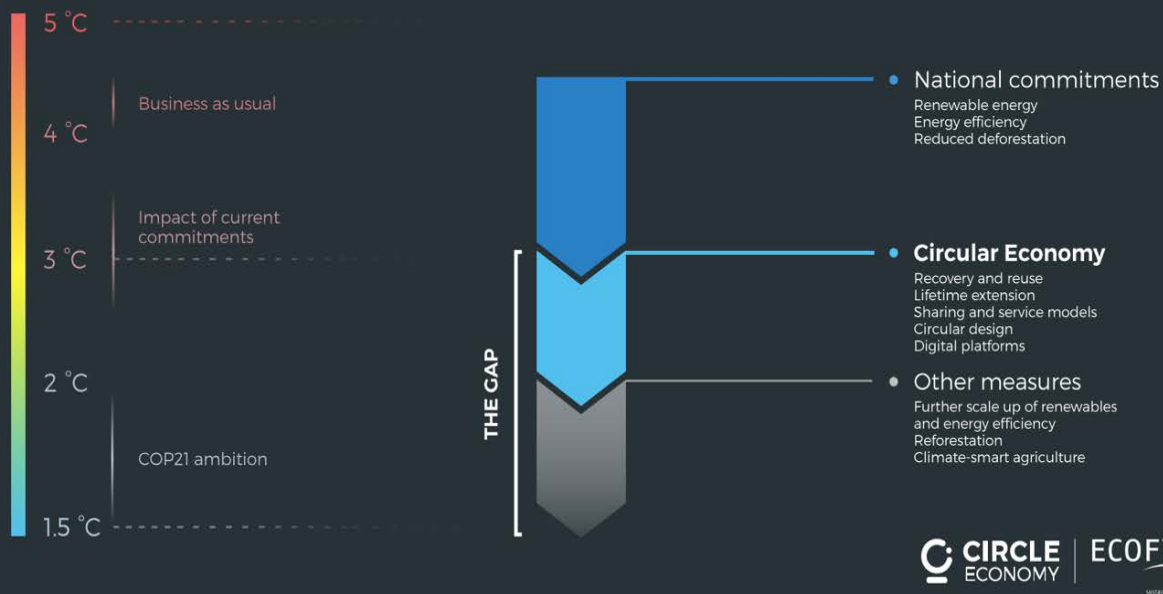
Under a business as usual scenario, the global temperature by 2100 will be more than 4°C above pre-industrial levels

THE END GOAL

To limit temperature rise to 1.5°C, we need to cut greenhouse gas emissions from 65 to 39 billion tonnes CO₂e per annum by 2030

THE SOLUTION

Current national commitments achieve about half of the required emissions cuts. Circular economy may fill about half of the remaining gap



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C40 Business Engagement Strategy



“in order to make the goals of the Paris Climate Agreement a reality, cities and businesses must collaborate”

C40 #together4climate

- **The Power of Combined City and Business Dialogue**
 - *#together4climate bringing Business Leaders and Mayors together*
- **Shared Goals through Aligned Commitments and Targets**
 - *Working with CDP and We Mean Business to integrate climate action*
- **Innovative Climate Solutions for Cities Developed by Business**
 - *City Solutions Platform - bringing global and local businesses together to co-create climate solutions*
 - *C40 NUMA DataCity - Engaging local start up eco systems to provide data driven climate solutions*

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Why private sector in MSW?

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CITIES

COP23 FIJI
UN CLIMATE CHANGE CONFERENCE
BONN 2017



Funds availability through private sector investments;



Improved efficiencies through competitive environment, wherein many players compete to offer best services to win the project



Superior project delivery through introduction and promotion of more output focused contracts;



Introducing technical innovation in waste treatment and disposal projects

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Thank you

Amrita Sinha Kataria

**Sustainable Solid Waste Systems
Network Manager**

Available at: asinha@c40.org

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