



Session 2: Innovative Policies and Programs to Reduce and Divert Organic Waste from Landfills

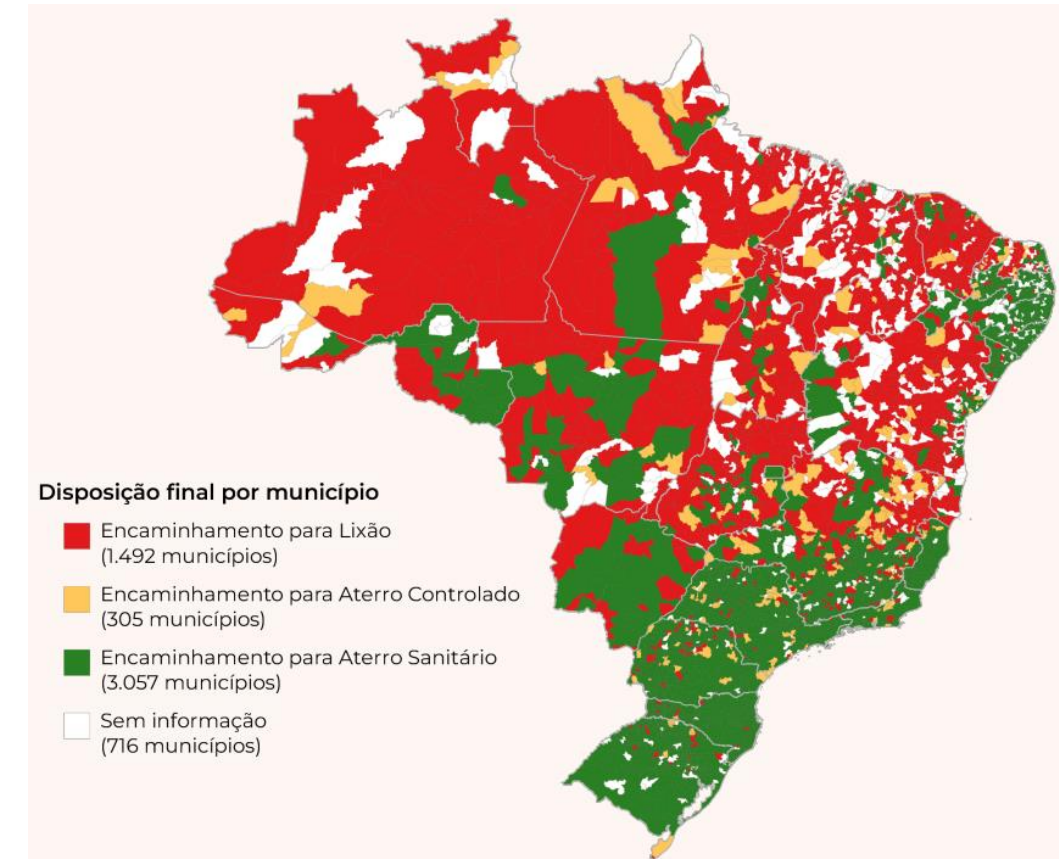
Regional Workshop “Accelerating Climate Action: Methane Mitigation in Waste Management”

Brazil

March 4th

Overview

- 78 million annual tonnes of municipal solid waste (MSW)
- Waste is the second-largest source of methane emissions in Brazil (16% of the total)
- Generation 77 kg of foodwaste each person per year
- Less than 1% of agriculture uses fertilizer derived from waste
- 17.53% of waste is disposed of in open dumps



National framework

- National Solid Waste Policy (PNRS) – Law No. 12,305 (2010)
- National Solid Waste Plan (2022)
- Reverse Logistics decrees and sectoral agreements (2020–2025) – packaging, electronics, lamps, others
- Recycling Incentive Decree n. 12,106 (2024) – tax reduction to support investment in recycling projects
- Law n. 14,993 (2024) - foster the use of biomethane
- National Circular Economy Plan (2025)
- National Plan for Reduction and Recycling of Organic Waste (PLANARO) (2025)
- National Plan for Mitigation of Emissions from the Waste Sector (2025)



How to scale composting nationwide?



- Low operating-cost projects, at the same cost as—or cheaper than—landfilling
- Expanded participation of large waste generators - (generation above 200 liters per day) (25% of the waste mass in Brazil and 2 million companies)
- Federal funding for municipalities
- Payments for ecosystem services (PES)
- Structuring cooperatives for the management of organic waste

The main challenges and barriers

- Adjust municipalities contracts – less landfilling and more recycling;
- Ensuring project continuity beyond the experimental and pilot phases;
- Source separation of organic waste – at least three portions (organic, reject and, dry);
- Farmers' lack of trust in the quality of organic compost;
- Lack of PAYT (Pay-As-You-Throw) mechanisms.



Thank you!

Eduardo Rocha Dias Santos
Solid Waste Management Department
Ministry of Environment and Climate Change
Brazil

eduardo.dias@mma.gov.br

+55 61 99309-4799