

# LOWERING ORGANIC WASTE METHANE (LOW-METHANE)

supporting ambitious subnational waste methane reduction

LOW-METHANE PORTFOLIO | OCTOBER 2024

## Lagos, Nigeria

This LOW-Methane Portfolio summarizes Lagos' overall targets for ambitious methane reductions in the waste sector, priority goals, and current and proposed lines of action. It is subject to further change as this work evolves. This portfolio is intended to serve as a basis for discussions about next steps, including with partners who are exploring providing additional support to the Lagos team to advance this work.

### TARGETS



To advance Nigeria's Nationally Determined Contribution and National Action Plan to Reduce Short-Lived Climate Pollutants, as well as the Lagos Climate Action Plan and Lagos' Pathway Towards Zero Waste Commitments, **Lagos' principal LOW-Methane target is to reduce waste disposal methane emissions at least 30% by 2030.** In addition, Lagos has a target of treating at least 30% of organic waste by 2030, as well as 2050 targets of diverting 50% of organic waste to composting, reducing open dumping and burning of organic waste by 50%, and achieving landfill gas capture rates of 20%.

### PRIORITY GOALS & LINES OF ACTION



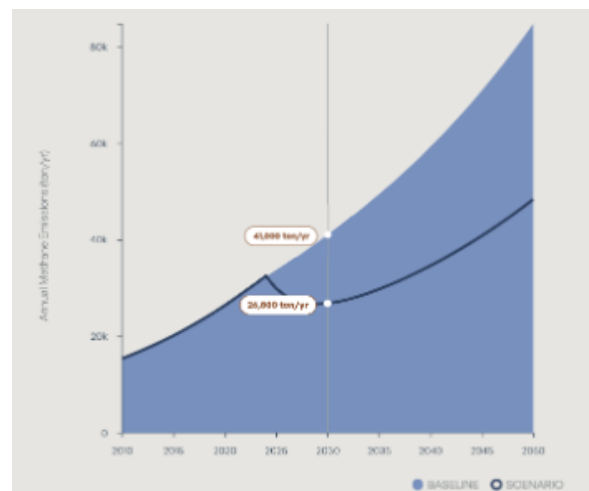
To make rapid progress toward these targets, Lagos has identified two priority goals, each with three lines of action:

#### 1. Increase Capacity for Organic Waste Treatment to 2,000 tonnes per day by 2030

- Implement organic waste collection in 20 food markets and other large generators by 2030
- Improvement and increase of waste treatment capacity to treat 2,000 tpd by 2030, in public or privately owned or operated plants
- Conduct a value-chain-based organic waste management plan

#### 2. Decommission 5 Existing Dumpsites by 2030

- Decommission 4 dumpsites by 2030
- Accelerating the decommissioning of Olososun dumpsite
- Commission a new sanitary landfill with LFG capture by 2030 (at least 50% of waste generated).



Projected Impact of Priority Goal 1 on Lagos waste methane emissions: reduction of 13,300 t/year by 2030

### PROJECTED EMISSION IMPACT



Based on analysis conducted by LOW-M partners, lines of action outlined above can deliver **24,900** tonnes of annual methane reduction by 2030.

### PROJECTED CO-BENEFITS

The goals and lines of action outlined above will create good green jobs, increase air quality, and reduce fleet travel to dumpsite generating operational cost savings.



### CURRENT PARTNER IMPLEMENTERS



C40 Cities, European Union, GAIA, Global Methane Hub, IMEO, RMI, SRON, and USAID.