

# Cali Waste

## Patent Status: submitted

- Spanish patent P202030041
- Expires 21/1/2040

## Interested parties

- Government, cities, waste operators, waste container manufacturers

## Waste management challenges

- Pollution and lack of environmental awareness
- 70% of waste is incinerated (burned) (Spain)
- No objective methods to reward/penalize polluters

## Current solutions fall short

- Safety (accidents, vandalism), pollution, CO2 emissions
- Cost effectiveness is low: investments (CAPEX) and operations (OPEX) are costly

## Waste classified and managed at the source

- Proper classification and quantification of waste by measuring the density (garbage unit, bag)
- Automated rewarding of polluters (taxes, access to containers, micro payments, ...)
- Prescribe dynamic collection route for waste operators

## Platform to incent polluters

- Connected waste management devices, Internet of Things (IoT)
- Big Data and Artificial Intelligence (AI) analysis