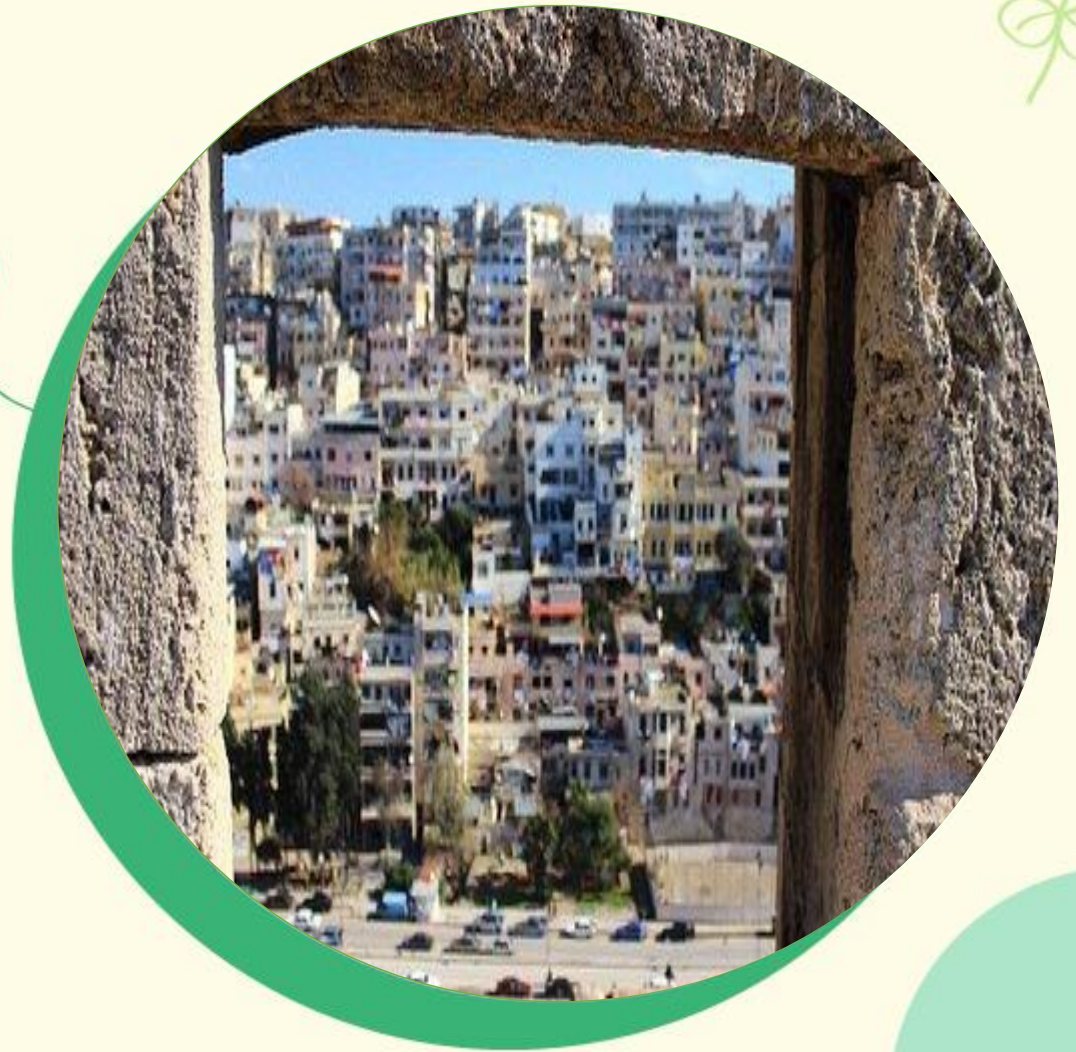


# Zero Waste For TRIPOLI



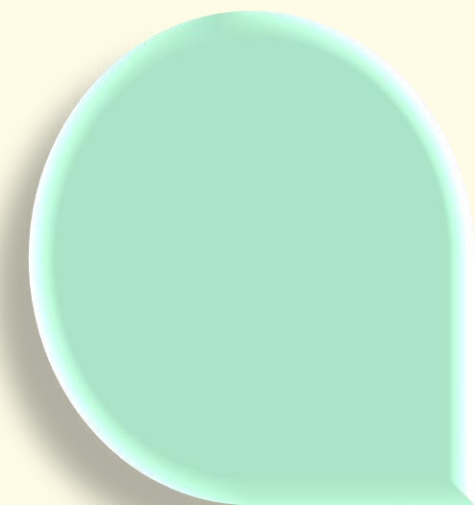
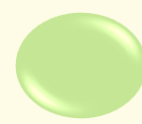
# Tripoli

## Case of study

Municipality	Caza	Population	GENERATION	Project started	Coordinates
Al Fayhaa	North Lebanon	850000	315 ton/jour	#####	



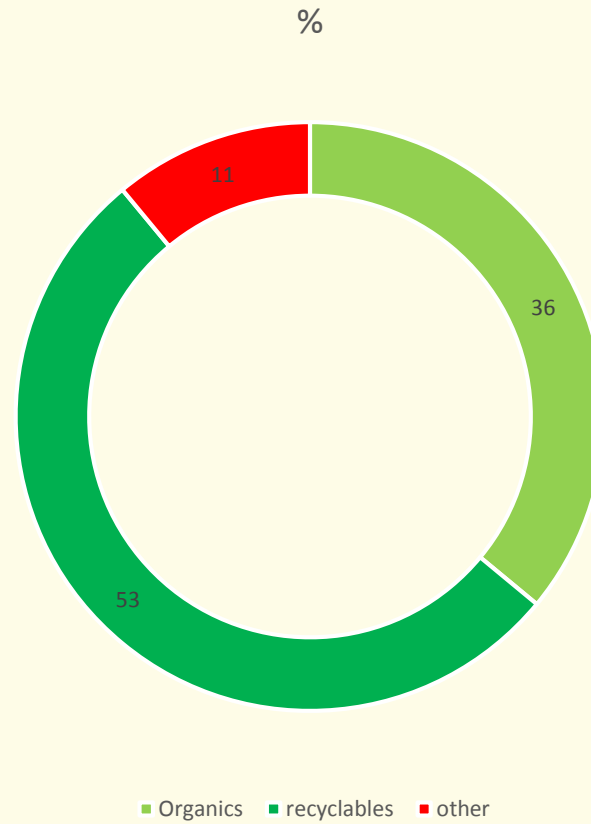
<b>Area</b>	<b>33km3</b>
<b>Population</b>	<b>850000</b>
<b>Density/Km</b>	<b>7086</b>
<b>SW Tripoli</b>	<b>63%</b>
<b>SW generation/capi/pers</b>	<b>0.95kg/per s/day</b>





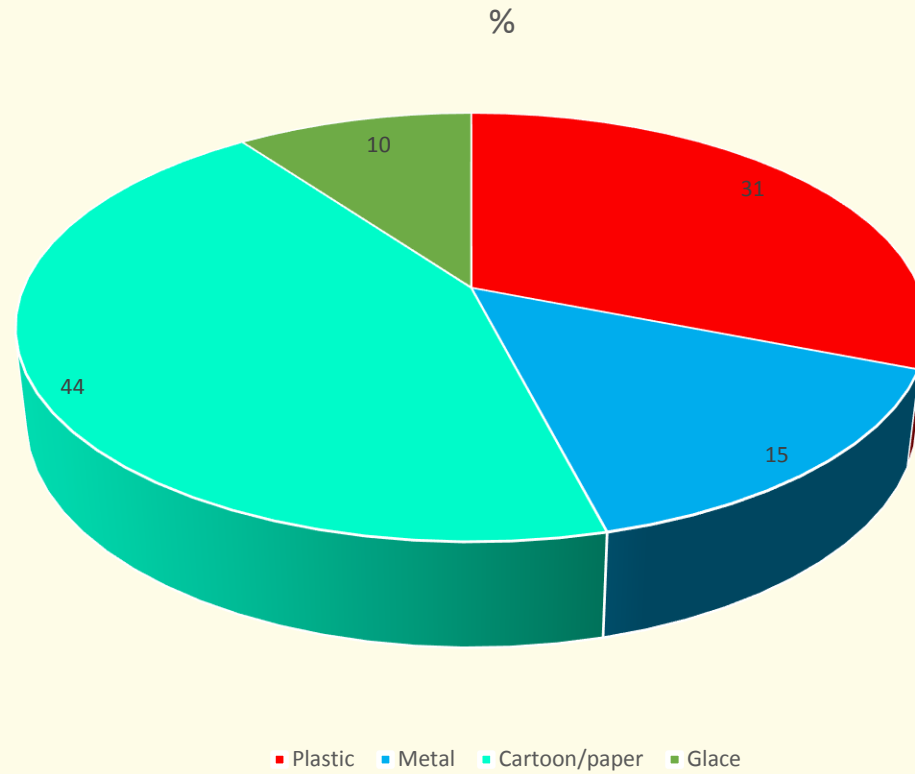
## Composition of Waste disposed

Types of waste	%
Organics	36
recyclables	53
other	11



## Composition of Waste disposed

Recyclables Waste	%
Plastic	31
Metal	15
Cartoon/paper	44
Glace	10



## Daily average



<b>Waste/day</b>	<b>kg</b>
<b>Daily average/capi</b>	<b>315ton</b>
<b>Daily/pers</b>	<b>0.95kg</b>

## **Obstacles facing Waste Management in Tripoli:**

The economic crisis facing Lebanon is the principal obstacle in the consequences:

1. The inability of these companies to their work due to financial difficulties (personnel, transportation And maintenance costs).

1. Waste piled up in containers.

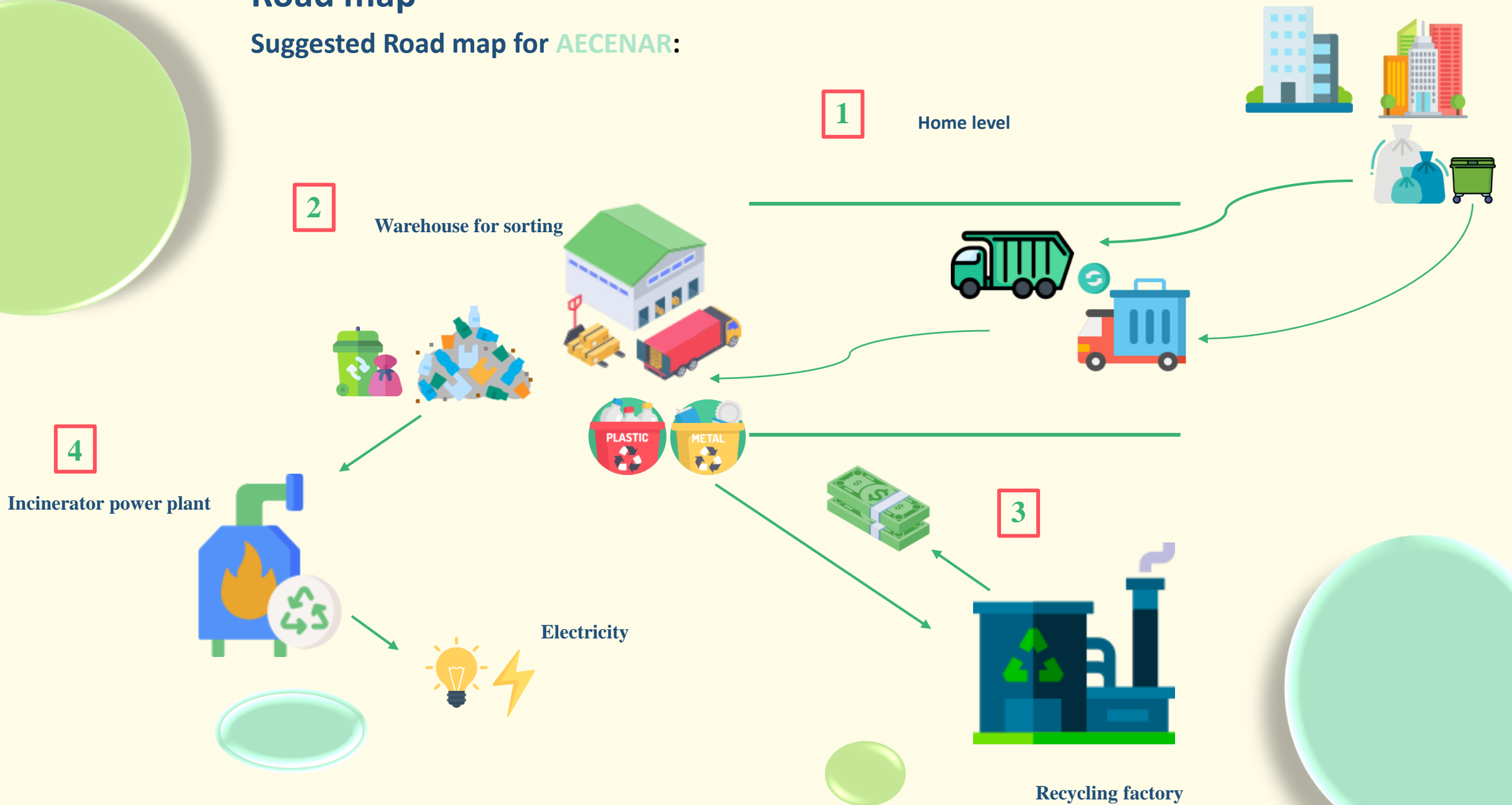
2. Increase insects and animals near containers.

This threatens environmental and health risks.



# Road map

Suggested Road map for AECENAR:



# Waste management scenario

## Step1: Home level cost

Wide range : 2 ton/day

### Raw materials

2 tonnes



1 big truck



In collaboration with Lavajet company



615\$/month



580 L.L/Day

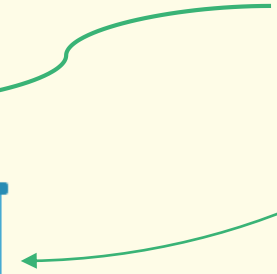


Cleaners

1 million/month/ pers  
A discuter####

1

Home level



# Waste management scenario

## Step 2: Warehouse for sorting

### Raw materials



Cost rent Warehouse

700\$/month



Sorting workers

A discuter####



Security guard

100\$/Month

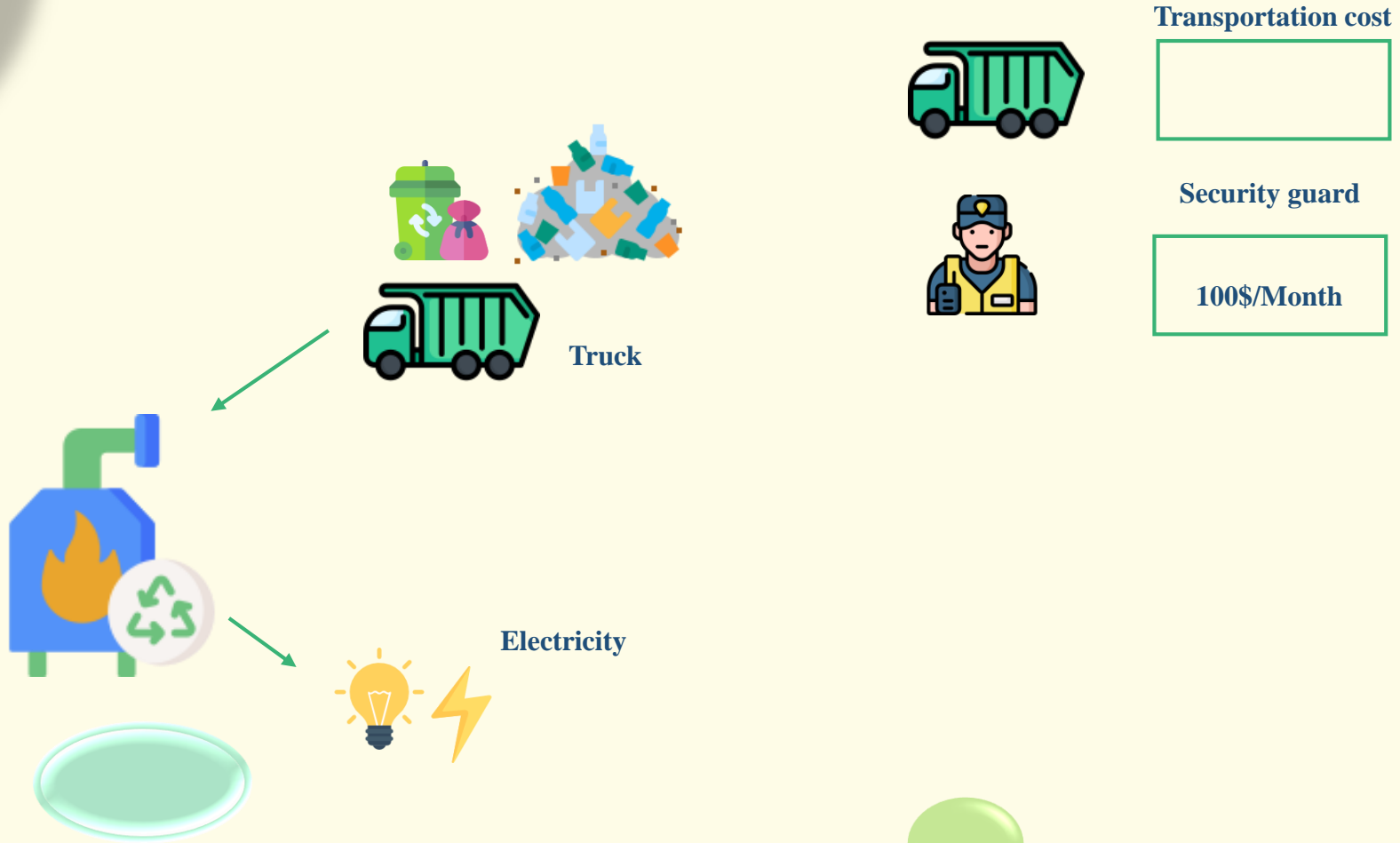


# Waste management scenario

## Step 4: Incineration

Raw materials

4



# Random waste disposal

## Road map

Suggested Road map for AECENAR:



# Random waste disposal

## Road map

Suggested Road map for AECENAR:



Collect waste  
2 workers

Cost/day

**Suggestion:**  
Putting waste containers in these sites



Fuel



Truck rent

Driver

**2** Transporting



**1** Collecting



# Random waste disposal

## Road map

Suggested Road map for AECENAR:

3 Recycling



### Cost/month



Warehouse rent

700\$



Recycling workers

4



Security guard

100\$

