



REPUBLIC OF TURKEY
MINISTRY OF ENVIRONMENT,
URBANIZATION AND CLIMATE CHANGE



ZERO
WASTE



GOOD PRACTICES

BIOPORE INFILTRATION PROJECT



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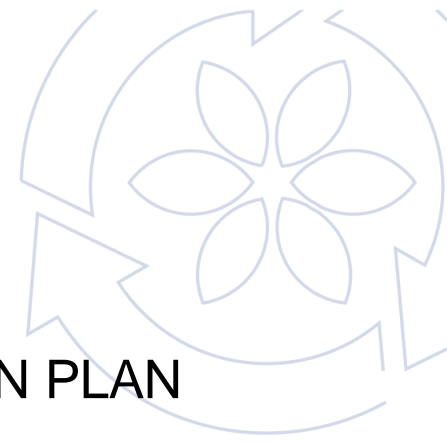
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01 | THE GOAL OF THE PROJECT

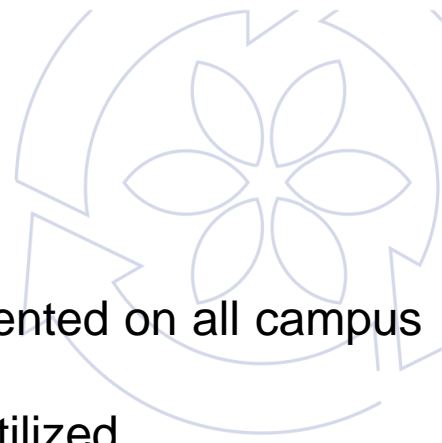
The Biopore Infiltration Project aims to facilitate the faster infiltration of rainwater into the soil, thereby replenishing underground water sources and converting organic waste into fertilizer.

- Organic waste will be transformed into organic fertilizer through earthworms and natural processes.
- This approach will delay the occurrence of floods and mitigate their adverse effects



02 | SCOPE OF THE PROJECT

- The project covers the lands located within the Kutlubey Campus. It is planned to be implemented on all campus lands in the future.
- In the project, organic waste generated from the cafeteria, canteen, and green areas will be utilized.



03 | IMPLEMENTATION PLAN OF THE PROJECT



- Biopore Infiltration Project consists of 5 steps.

Step 1

Suitable points are determined on campus lands.

Step 2

Holes of 50-100 cm depth and 10 cm diameter are drilled at these points.

Step 3

Biopores are prepared by placing PVC pipes into the holes.

Step 4

Organic wastes are collected and filled into biopores.

Step 5

Biopores will be checked every 3 months. The final organic fertilizer will be taken and new organic waste will be added to the biopores.

03 | IMPLEMENTATION PLAN OF THE PROJECT



1. Location Determination



2. Drilling the holes

5. Periodic Checks



4. Organic Waste Filling

3. Preparation of PVC Pipes



04 | GAINS OF THE PROJECT



ENVIRONMENTAL

- It will contribute to the recharging of groundwater.
- Organic wastes will be converted into organic fertilizer within the campus.



ECONOMIC

- It will be a precaution against floods and the negativities will be reduced.
- Organic waste can be recycled where it is produced.



SOCIAL

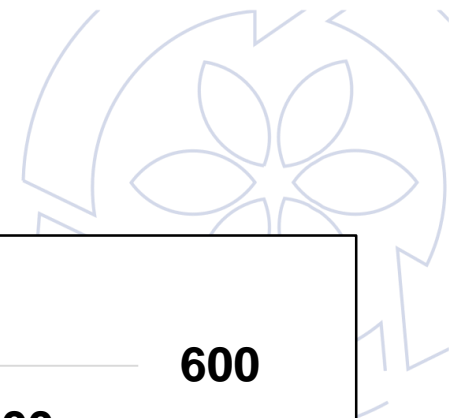
- It will provide high social benefits by contributing to sustainable water management and flood prevention.
- It will contribute to the fight against climate change and drought.



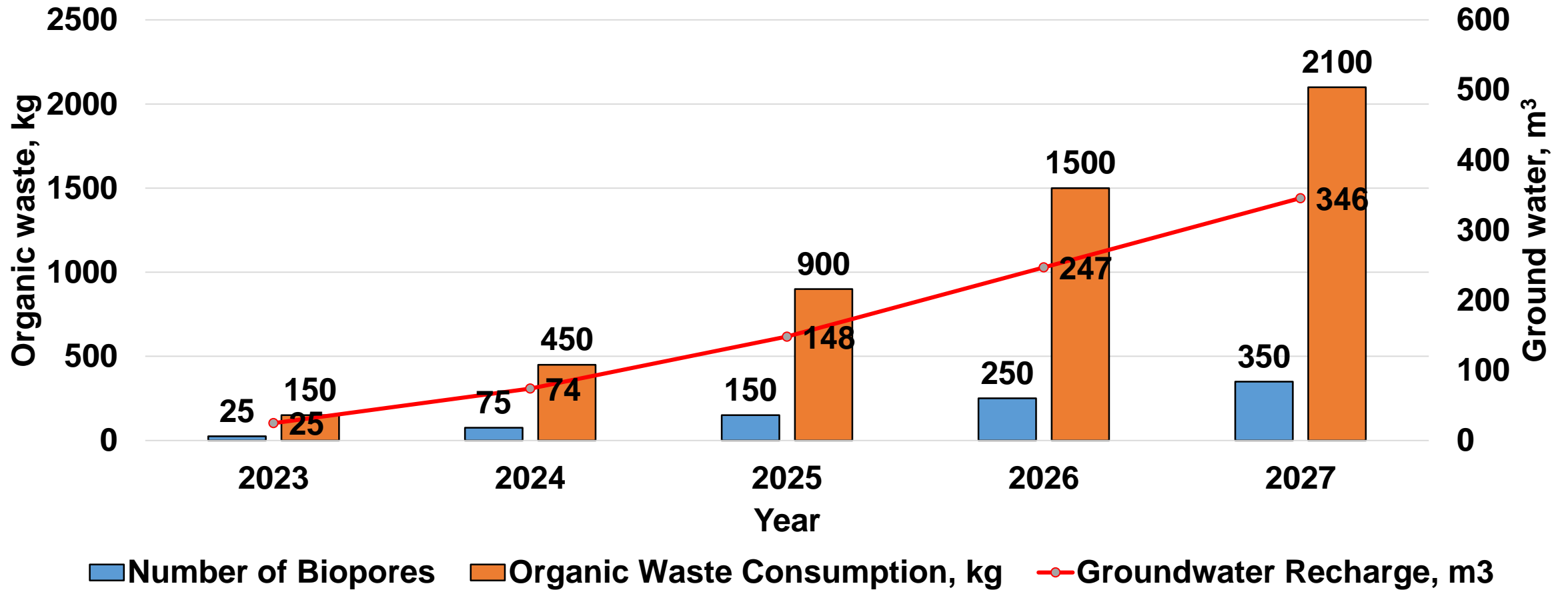
AWARENESS

- By proving its positive effects on university campuses, it will be able to spread throughout Bartın city and create great awareness.

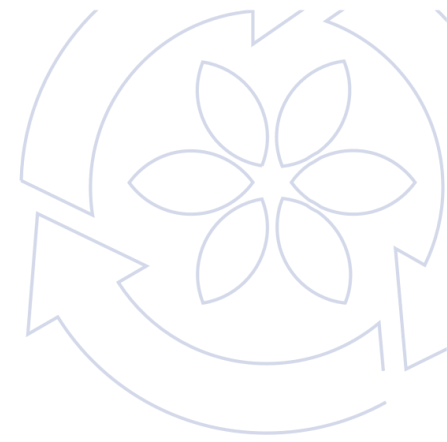
04 | GAINS OF THE PROJECT



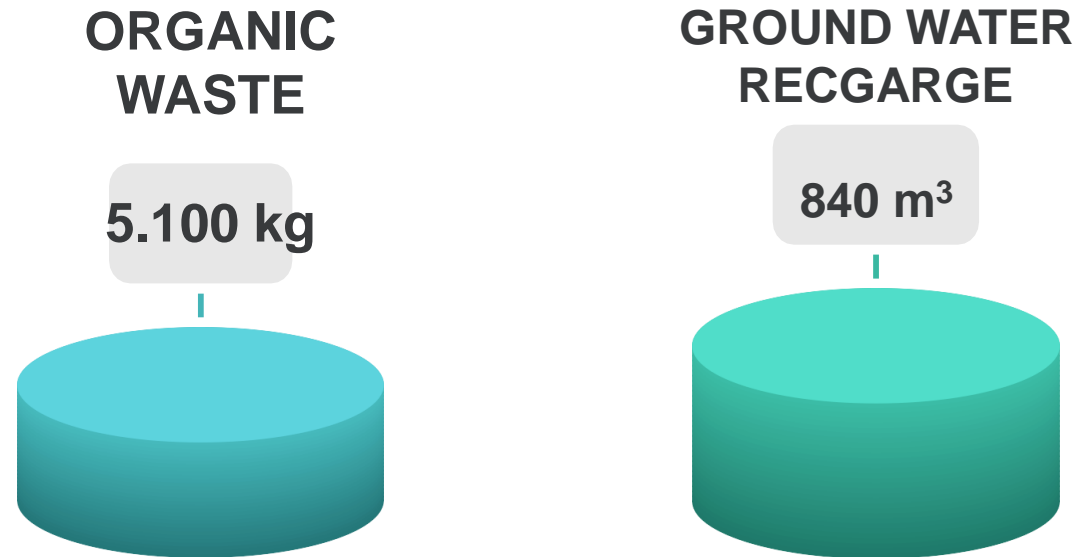
Annual Goals of the Project



04 | GAINS OF THE PROJECT



AMOUNT OF WASTE TO BE COLLECTED



The Biopor Infiltration Project aims to collect and process 5,100 kg of organic waste and provide 840 m³ of rainwater recharge to groundwater between the years 2023 and 2027.



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