

Green Bucharest: Nature in the City

Collaborator: Parcul Natural Văcărești

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WPI

Urban Nature Parks Have Many Benefits



Socio-economic



Physical

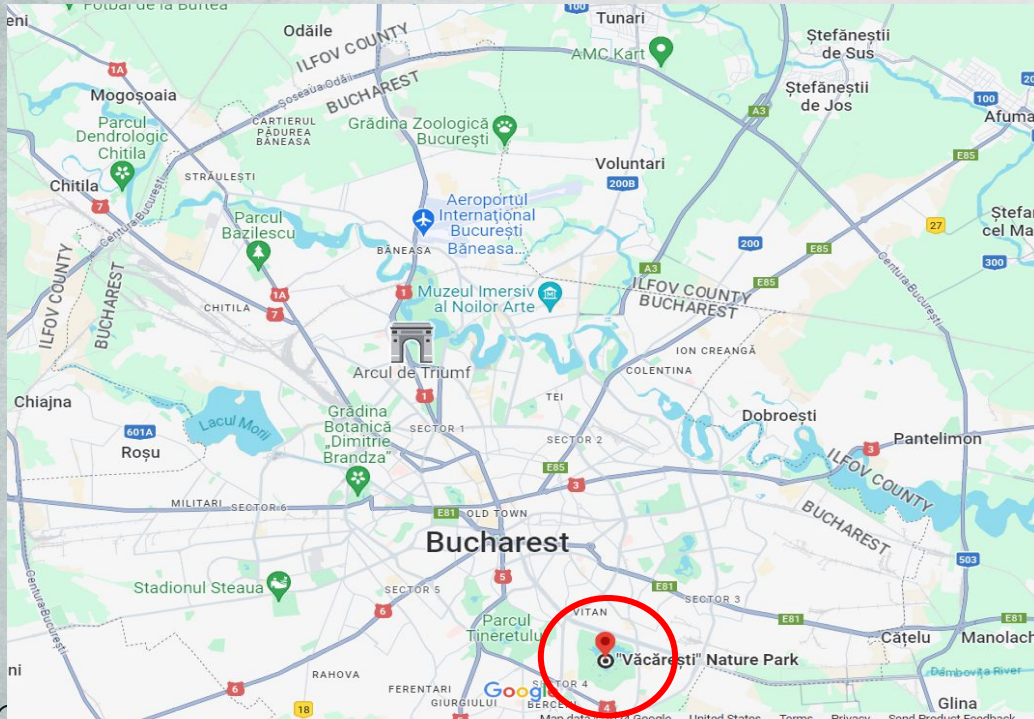


Psychological

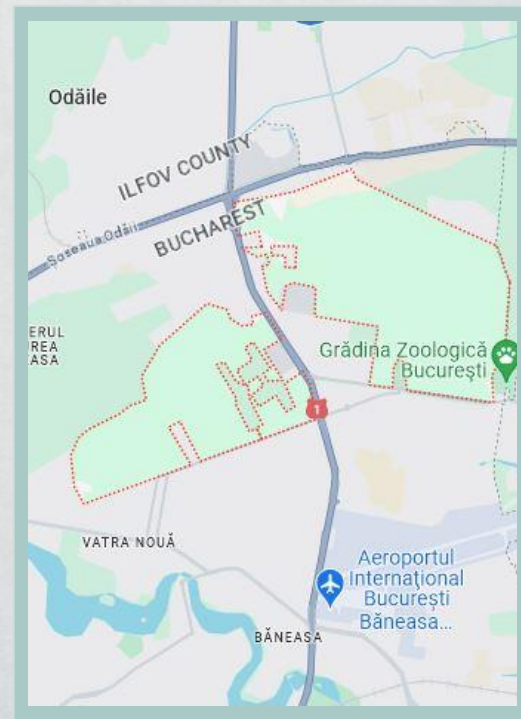
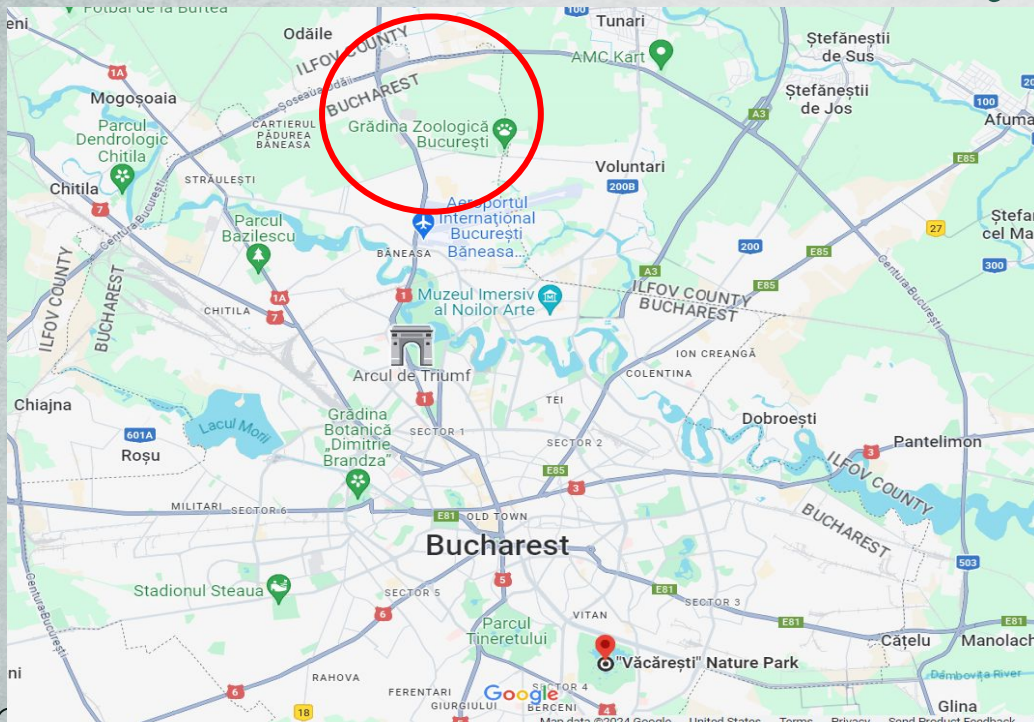


Environmental

Văcărești Natural Park is Located 4km from the City Center



Băneasa Forest is Located 14km from the City Center



Văcărești Natural Park Association



An aerial photograph showing a vast wetland area with numerous small, interconnected water bodies and patches of vegetation. In the background, a dense urban cityscape is visible under a clear sky. The text 'Project Goal' is overlaid in a large, white, serif font.

Project Goal

Outline a mobile application to **educate** the residents of Bucharest about Văcărești Natural Park and Băneasa Forest

Objectives

Determine the knowledge and opinions of Bucharest residents

Identify existing park apps and their education elements

Design features for the app from survey results

Determine public interest for the app outline

1

2

3

4

A photograph of a duck splashing in water, with its wings spread and water droplets flying around it. The background is a blurred green field of reeds or grass. The text 'Văcărești' and 'Natural Park' is overlaid in a white, serif font. A thin white horizontal line is positioned below the text.

Văcărești Natural Park

Văcărești Natural
Park was
Founded in 2016

1988



**Văcărești Natural
Park was
Founded in 2016**

2016



There are approximately 330 Species of Plants in the Park in 11 Different Habitats



There are approximately 330 Species of Plants in the Park in 11 Different Habitats



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There are approximately 330 Species of Plants in the Park in 11 Different Habitats



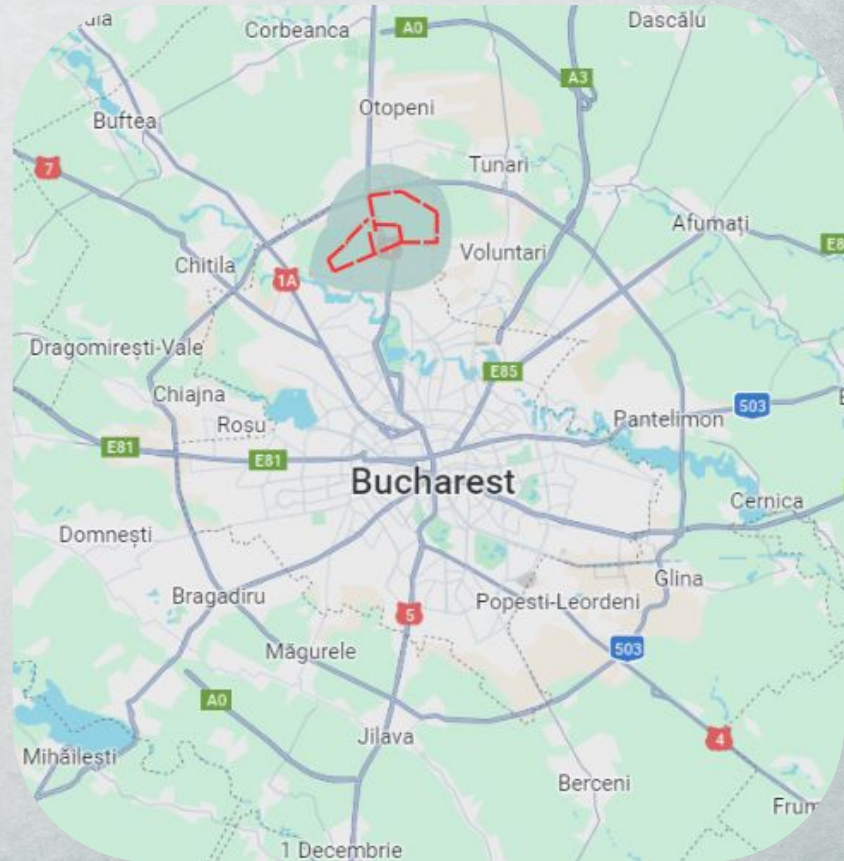


56 of the 135 Species
of Insects and **172** of
the 176 Species of
Birds in the Park are
on the **IUCN Red List**

A photograph of a forest path. The path is a dirt trail winding through a dense forest of tall, thin trees. The ground is covered in green grass and small plants. The sun is shining brightly from the upper right, creating a lens flare and casting long shadows on the path. The sky is a clear, bright blue.

Băneasa Forest

A Fraction of Băneasa Forest Remains Accessible to the Public





The Forest is Home to a
Large Number of
Amphibians and Birds,
Many of Which are on
the **IUCN Red List**

A group of people is hiking through tall, golden-brown grasses in a wooded area. In the background, a building with a corrugated metal roof is partially visible among the trees. The scene is brightly lit, suggesting a sunny day. The word "Methods" is overlaid in large white text with a horizontal line underneath it.

Methods

Surveys were Used to Gauge Public Knowledge of Green Spaces



Surveys were Used to Gauge Public Knowledge of Green Spaces



16 Nature Park Apps were Analyzed for Key Features



Survey Results were Compared with App Features



Mockups were Created and Feedback was Collected


Initial Impressions

Proposed Features



Overall Layout

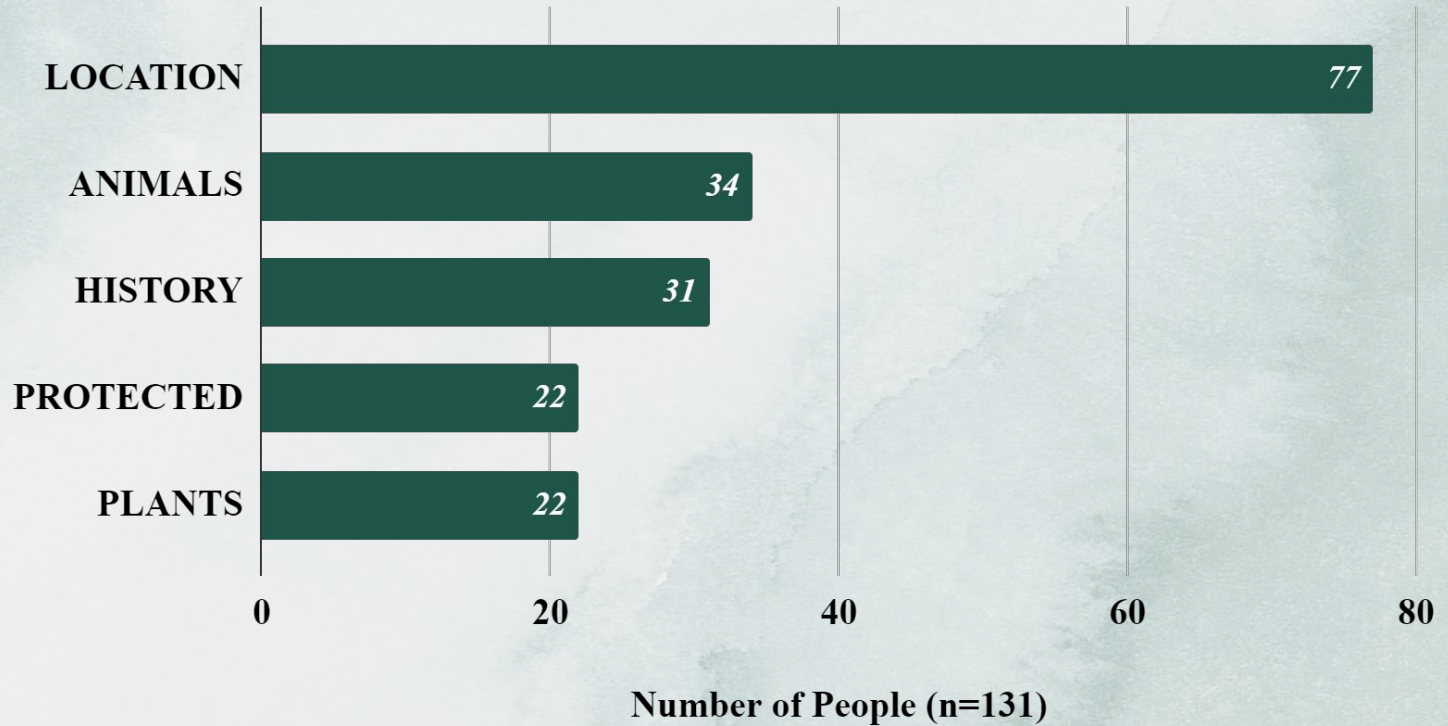
Areas of Improvement

A white egret is captured in a natural setting, likely a marsh or wetland. The bird is standing in shallow water, with its wings partially spread as if it has just landed or is about to take flight. The background is filled with tall, green and brown reeds or grasses. The water in the foreground is calm, reflecting the bird and the surrounding vegetation. The overall lighting is soft, suggesting a late afternoon or early morning setting.

Results

What do Participants Know?

VNP

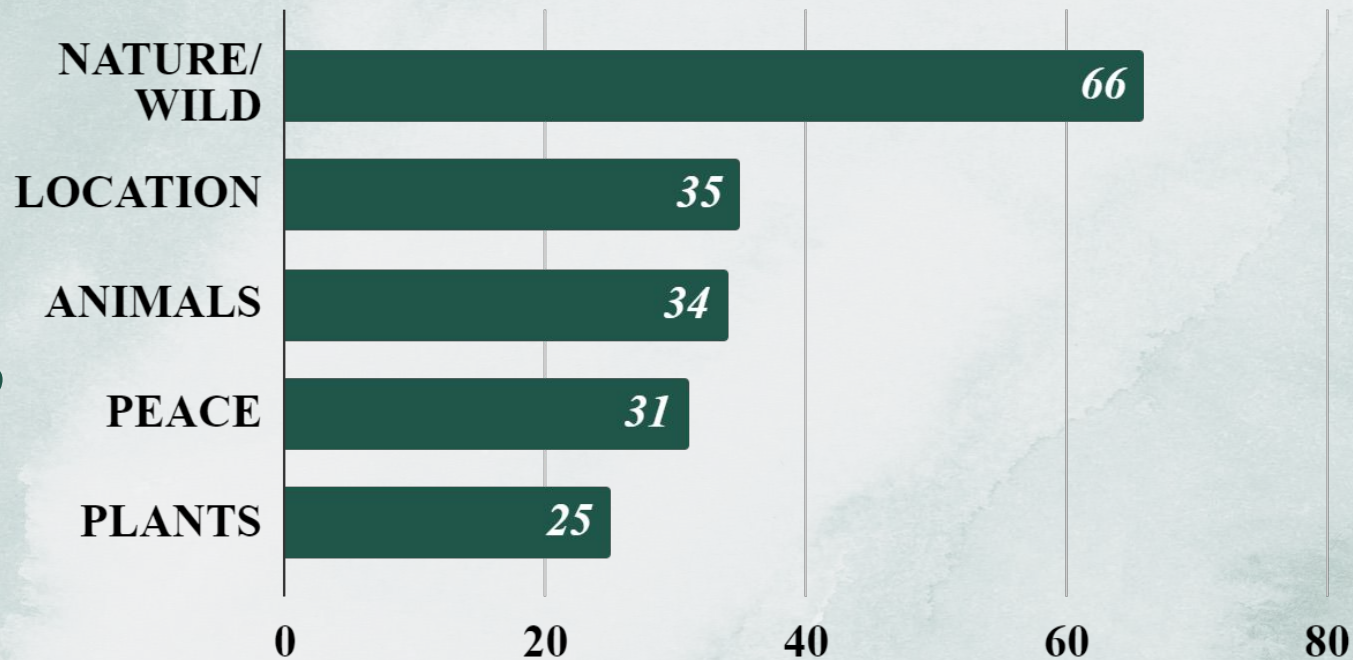


What do Participants Know?

BF



What do Participants Like?

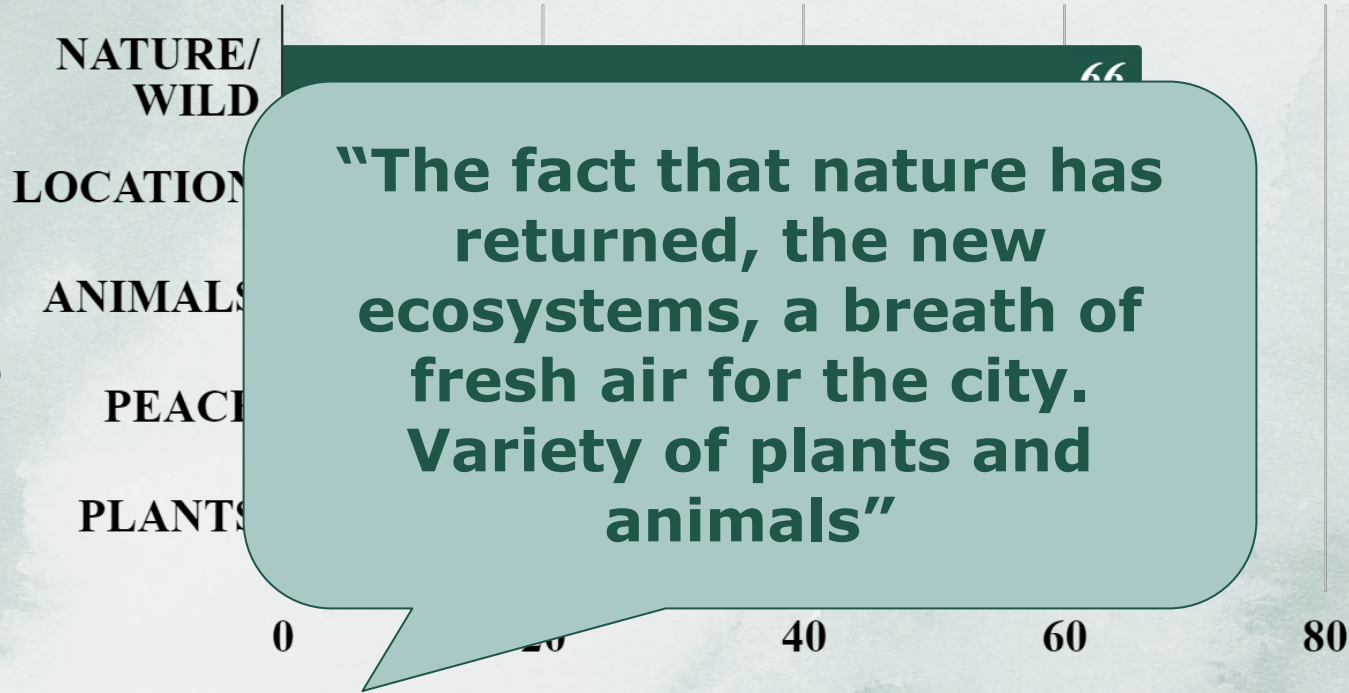


VNP

Number of People (n=135)

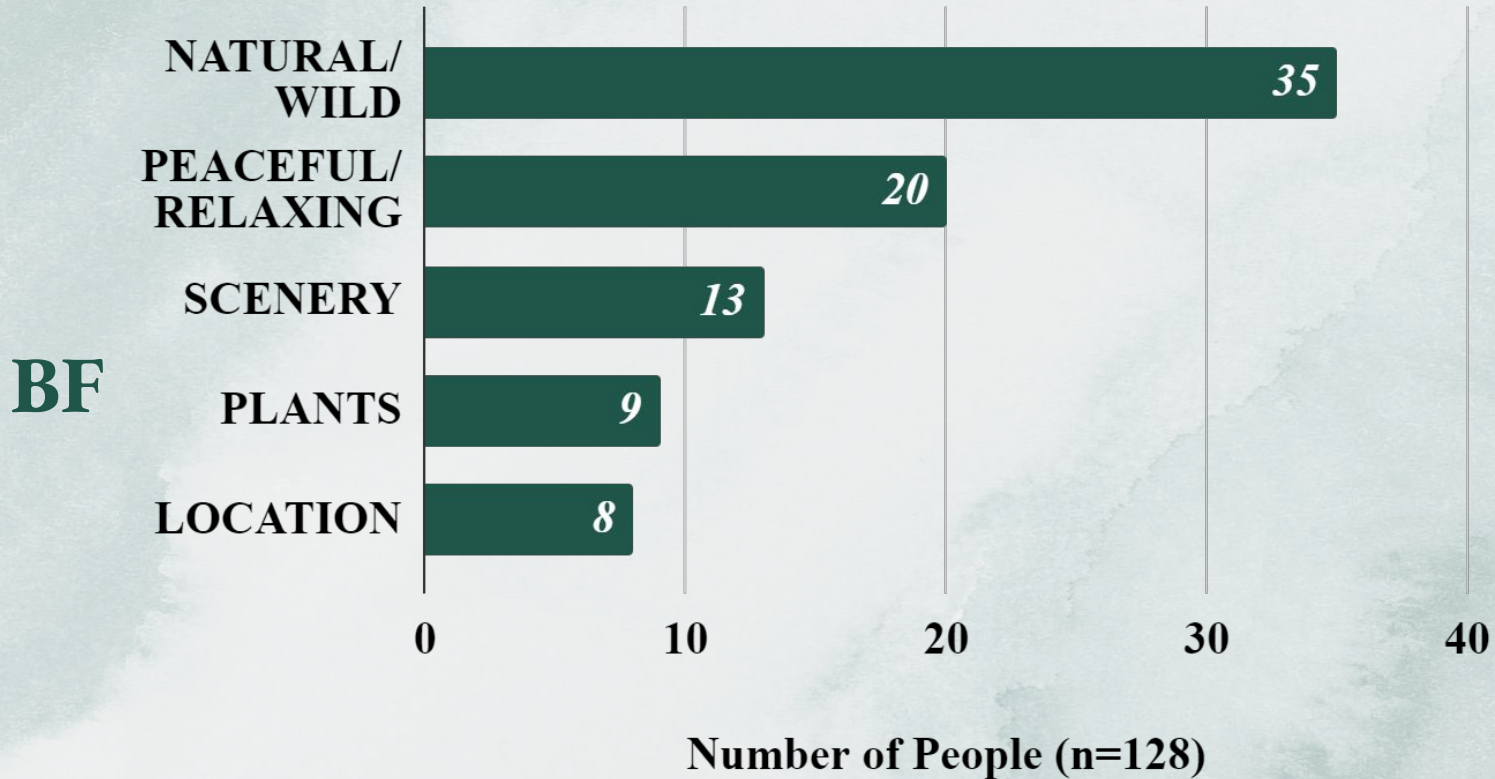
What do Participants Like?

VNP



Number of People (n=135)

What do Participants Like?

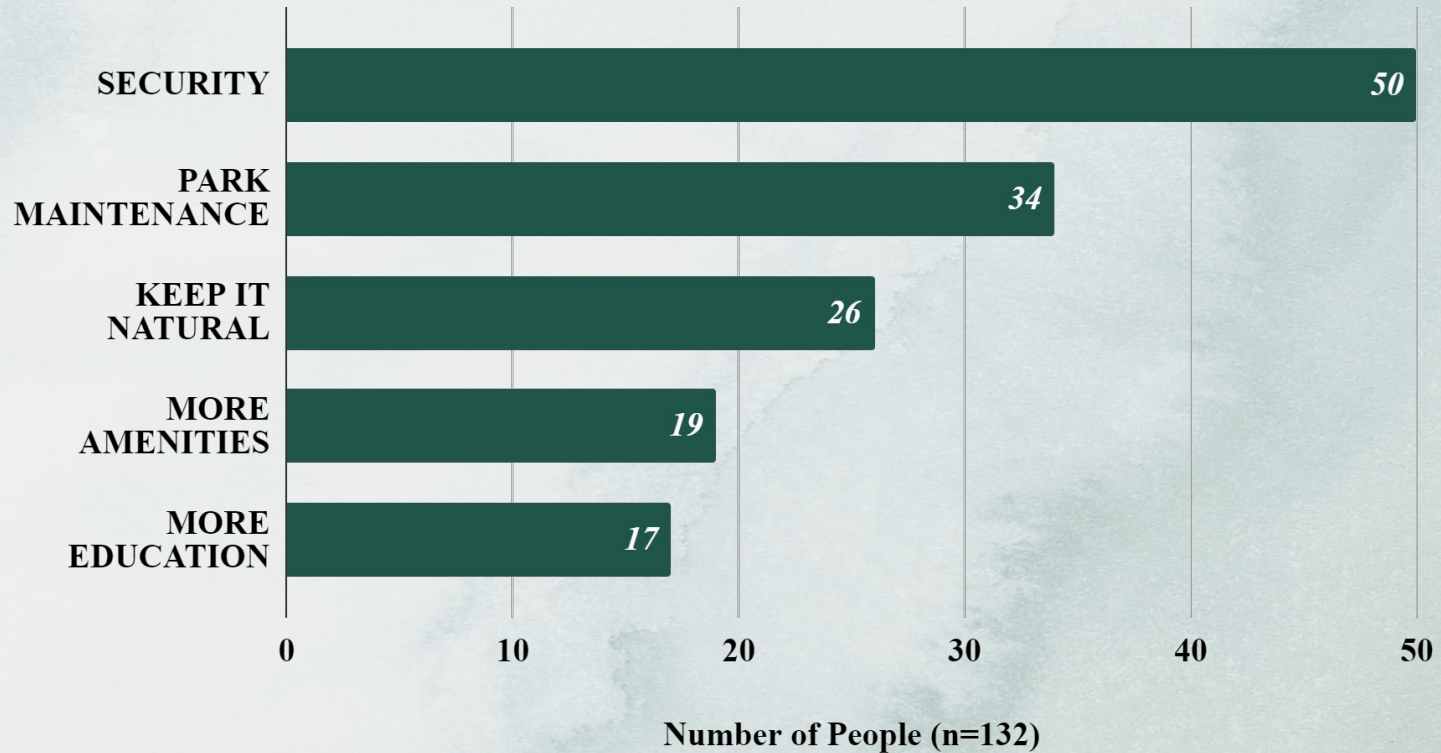


What do Participants Like?



What Suggestions do Participants Have?

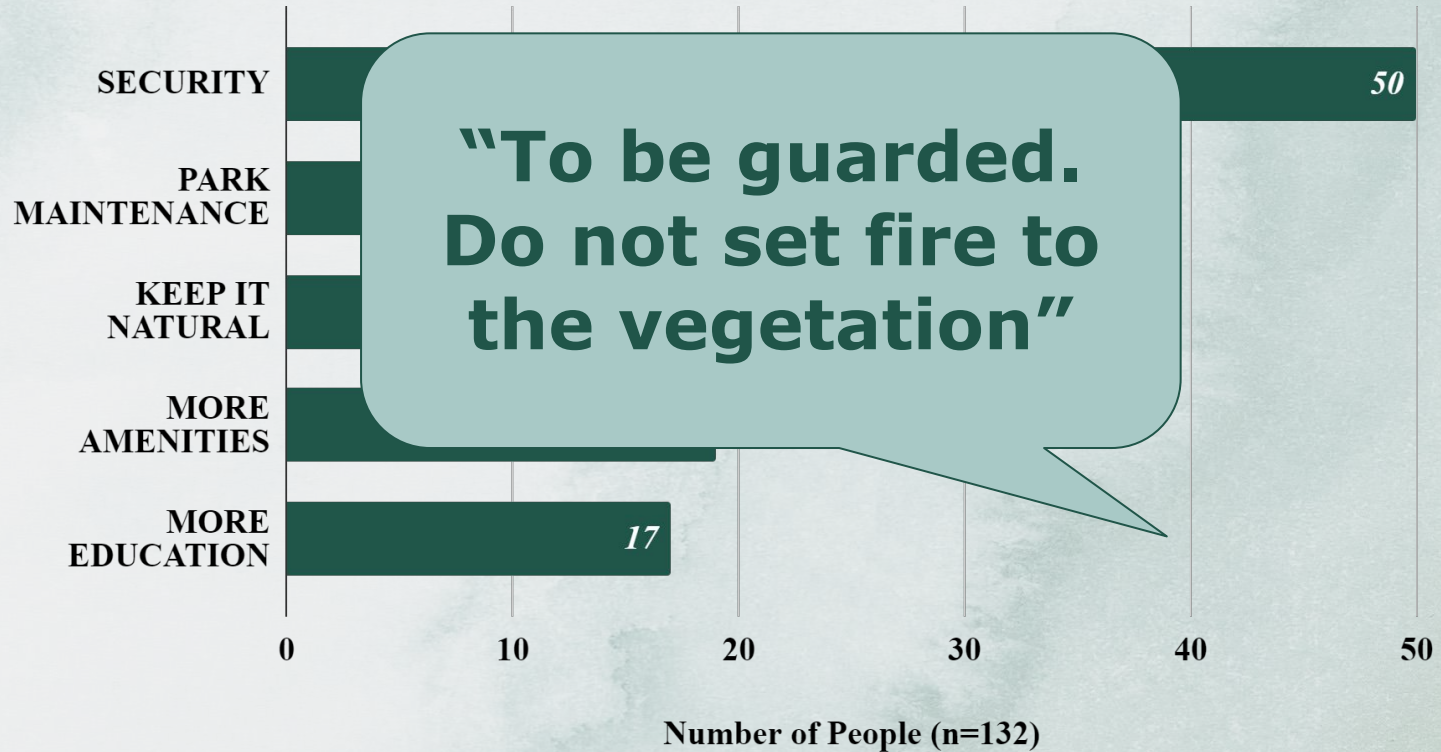
VNP



What Suggestions do Participants Have?

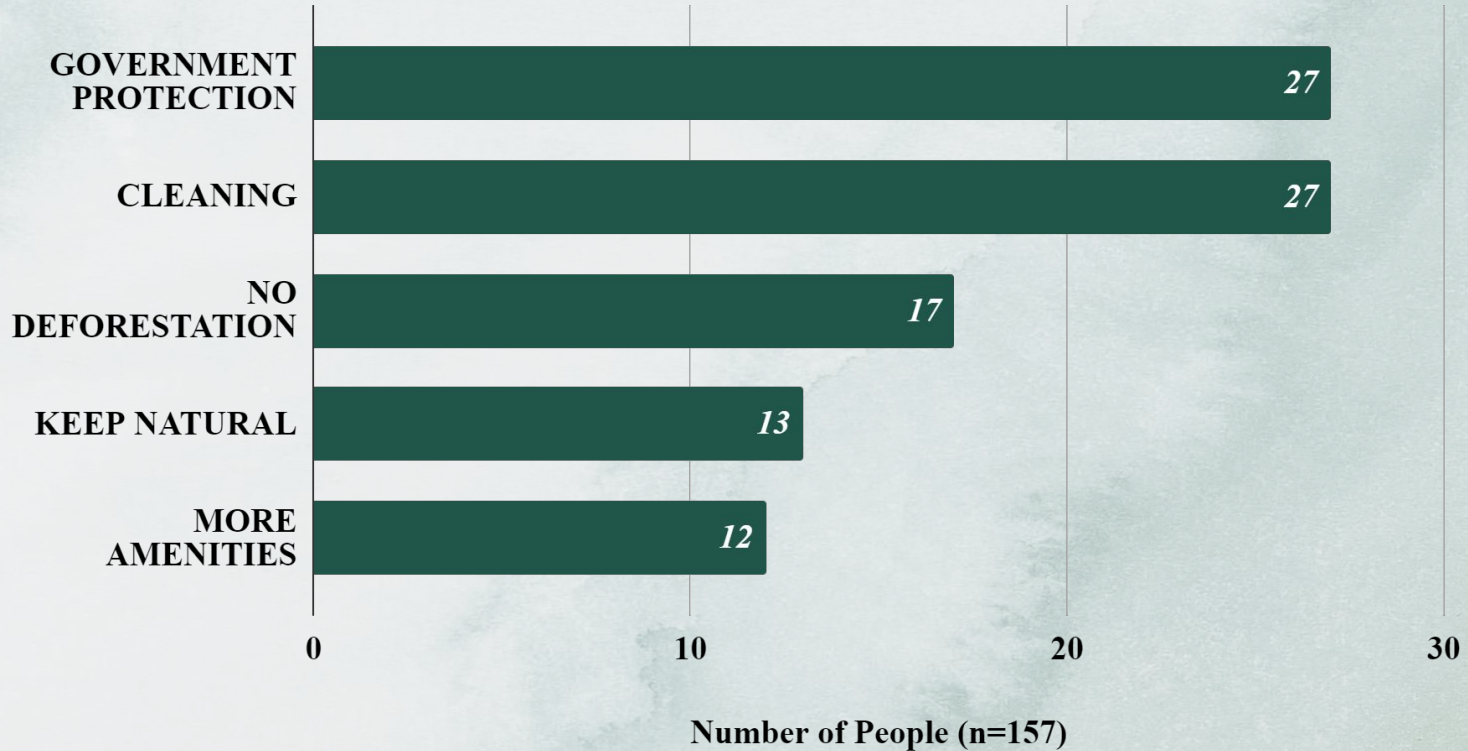


VNP



What Suggestions do Participants Have?

BF



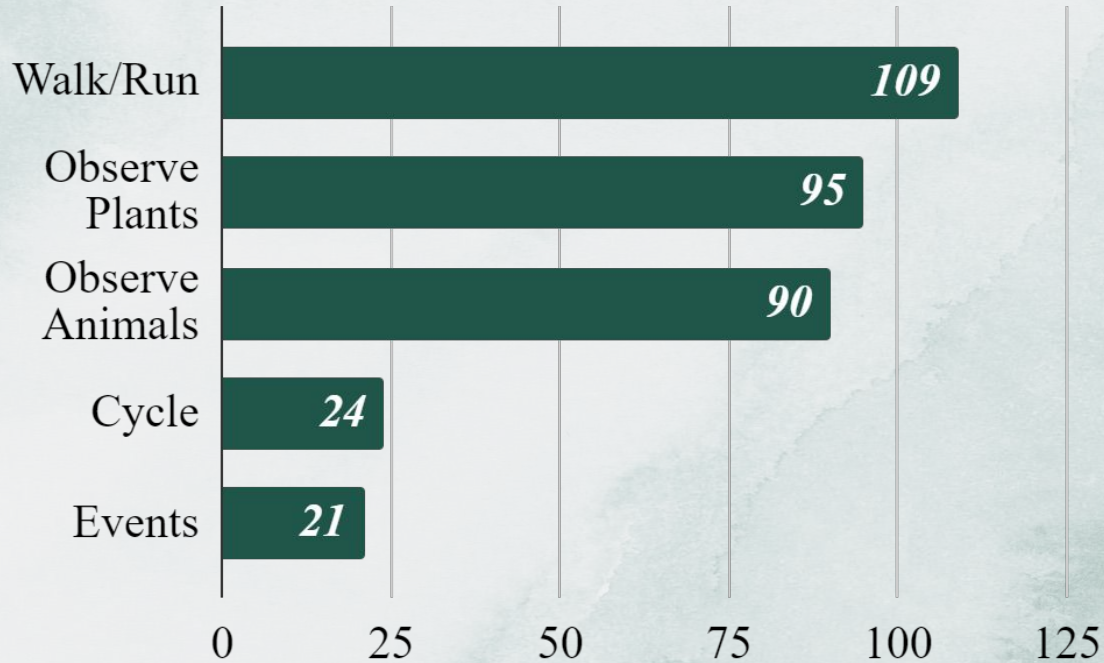
What Suggestions do Participants Have?

BF



What do Participants do?

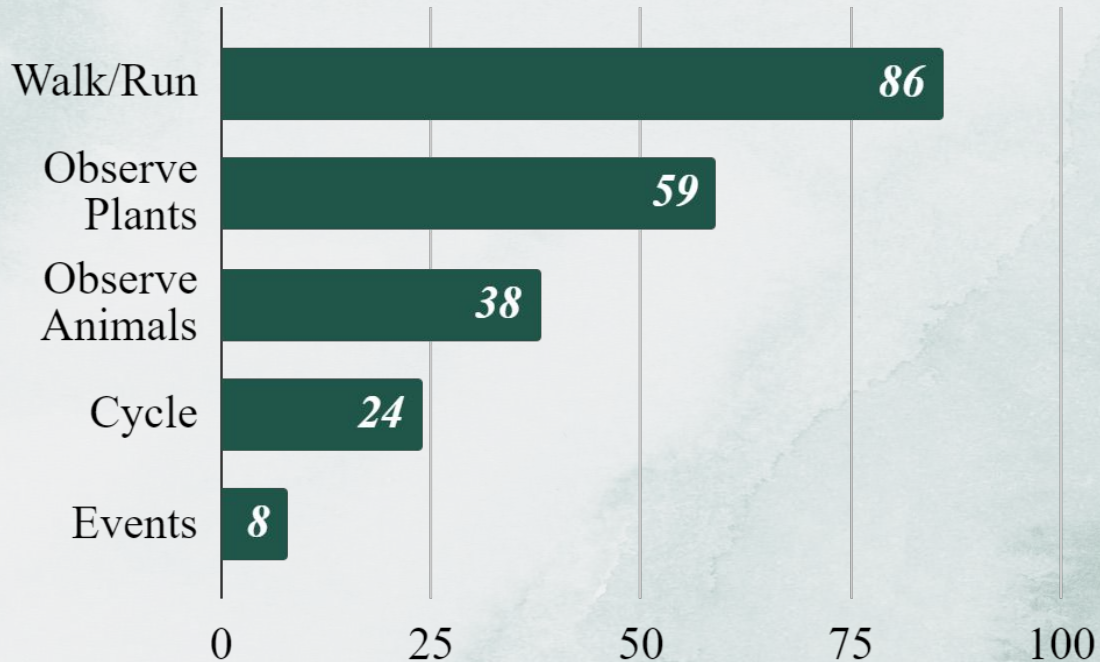
VNP



Number of People (n=146)

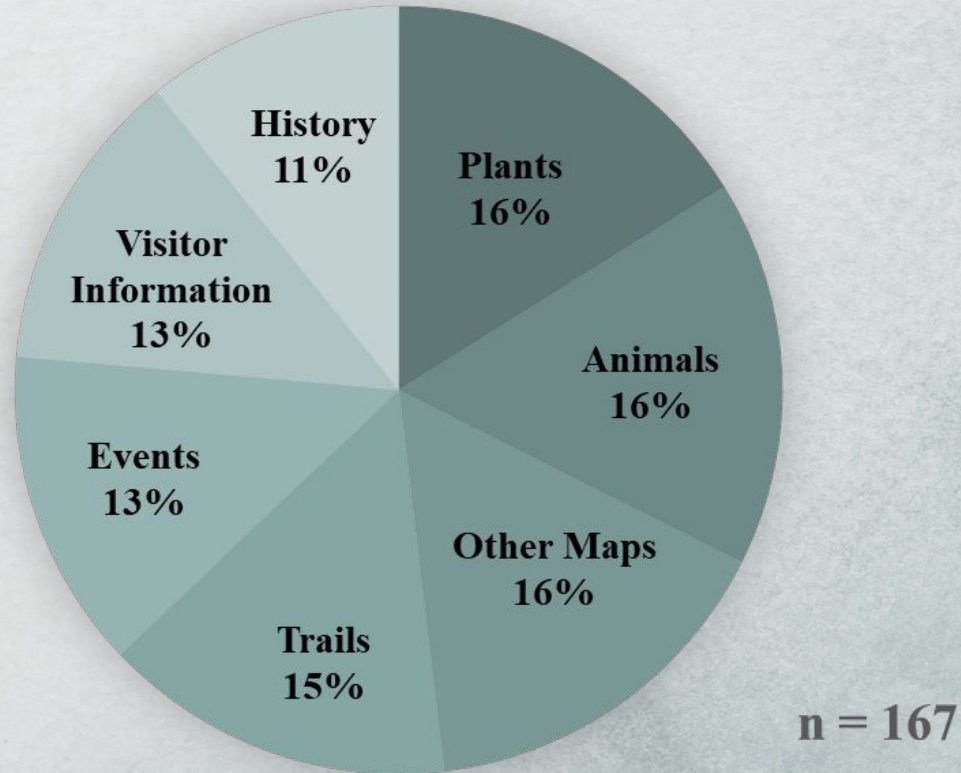
What do Participants do?


BF



Number of People (n=126)

What do Participants want to Learn?





**Let's take a
look at the
app proposal**

A branch of purple flowers, possibly a species of Verbena, hangs from the top left corner. The background is a soft-focus sunset or dusk scene with a building silhouette in the distance. The word "Recommendations" is written in a large, white, serif font across the center, with a thin white horizontal line underneath it.

Recommendations

Future Stylistic and Content Suggestions



**Support
picking up
trash using
badges**



**Using a link
to the
iNaturalist
database**



**Make the
Scavenger
Hunt detect
seasons**

○○○

Special Thank You





Questions?

Image Citations & References

[Slide 1, 4, 5, 6, 8, 9, 12, 15, 20, 30, 31] Parcul Natural Vacaresti. (n.d.).<https://parcnaturalvacaresti.ro/>

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