

Participatory urban planning through online webGIS platform: Operations and tools



Με τη συγχρηματοδότηση της Ελλάδας και της Ευρωπαϊκής Ένωσης

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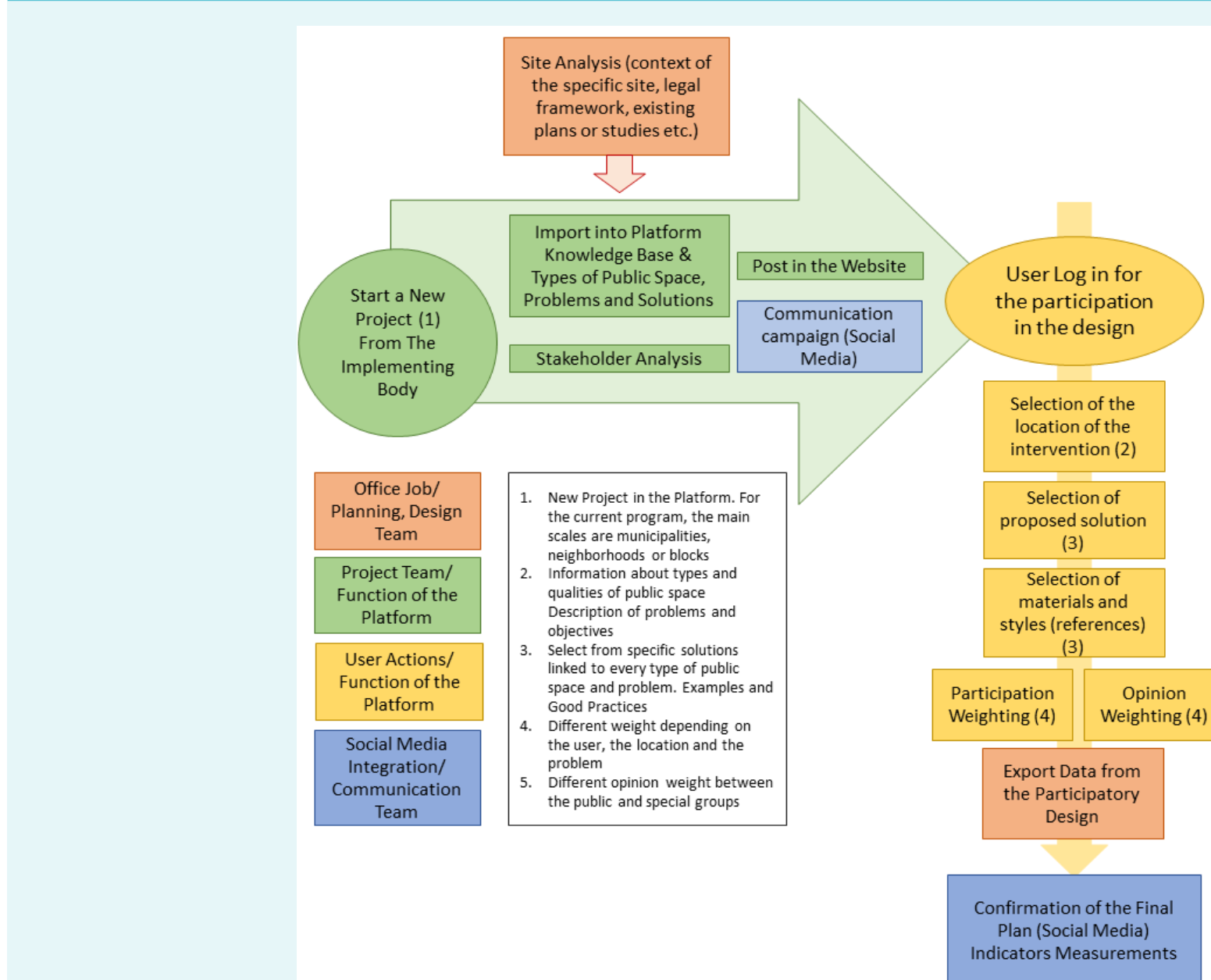
Introduction

This proposal refers to an online webGIS platform of participatory urban planning, in the context of ppCITY research project. The online platform technically relies on open source, ppGIS application solutions. It combines online tools and supports necessary methodological steps of participatory planning, based on real spatial challenges.

Platform's purpose

The primary purpose of this platform is to highlight the essential features of public space and to organize the steps for equal and meaningful participation of citizens in urban planning.

Platform's operations- workflow

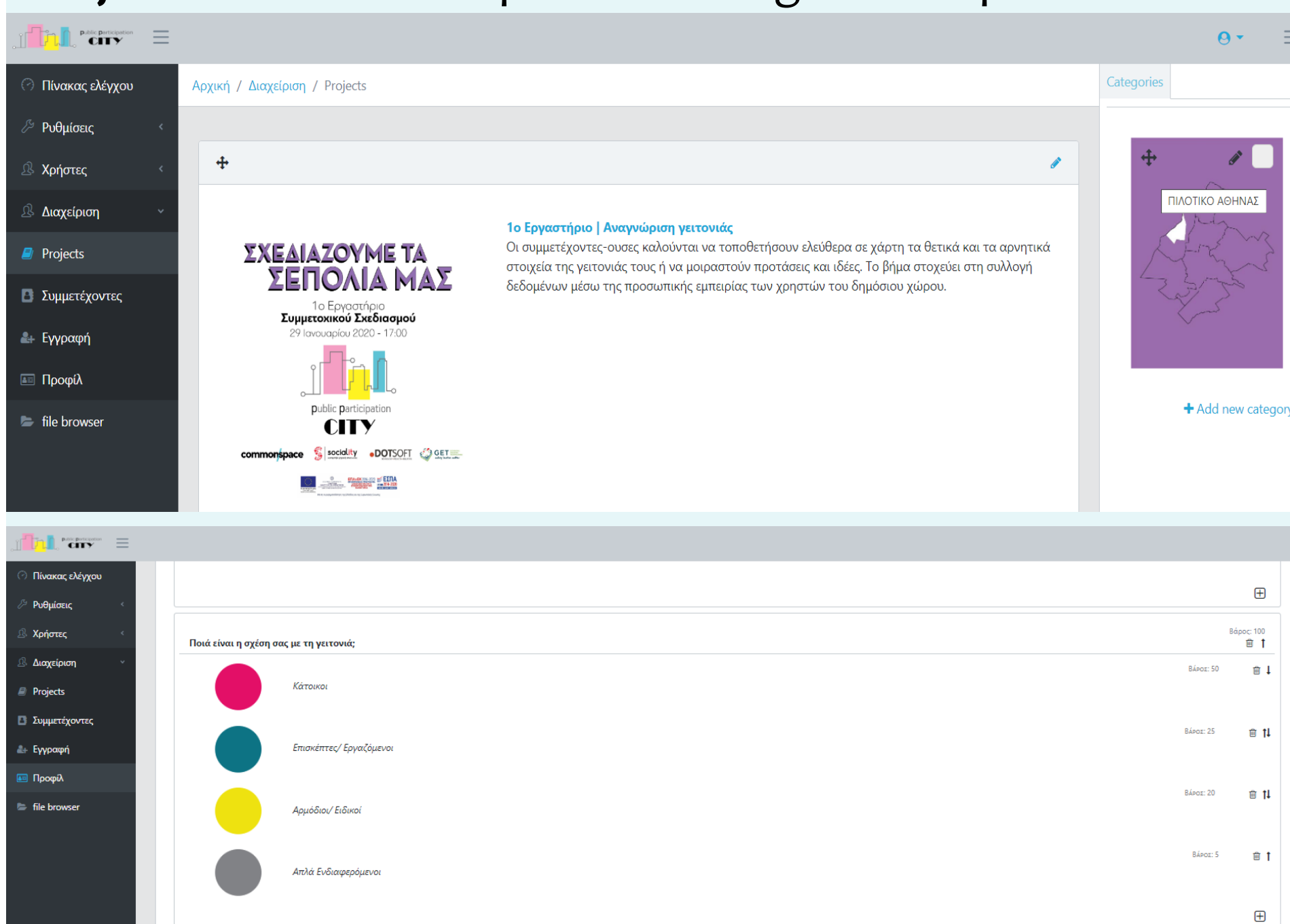


Pilot participatory planning program in Sepolia

The main challenge is dealing with the urban heat island effect by designing a cooling centre on a plot, in Sepolia.

Project 1: 1st Workshop-Wider area analysis.

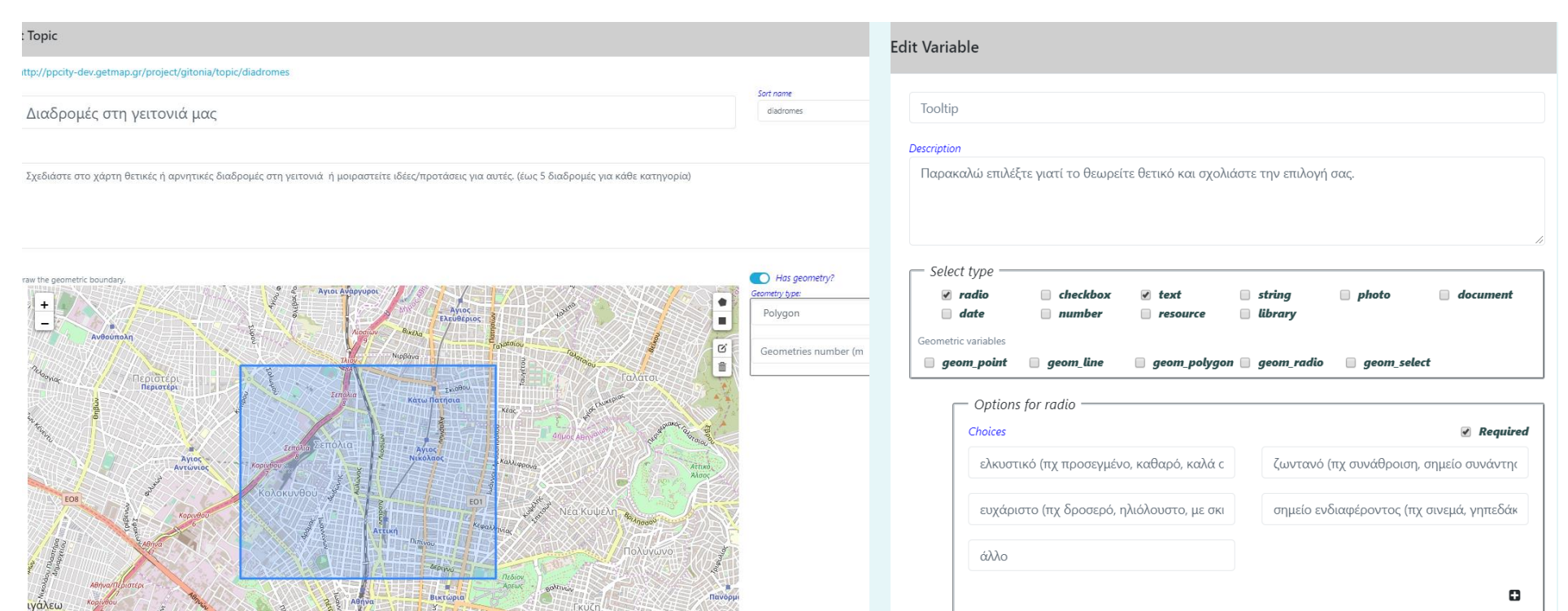
Project 2: 2nd Workshop-Urban Design of the plot.



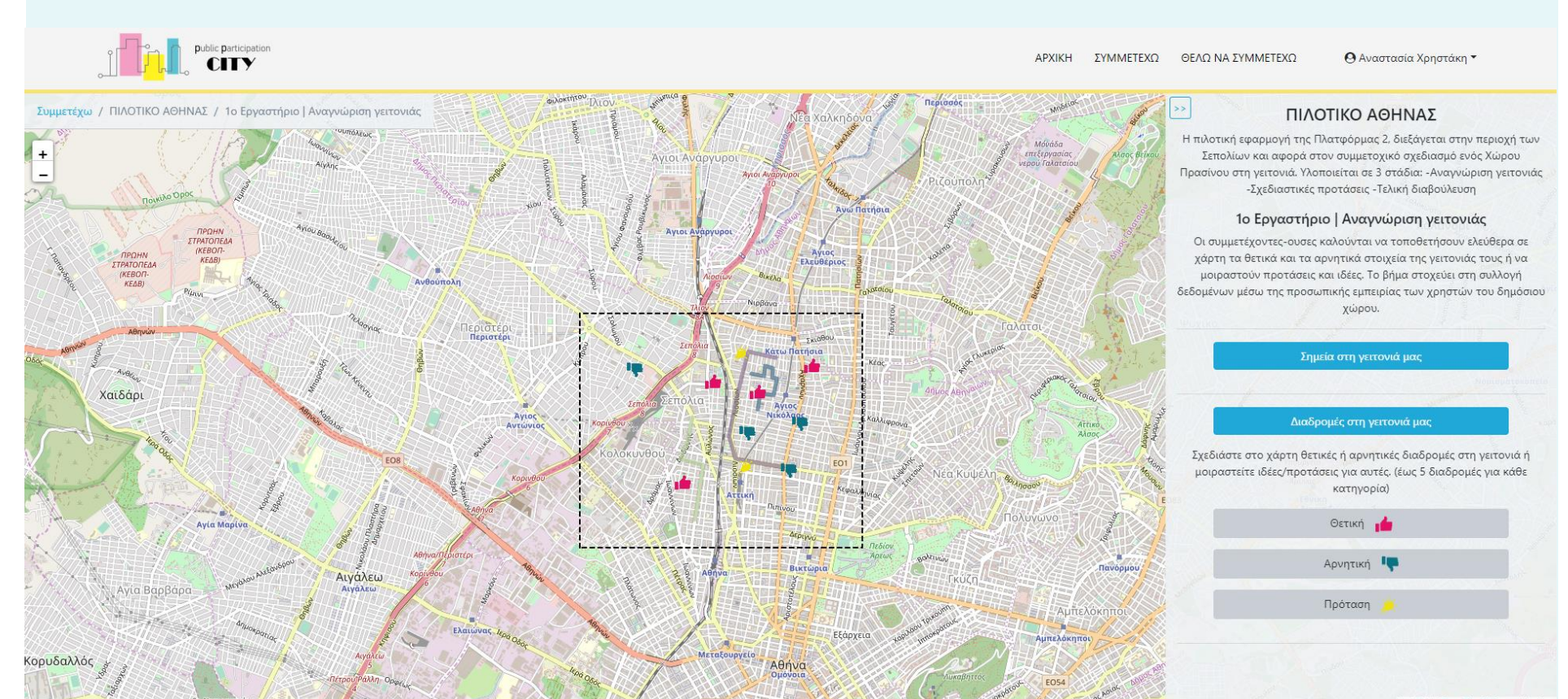
Platform's Variables

The platform categorizes a set of online variables referred to the ongoing project. The researchers define them when they start a new project.

Each variable can take a value as a point, a line, a polygon, a photo, a Pdf, or a Sub-variable.



Users answer to sub-variables by drawing dots, lines, and polygons on maps, selecting, and by choosing among photos or upload their own.



Platform's tools: Libraries

Libraries of good and bad practices:



References:

https://www.researchgate.net/figure/The-effect-of-Urban-Heat-Island-UHI_fig1_326316773

<https://www.archdaily.com/catalog/us/products/3934/porcelain-stoneware-20mm-grespania>

<https://www.dezeen.com/2015/10/19/cf-moller-promenade-landscaping-aalborg-waterfront-regeneration-denmark/>

Conclusion and future work

Two pilot programs are taking place in Athens and Thessaloniki to test the platform's performance and collect data about its operation. There is a gap between the Greek audience regarding spatial thinking and understanding. More effort on soft skills of participation and expressing opinions on a map is necessary.