

Interdisciplinary Educational Platform for Supporting Urban Biodiversity

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This paper proposes an interdisciplinary educational tool designed to provide information on the importance and support of biodiversity in urban spaces, while also advising the interested public on how to create ecological niches, considering urban constraints such as limited space, exposure, and permeability.

As a learning tool, the platform has two primary educational objectives:

1. to educate the general public and foster conservation-oriented attitudes, with the goal of biodiversity;
2. to educate students by involving them in populating the platform with data and participating in the interactions created through the platform.

The platform was developed in such a way that users are sequentially guided through the analysis of all the peculiarities of abiotic factors. From a human development perspective, as an educational tool, the platform targets biology students who, in a volunteer activity framework, will manage the information made available to the general public, update biodiversity-related information weekly, monitor forum questions, and provide appropriate answers.

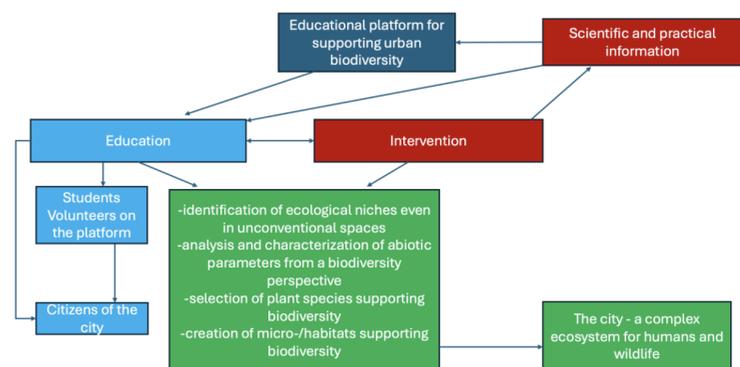
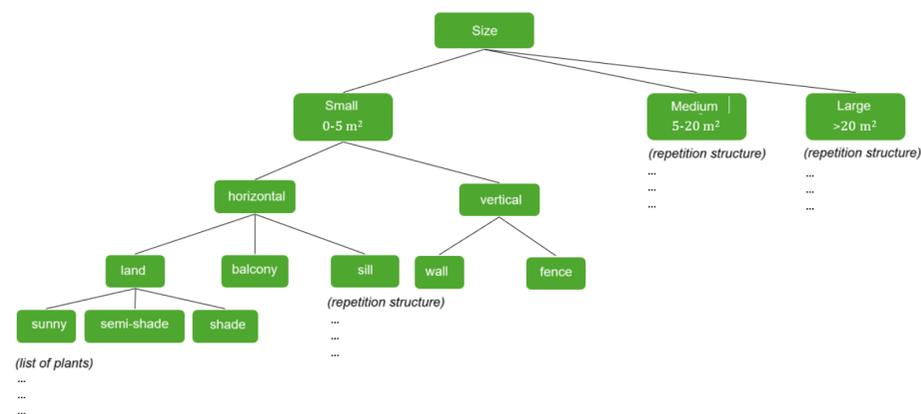


Fig.2 Diagram of the educational platform for supporting urban biodiversity

The central interactive element of the site is a guide in the form of a quiz, which helps users choose the right plants for their spaces. This interactive digital application is intended to optimize the plants selection process, adapted to the specific conditions of the user's environment. It works based on selecting personalized recommendations from a database, considering several determining factors for plant growth and development.



Sectiunile sit-ului

Such a platform dedicated to urban biodiversity could serve as a good tool for educating target groups in order to promote a greener and more sustainable urban environment. The site will focus on providing detailed information about plants suitable for cultivation in urban spaces, but also on developing interactive tools to help users make informed choices about selecting the right plants for various urban areas.

The design of the site is a modern one, which adapts for display on the most common devices, so that users can access the information and interactive tools from mobile phones or tablets. As the user base grows, the design of a newsletter containing information about events and news about urban biodiversity will also be considered.

