

PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 Barcelona SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC ETS AB - Escola Tècnica Superior d'Arquitectura de Barcelona Avenida Diagonal, 649 piso 5 08028 Barcelona-Spain

TECHNICAL DOSSIER

Title of the project	Adaptive Planting Design: Requalification of the Garden of the Nursing School of Porto		
Authors	Catarina Patoilo Teixeira		
Title of the course	Internship		
Academic year	2016/2017		
Teaching Staff	Cláudia Oliveira Fernandes		
Department/Section	n/Program of belonging Department of Geosciences, Environment and Spat	ial Planning /	
Landscape Architecture / Master's degree in Landscape Architecture			
University/School	University of Porto / School of Sciences		

Written statement, short description of the project in English, no more than 250 words The garden of the Nursing School of Porto (NSP) was conceived in 1973. Today it displays a developed and mature green structure with remarkable trees that perform irreplaceable environmental, aesthetical and social services. The garden is located in Porto, Portugal, in an increasing urban context near important health and educational facilities. The passage of time and the relentless transformation of the city had some negative impacts in the garden: the limits changed, decreasing the available area, new functions were hastily implemented, and pavements and structures have become damaged; but the main problem, and most urgent to solve, was related to the phytosanitary condition of the green structure. A strong aphids attack was compromising the health of remarkable trees that were in danger of being felled, while deficient maintenance practices ruined the shrub layer. A requalification proposal was developed with the main focus of rehabilitating the green structure of the garden. Additionally, the overall conservation of the garden as well as the introduction of new functions was also taken into consideration. The main focus of this project was, thereby, the development of an Adaptive Planting Design approach introducing, into the garden, target plant species to solve green structure specific problems. This formula, based on literature review and on new approaches to planting design, defends that a more holistic knowledge of plant performance (simultaneously ornamental, aesthetic and ecological) allows to propose stable communities capable of self-regulating and regenerating, making it possible to multiply the services and maximize the performance of the vegetation.

For further information Máster d'Arquitectura del Paisatge -DUOT - UPC

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Portugal / Porto Porto / School of Sciences 2016/2017 e Nursing School of Porto Catarina Patoilo Teixeira







