

	Country / City	Romania / Bucharest
	University / School	"Ion Mincu" University of Architecture and Urbanism/ Faculty of Urbanism
	Academic year	2nd year of Master's degree
	Title of the project	"Urban Biodiversity in a Parasitic Ecosystem. Study case: Oradea"
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TECHNICAL DOSSIER

Title of the project	"Urban Biodiversity in a Parasitic Ecosystem. Study case: Oradea"	
Authors	Atena-Ioana GÂRJOABĂ	
Title of the course	Diploma project	
Academic year	2nd year of Master's degree	
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Master's Degree/ Urban Planning and Landscape Design Department		

"Ion Mincu" University of Architecture and Urbanism/ The Faculty of Urbanism University/School

Written statement, short description of the project in English, no more than 250 words

Perhaps the most obvious conflict between man and the other components of the biocenosis is the city. The anthropization of a region rich in terms of natural resources affects the flora and fauna specific to the place. The rapid and chaotic development of the city affects the local ecosystems, the urban fabric becoming a void with small islands of biodiversity, represented by green spaces. _____

Considering that the city of Oradea is tangent or even overlaps with Natura 2000 protected natural areas, the valuable natural heritage at territorial level is distinguished. The fact that the areas are arranged approximately diametrically to the city, turns Oradea into an area of their confluence. Thus, there is a need for a strategy to control possible conflicts between the anthropic environment and the natural environment.

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

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CLIMATE CHANGE AGAIN

11th International Biennial Landscape Barcelona

Barcelona





September 2020 SCHOOL PRIZE



GREEN INFRASTRUCTURE NETWORK - PROPOSAL

HUB - Natural areas larger than 10 hectares, with a very low degree of tissue fragmentation / protected natural areas HUF HUB

= 01 GOALS

FRAGMENTED HABITATS -Small green spaces/

forests/ agricultural land, separated by traffic routes or land with different uses MAIN CORRIDOR -

Watercourse / green space arranged linearly, which connects the HUBs

SECONDARY CORRIDOR -

_ Watercourse / green space arranged linearly, connecting SITs / between a SIT and a

SITE - Natural areas smaller than 10 hectares, with a low degree of tissue fragmentation

0 1 00 2

Buildings and improvements Existing Buildings of the wastewater trea plant (acc. to apaoradea.ro)

Mixing chamber Rare and thick grates Denisipator Fat separator

Decanted water pur Distribution tank for decanted water Aeration tanks Secondary decanters Primary sludge pumping station no. Recirculating active sludge pumping

station no. 1, no. 2 Putting anchor Sludge concentrator
Beds drying
Biological ponds

> Other improv Valuable lacustrine vegetation biodiversity specific to the ar

er hall The boiler

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Limits

- Limit of study area Limit of Oradea City, Borş Village Sântandrei Village
- Intra-urban bou /illage, Sânta

- ere" (acc. to The General Pla

al habitats specific to the ted area ROSCI0104 and ROSCI0104 and ROSCI0104 and ROSCI0104 Natural habitats sh

- Salix 6

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Ind

the banks of the crist A

- pecific species and for

- een the water storage basi can be used as a re ding the volume of the water
- . tion tower / belvedere - height Water storage basins prior to the
- discharge in the Crișul Repede river or in ole garden
- Greenhouse = indoor botanical garder
- presentation of species of local
- characteristic flora Cultural / educational center for courses in the field of environment / sustainability and for workshops and competitions for all area - annex of the protected area
- extension of specific habitats; potential space for research projects, workshops in nature, education
- Signal object
 Restaurant
 Greenhouse aquaponics farm

- The Greenbouse aquaponics farm Pools with shells, snalls and fish for water fittration and for milling Fish pards for the production of nitrites and for aquiculture Water storage/basins, prior to discharge to the proposed watanue (1 to fish hasies he proposed wetland / to fish basin Adventure Park
- flying fax Museum of the Environment focuses on detailing the environment specific to the area the local protected natural areas and
- ower starting point of the

DATE





