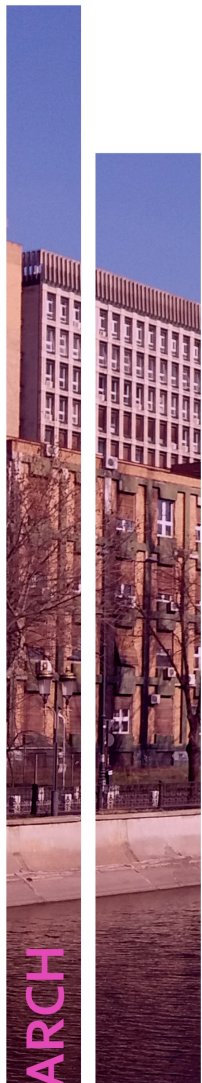


RESEARCH



Dâmbovița_laboratory



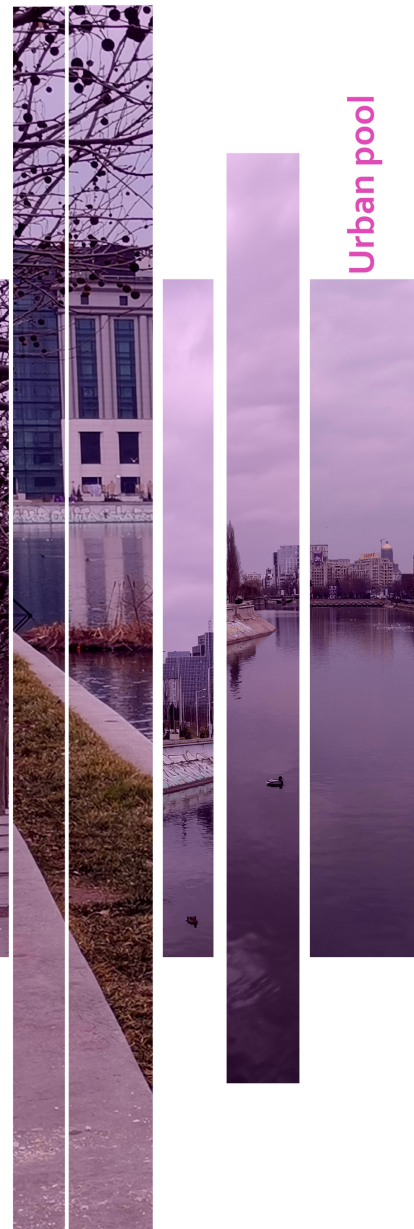
HISTORICAL
IDENTITY



Bridge over time



Urban pool



CULTURE
EDUCATION

Country / City Romania / Bucharest

University / School University of Architecture and Urbanism „Ion Mincu” / Faculty of Urbanism

Academic year 2019/2020

Title of the project Dâmbovița TO BEcome a blue axis

Authors Tiberiu Moise, Antonia Panaitescu, Delia Rusu

TECHNICAL DOSSIER

Title of the project Dâmbovița TO BEcome a blue axis
Authors Tiberiu Moise, Antonia Panaitescu, Delia Rusu
Title of the course Mezzo-landscape design
Academic year 2019-2020
Teaching Staff M Hărmanescu, C Crăciun, A Opris, A Dordea, A Gârjoabă
Department/Section/Program of belonging Master of Landscape and Territory
University/School University of Architecture and Urbanism „Ion Mincu” / Faculty of Urbanism



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

The status quo: Dâmbovița, structural axis on the NW-SE direction is an *invisible* urban river located in the ever-changing city, Bucharest, the capital of Romania. Our choice was to develop a proposal for the central section of the river, the one which crosses the core of the city. Meaning: a myriad of landscapes, from industrial to valuable interwar architectural heritage and to socialist legacy's landmarks. The aim of our proposal is to connect functionally and historically diverse urban areas, using a green-blue axis: Dâmbovița river corridor. We tried to develop our project using a series of research questions, like *How? Who? When? How much? or Where?* Our scenario works at different scales, trying to have an impact both locally (urban acupuncture) and globally (the city and the metropolitan area).

As a working method, we defined three areas of perception on the studied section, taking a position in regard to each area. The three defining features that we identified were research, historical identity and culture and education. Our proposal focused on these features, trying to emphasize (research), capitalize (identity) and improve (culture). Therefore, the three areas that take shape are *Dâmbovița_laboratory*, *Bridge over time* and *The urban pool*. The three stances of our proposal are meant to improve the resilience of the ecosystem and make the river corridor more present in Bucharest.

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

T: + 34 93 401 64 11 / +34 93 552 0842
Contact via email at: biennal.paisatge@upc.edu

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



CLIMATE CHANGE AGAIN

11th International Biennial Landscape Barcelona

Barcelona September 2020
SCHOOL PRIZE

Channel adjustments of Dâmbovița River in 1880



source: „Bucureștii europoan”, Fezi

Dâmbovița riverbank after channel adjustments, 1880-1885



source: „Râul Dâmbovița în București - Sistemul de apărare împotriva inundațiilor”, Stematia, Teodorescu

Dâmbovița in Dealul Spirii area (end of XVIIIth century)



„Bridge over Dâmbovița to Mihai Vodă Highway and to the new royal court”, Watz, Mayer

Dâmbovița before adjustments (1865)



source: „Bucureștii europoan”, Fezi

Covering of Dâmbovița between Piața Națiunilor Unite (Senatului) and Unirii (interwar)



„Săptămâna trecută a avut loc recepționarea oficială a planșului de pe Dâmbovița. Fotografia noastră înfățișează Dâmbovița sub planșul și comisia controlând sub planșul, rezistența lui.”

„sursa: „Realitatea Ilustrată”, nr.476, martie 1936

Cotroceni and Grozăvești neighbourhoods, aerial view (1925-1930)

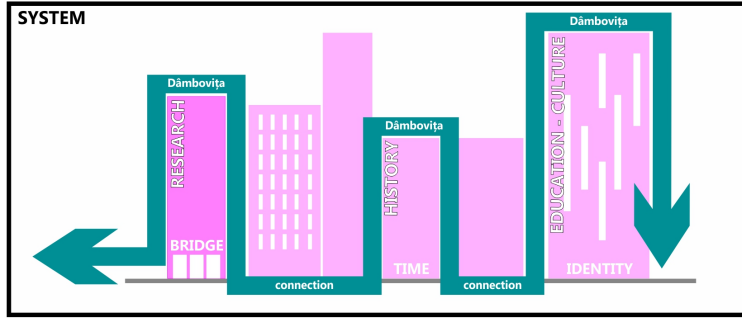


sursa: „Obiectia Emanuel Bădescu



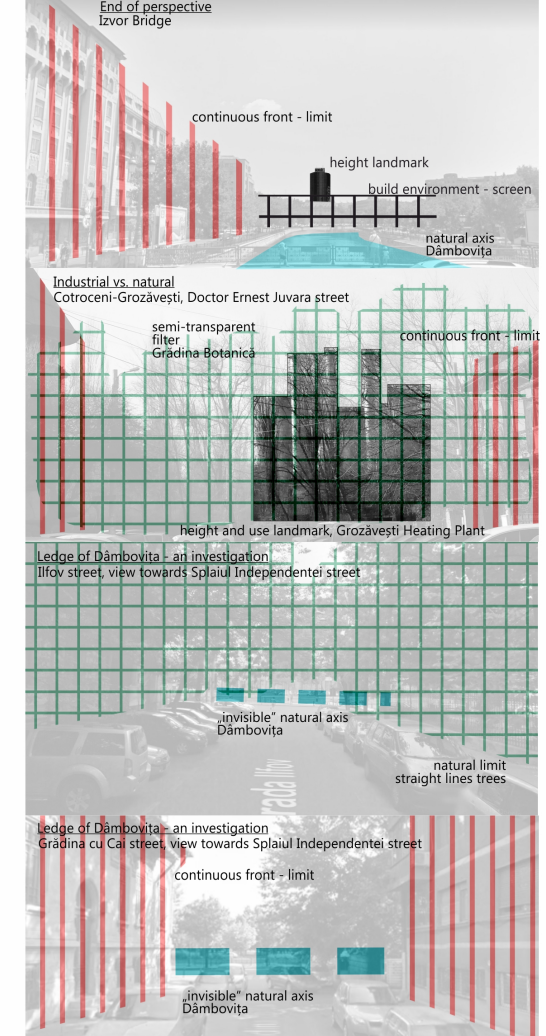
WHAT do we expect? concept

- Botanical Garden
- Theme garden - cercetare medicală - dendrologică
- Theme garden - cercetare terapie prin sunet
- Theme garden - cosmică (reinterpretare toponimie Cartierul URNAUS)
- Unirii Park - subzonă predominant activă noaptea
- University campus
- Schooling
- Parks / Public gardens / Public squares



- Nautical tourism route_Casa Radio - Lacul Morii
- Floating platforms for open-air events
- Floating gardens
- Nautical tourism route_Casa Radio - Unirii Square
- Nautical sports
- Nautical tourism route_National Library - Constanța

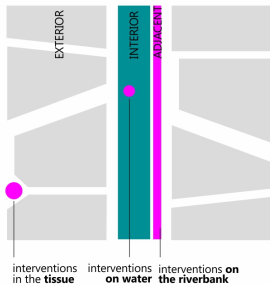
Layered perception of landscape



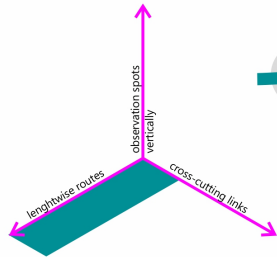
Our proposal contributes to Quality Education (SDG4), Sustainable cities and communities (SDG11), Climate Action (SDG13), Life Below Water (SDG14), Life on Land (SDG15)

HOW? planning principles

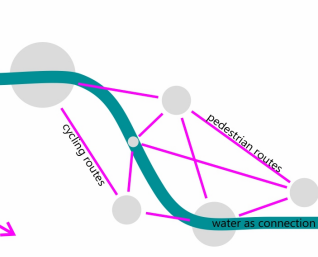
locating interventions



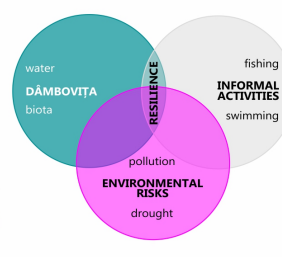
rising public water access



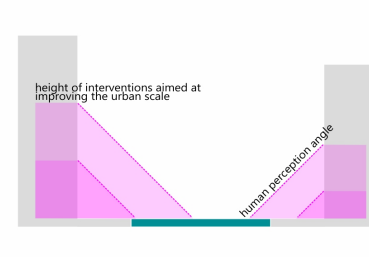
developing Dâmbovița as a resilient ecosystem



developing a green-blue infrastructure system

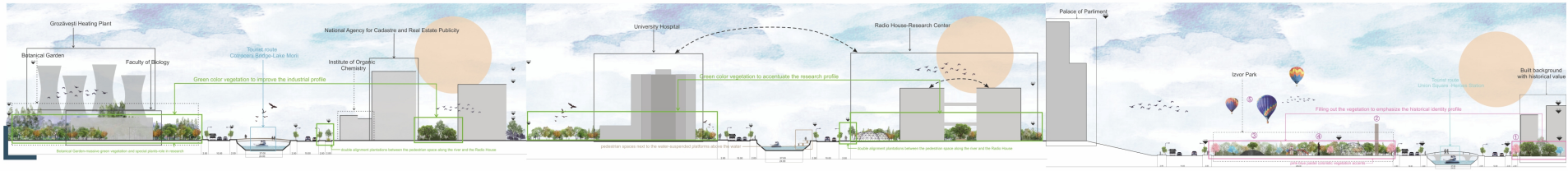
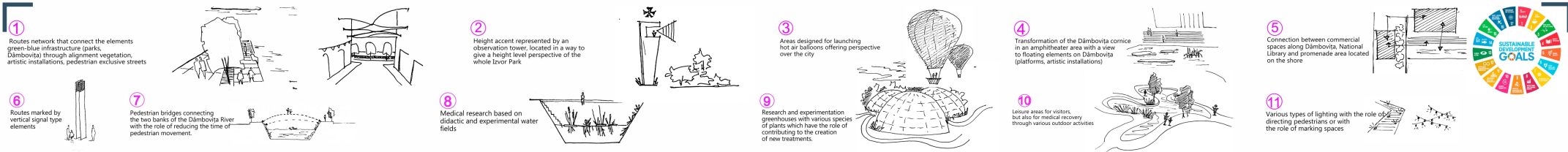


inflicting a human scale to the waterfront



dâmbovița „laboratory” experimental landscape design

WHAT?	bridge over time	„urban pool”
<p>types of interventions</p> <p>redesigning public spaces + new landscape design + landscape restoration + functional reconversion / introducing new activities / wide and narrow surfaced interventions</p>	<p>redesigning public spaces + new landscape design + landscape restoration + built environment restoration (facade interventions) / boost existent activities / wide, middle and narrow surfaced interventions</p>	<p>redesigning public spaces + new landscape design + built environment restoration (facade interventions) / boost existent activities + introducing new activities / middle and narrow surfaced interventions</p>
<p>types of users</p> <p>researchers + students dwellers tourists</p>	<p>dwellers hobby fishers tourists</p>	<p>pupils + students athletes dwellers tourists</p>
<p>time of usage</p> <p>day activities / night activities </p>	<p>day activities / night activities </p>	<p>day activities / night activities </p>
<p>comparative percentage of usage of public space related to Dâmbovița River</p> <p>min max</p>	<p>min max</p>	<p>min max</p>



	Castanea sativa		RANK 0 very high vegetation
	Betula pendula Yungii		RANK 1 high vegetation
	Magnolia soulangeana		RANK 2 medium height vegetation
	Cyperus papyrus		RANK 3 lower height vegetation
	Lonicer caprifolium		
	Pennisetum orientale		
	Cotoneaster horizontalis		

	Salix babylonica		RANK 0 very high vegetation
	Catalpa Bignoniodes		RANK 1 high vegetation
	Prunus Cerasifera Nigra		RANK 2 medium height vegetation
	Euonymus alatus Compactus		RANK 3 lower height vegetation
	Impatiens cylindrica		
	Allium giganteum		
	Carex pensylvanica		

	Pawlonia tomentosa		RANK 0 very high vegetation
	Betula pendula Yungii		RANK 1 high vegetation
	Albizia julibrissin		RANK 2 medium height vegetation
	Wisteria floribunda alba/ Wisteria sinensis		RANK 3 lower height vegetation
	Muhlenbergia Capillaris		
	Yucca glauca		
	Thymus serpyllum		

Ranks of height - vegetation

- RANK 0 very high vegetation > 8.0 m
- RANK 1 high vegetation 2.6 - 8.0 m
- RANK 2 medium height vegetation 1.1 - 2.5 m
- RANK 3 lower height vegetation < 1.0 m



***note** The proposal plan follows the current Romanian law in urban and territorial planning, which uses U.T.R. (Referential Unit of Territory) as a way of classifying the administrative area of an urban settlement.

