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University / School University of Brasilia (UnB) / Faculty of Architecture and Urbanism

Academic year Title 2 / 2013

of the project Beyond Brasilia Acoustic Shell: the Jaburu Urban Park and the Shell Cultural Center

Authors Giselle Marie Cormier Chaim





# PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

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SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC

ETSAB- Escola Tècnica Superior

d'Arquitectura de Barcelona

Avenida Diagonal, 649 piso 5

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## TECHNICAL DOSSIER

Title of the project	Beyond Brasilia Acoustic Shell: the Jaburu Urban Park and the Shell Cultural Center
Authors	Giselle Marie Cormier Chaim
Title of the course	Architecture and Urbanism Graduation Final Projects
Academic year	2 / 2013
Teaching Staff	Profa. PhD Luciana Sabóia Fonseca Cruz
Department/Section/Program of belonging	Department of Projects, Expression and Representation / Architecture and Urbanism Undergraduate Program
University/School	University of Brasilia (UnB), Brazil / Faculty of Architecture and Urbanism

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

Continuity of the Monumental Scale in the heart of the Bucolic Scale of Brasilia, the modernist capital of Brazil. Testimony of the history of construction new capital - the Acoustic Shell and the Museum of Art. And the great garden of Niemeyer's most emblematic project, the Alvorada Palace. This is the situation of the Central Peninsula, a sensitive region, site to this project. The ideal project by Lucio Costa for the common use and enjoyment of the landscape on the shores of Paranoá Lake was distorted throughout the years due to an unfortunate logic of occupation. It is a region that suffers from real estate speculation, with the de-characterization of the original settlement of Vila Planalto, with the proliferation of residential complexes by the Lake and with the establishment of a sprawling irregular occupation in the Park of Multiple Uses, designed by Costa but never implemented. Facing this challenge, this project aims to regenerate the urban space of the Alvorada Peninsula and redeem its character through the proposal of the Jaburu Urban Park and the Acoustic Shell Cultural Center, in which the main guidelines that guided the project have been the creation of leisure, education, culture and art areas, the priority to public access to the waterfront and the recovery of the landscape. Furthermore, the combination between art and nature as active elements in the regeneration process have been the principles that determined the design.

For further information

**Máster d'Arquitectura del Paisatge -DUOT - UPC**

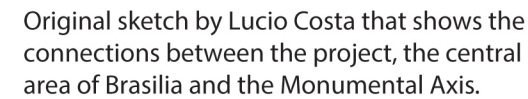
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Consult the web page <http://landscape.coac.net/>

Despite his recommendation, the park was never designed and the original landscape design of the Alvorada Peninsula has been extremely reconfigured for more than 50 years. In this scenery, the Acoustic Shell shore remains the only public access to the lake.

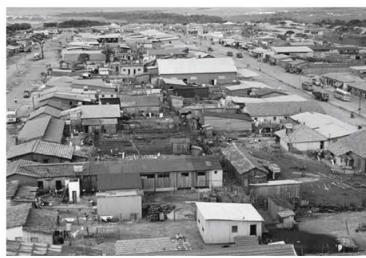
The party of the project has two distinct scales: the park and the cultural center of the Shell. The park was delimited by two main roads. The first, Avenue of the Nations, linked to the Monumental Axis, maintains the landscape characteristics of the *cerrado*, where the landscape prevails until the arrival of the Alvorada Palace. In the second, an axis of the daily life was established, the route of Hotels and Tourism Sector, a green boulevard lined with leafy trees that offer shade to the passerby, frequenter of the park and the space of the Shell. In the interior of the park another axis of activities is established, intersected by the paths of the park and the high passages that connect to the other margin of the peninsula.





## The Alvorada Palace Peninsula

Relation to the city



**VILA PLANALTO**  
TRADITIONAL SETTLEMENT

In 1956, with the installation of the first settlements for the pioneers of the construction of Brasília, Vila Planalto emerged. It was formed basically by temporary houses, all in wood, and the neighborhood was maintained by the construction companies. Despite the social conquests of its original inhabitants, due to real estate speculation and the very close location to Brasília's central area, much of the original settlement was lost. With about 14 thousand inhabitants, Vila Planalto has cultural groups, artists and local artisans, as well as several restaurants with varied cuisine. Today is a potential gastronomy pole and focus of interest in Brasília.

### THE LAKE & THE SHORE BUCOLIC SCALE

The bucolic scale guarantees to Brasília its characteristic of Garden-city. Like the green areas, the shore of Paranoá Lake is an expressive element of the bucolic scale and dialogues directly with the natural and constructed landscape of the city, as mentioned by Lucio Costa in Brasília's

"The extensive free areas, being densely forested or guarding the native vegetation cover, directly contiguous to built areas, mark the presence of the bucolic scale."



### THE ACOUSTIC SHELL

Project - Oscar Niemeyer  
Date - 1969

The open amphitheater in the margins of Paranoá Lake was once the main space for art in Brasília. Nowadays, the space is abandoned and does not have infrastructure to support the cultural activities that once happened. Even so, the Shell shore remains as the only area of free access to the population in the Alvorada Peninsula.

### MUSEUM OF MODERN ART (MAB)



Created in 1985, housed a series of Brazilian paintings, drawings, sculptures, prints and installations. Disbanded from other

cultural activities, MAB has remained closed for some time and its collection has been transferred to the National Museum. Despite that, there is a proposal for renovation of the space and a great popular mobilization for its reopening.

### BRASILIA PALACE HOTEL

Project - Oscar Niemeyer  
First building of Brasília  
Date - 1958



### THE ALVORADA PALACE

Official residence of the Brazilian President, the palace is one of the most emblematic works by Oscar Niemeyer and connects symbolically with the Monumental Axis as a design premise, being the extreme point of articulation between the Three Powers Square and the Esplanade of the Ministries.

### VILA PLANALTO DEVASTATED CERRADO VEGETATION AREA

### PRESERVED CERRADO VEGETATION AREA

Ecological Reserve.  
Inaccessible area.

### CONNECTION BETWEEN THE SITE AND BRASILIA'S MONUMENTAL SCALE

To the project of Brasília, Lucio Costa created the Monumental Scale, which contributes sense of the capital, where monumentality confers to the most emblematic buildings of the city its symbolic value. In Monumental Scale, the monuments and the empty spaces created between them confer the nobility of the set, that begins in the Esplanade of the Ministries and ends in the Alvorada Palace.

### GREEN AREA | DESIGNED FOR THE "JABURU URBAN PARK"

In the documents "Brasília 1967-1985" and "Brasília Reviewed", Lucio Costa expressed concern about the situation of the disorderly growth of Vila Planalto traditional settlement. He then suggested the project of the Jaburu Park, with which the great free area in the access to the Alvorada Palace would be preserved. In 2003, Brasília's Government created the Park, but the project was never implemented. The geographically and spatially sensitive region has currently about 120 farms, all of them in an irregular situation, occupying an area of approximately 23 hectares.

### JABURU PALACE JABURU LAGOON

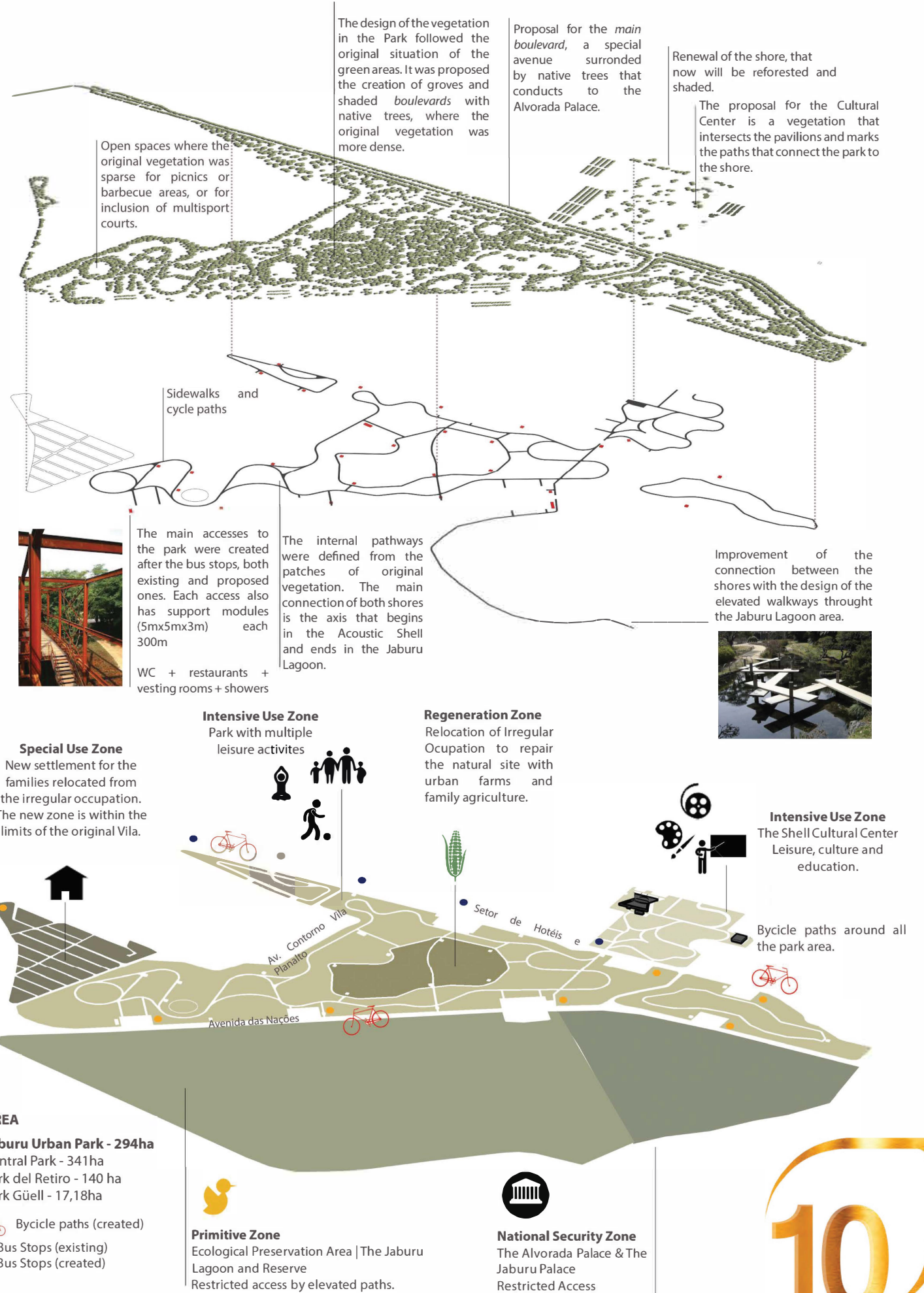
Residence of the vice-president of Brazil. Inaccessible area.

Brasília | Garden-City

Routes & Tours

Zoning

## The Jaburu Urban Park



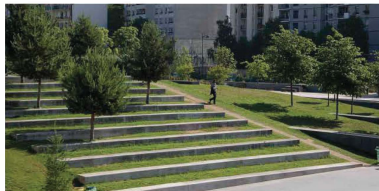
References & Project concepts



Convento das Clarissas, Ronchamp  
Renzo Piano Building Workshop



Rolex Learning Center, Lausanne  
SANAA



Parc de la Cour du Maroc, Paris  
Michel Corajoud



Ibirapuera Park, São Paulo  
Oscar Niemeyer



Serpentine Gallery Pavillion 2009, London  
SANAA



Teshima Art Museum, Japan  
Ryue Nishizawa



Serpentine Gallery Pavillion 2012, London  
Herzog & De Meuron

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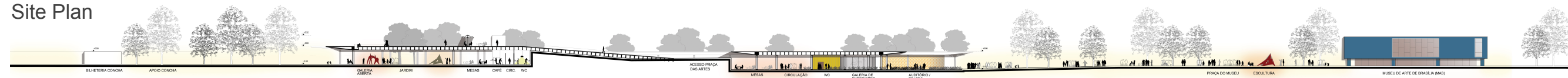
## THE ACOUSTIC SHELL CULTURAL CENTER

Within the Jaburu Urban Park, the chosen area for the development of leisure, culture and educational activities had as main objective to value the currently potentialities of Niemeyer's Acoustic Shell and Brasilia Museum of Modern Art, as well as the wide terrain between them. The curves of the new buildings, carefully designed in the topography of the place, are in dialogue with the existing circular shape of the Shell. The routes become public spaces, empty voids that open to the landscape and that free space for the works of itinerant artists or for small cultural fairs. The project composition is formed by three pavilions articulated by a central square located between the Shell and the Museum of Art. The buildings are configured by large slabs that pop up from the topography, turning into *belvederes* for the appreciation of the view both of the lake in front and of the park in the back.

The slabs, that also work as roofing, are drawn by the same curvilinear sketch of the paths designed to the Park. Structurally, the system is composed by concrete ribbed slabs that have been carefully designed to accommodate paths on the top of them. Sometimes, in the border of the building, the inversion of the concrete rib turn into furniture for contemplation of the landscape by the visitor. On the ground level, under the slabs, socio-cultural and artistic activities gain space freely between the *pilotis* and the gardens, which refer to the original conception of free circulation in the Brasilia "superblocks", as if visitors were "under the block". The horizontality of the curvilinear planes that make up the pavilions frames the landscape at the same time as zenithal openings in the cover bring luminosity to the interior and guarantee the prevailing winds circulation, besides providing the visual permeability of the architectonic set with the landscape.



Site Plan



Transversal Section

Cultural Pavillion

Leisure Pavillion

Museum of Art



Educational Pavillion



Leisure Pavillion



Cultural Pavillion

