



Faculty of Design

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Micro-Architectures V.2: A practical experiment on how to design with uncertainty

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**Micro-Architectures V.2: A practical
experiment on how to design with
uncertainty**

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Diego Fagundes da Silva

Belo Horizonte - Brazil





Topics of the Presentation:

- **The 3 Contexts**
- **Designing the Design Process**
- **The Workshop**
- **Some Considerations**

The Context

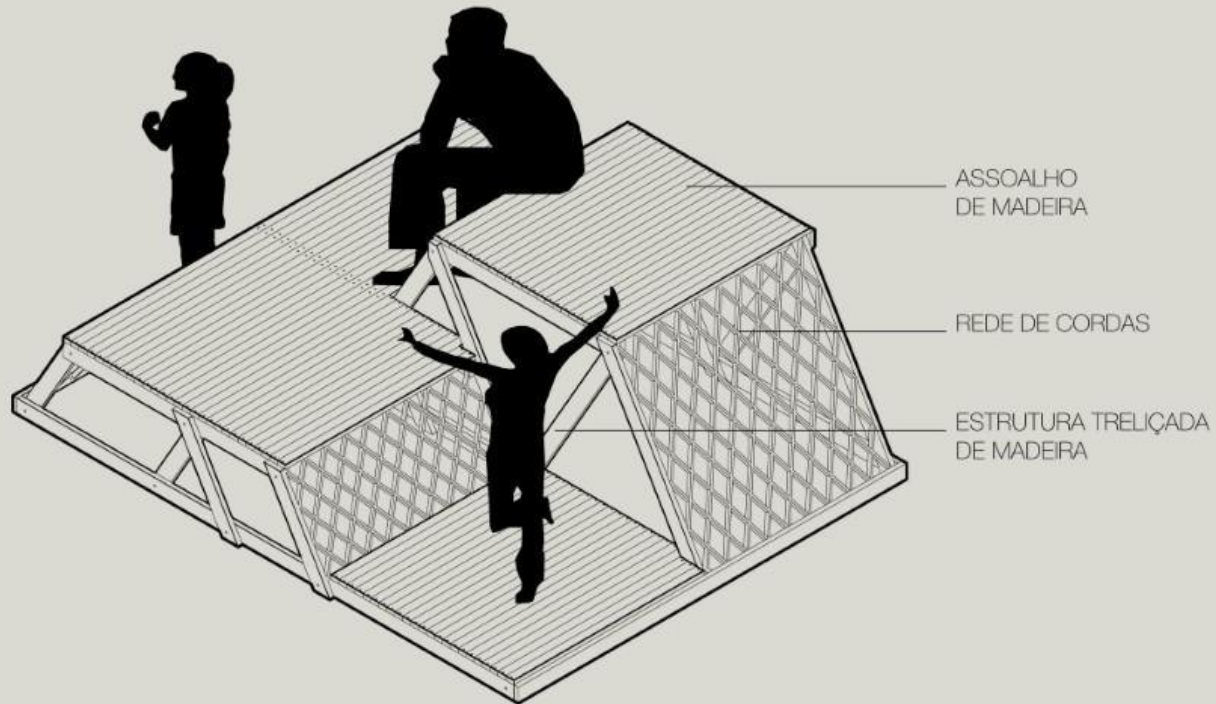
#1

A photograph of a wooden micro-architecture structure on a grassy hill. The structure is made of light-colored wood and has a flat, rectangular platform base. It is surrounded by a wooden frame with a net-like mesh on the sides. In the background, there is a body of water, a city skyline, and a long wooden pier extending into the water. The sky is overcast.

Micro-Architectures V.1

2014 - Florianópolis - Brazil

MANIFESTO #01 ESPACIAL



MICRO
ARQUITETURAS

E OUTROS MANIFESTOS ESPACIAIS



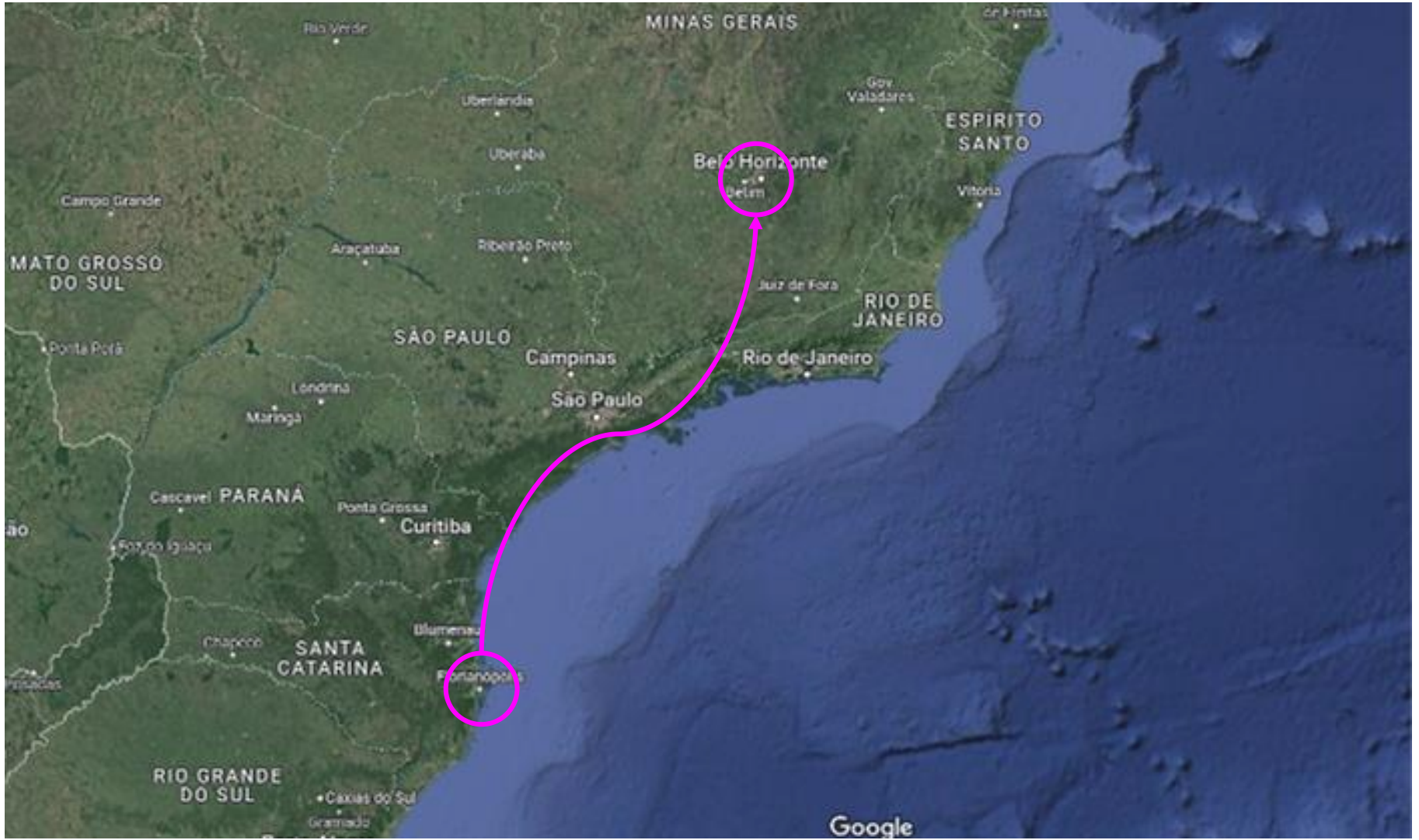


RSD11 - Session 15 architecture & planning - Micro-Architectures V.2





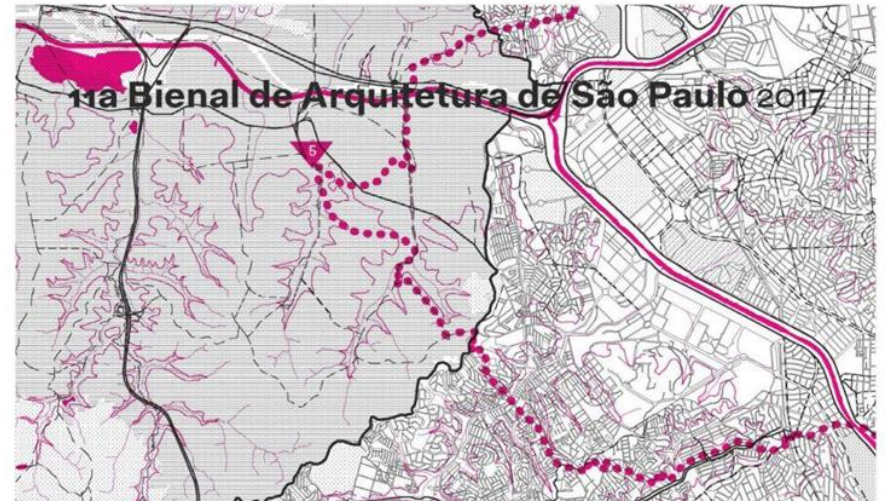




The Context

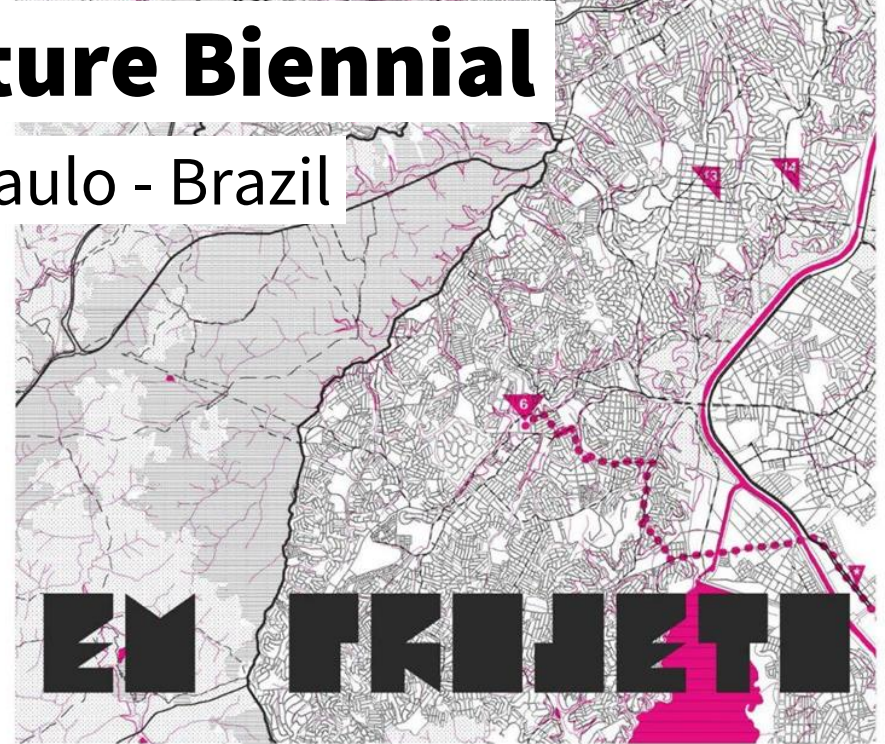
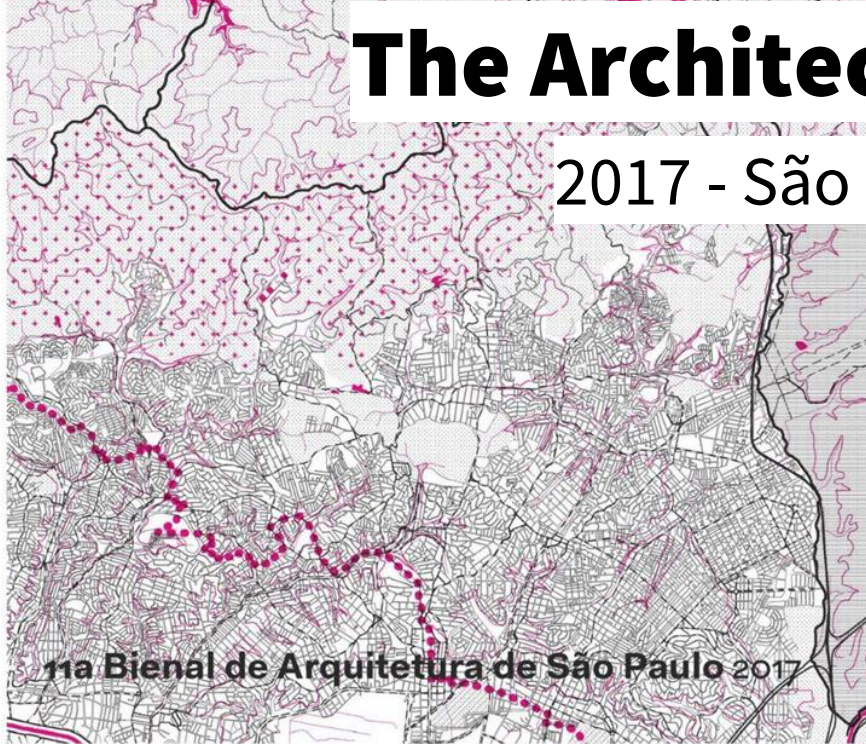
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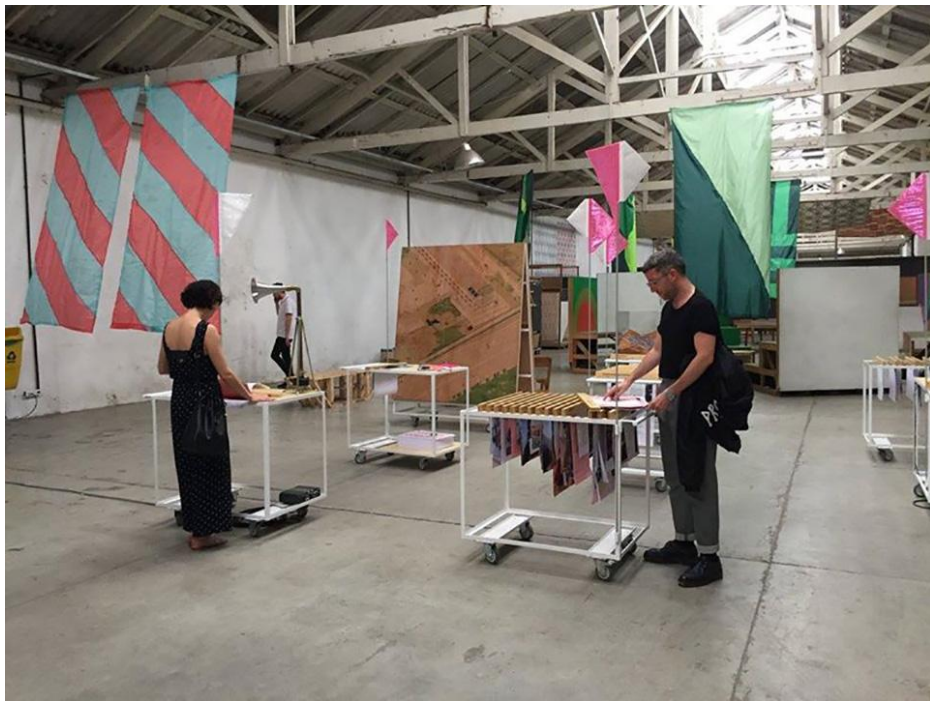
Poster designer: Julia Masagão



The Architecture Biennial

2017 - São Paulo - Brazil

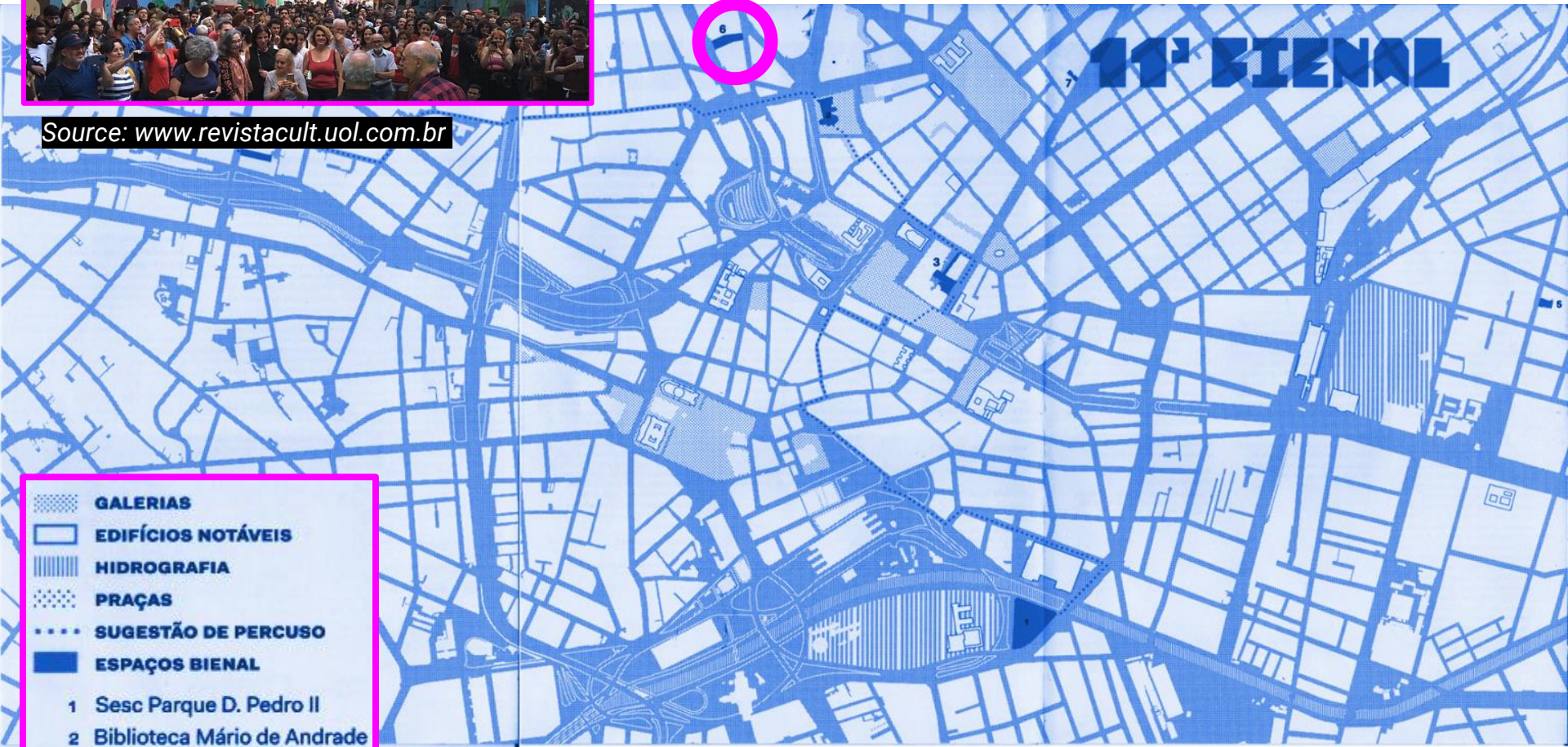










RSD11 - Session 15 architecture & planning - Micro-Architectures V.2



Source: www.revistacult.uol.com.br



-  GALERIAS
 -  EDIFÍCIOS NOTÁVEIS
 -  HIDROGRAFIA
 -  PRAÇAS
 -  SUGESTÃO DE PERCUSO
 -  ESPAÇOS BIENAL
- 1 Sesc Parque D. Pedro II
 - 2 Biblioteca Mário de Andrade
 - 3 Praça da Artes
 - 4 Vila Itororó Canteiro Aberto
 - 5 Casa do Povo
 - 6 Ocupação 9 de Julho
 - 7 FICA

Source: https://www.iabsp.org.br/bienais_anteriores/

The Context

#3

9 de Julho Squat

São Paulo - Brazil



Source: Leo Liberman (<https://saopauloantiga.com.br/inss/>)



Source: www.observatoriodasmetroles.net.br



Source: www.fna.org.br

OCUPAÇÃO 9 DE JULHO

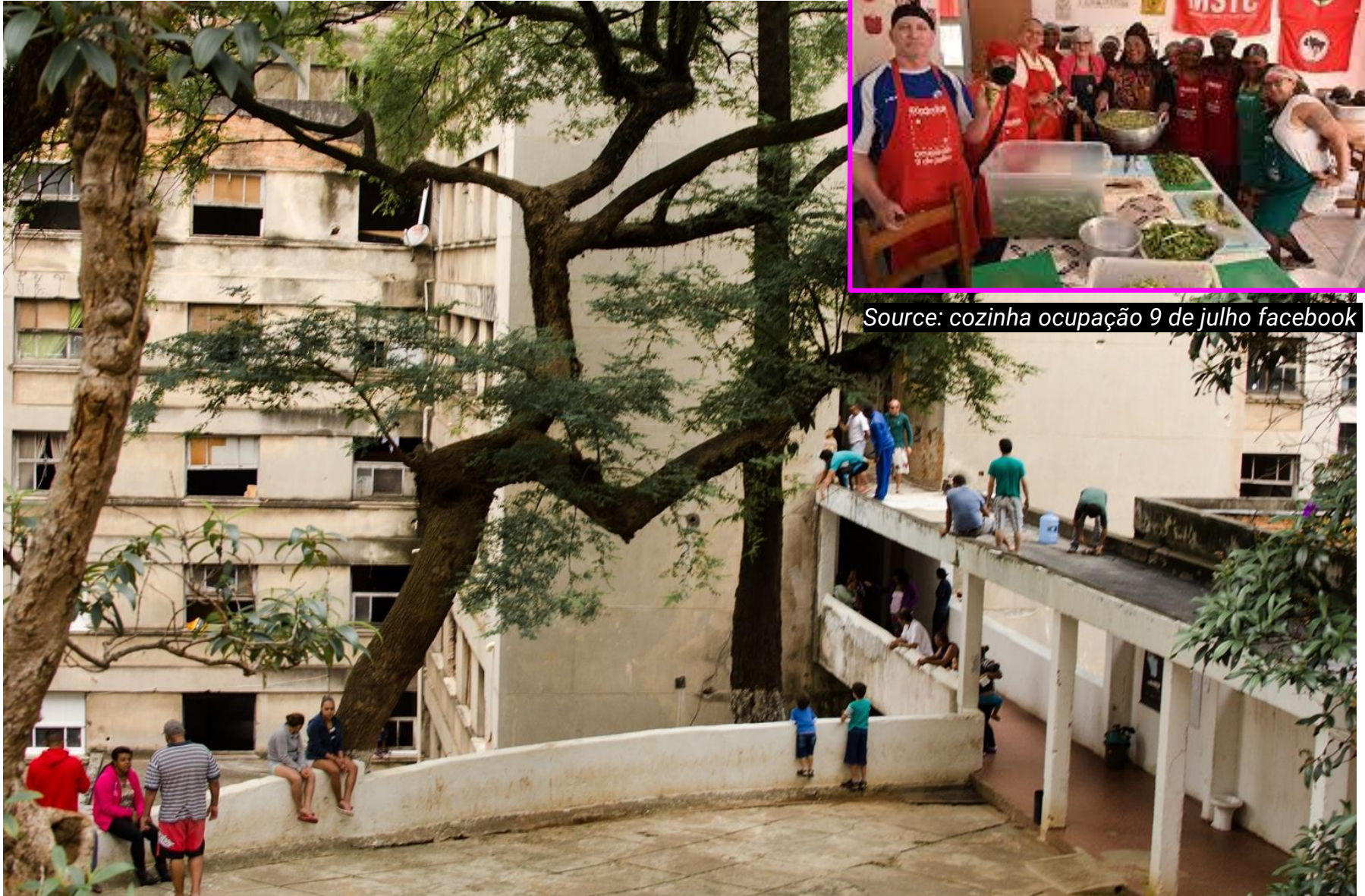
9 DE JULHO SQUAT
CENTRO / DOWNTOWN, SÃO PAULO



- A ESPAÇOS COLETIVOS E ATIVIDADES CULTURAIS / COLLECTIVE SPACES AND CULTURAL ACTIVITIES
- B BIBLIOTECA E CRECHE / LIBRARY AND DAY CARE CENTER
- C QUADRA POLIESPORTIVA / SPORTS COURT
- D HORTA COMUNITÁRIA, GAZEBO E CHURRASQUEIRA / COMMUNITY GARDEN, GAZEBO AND BARBECUE

Source: Studio X Rio

Source: Jeroen Stevens

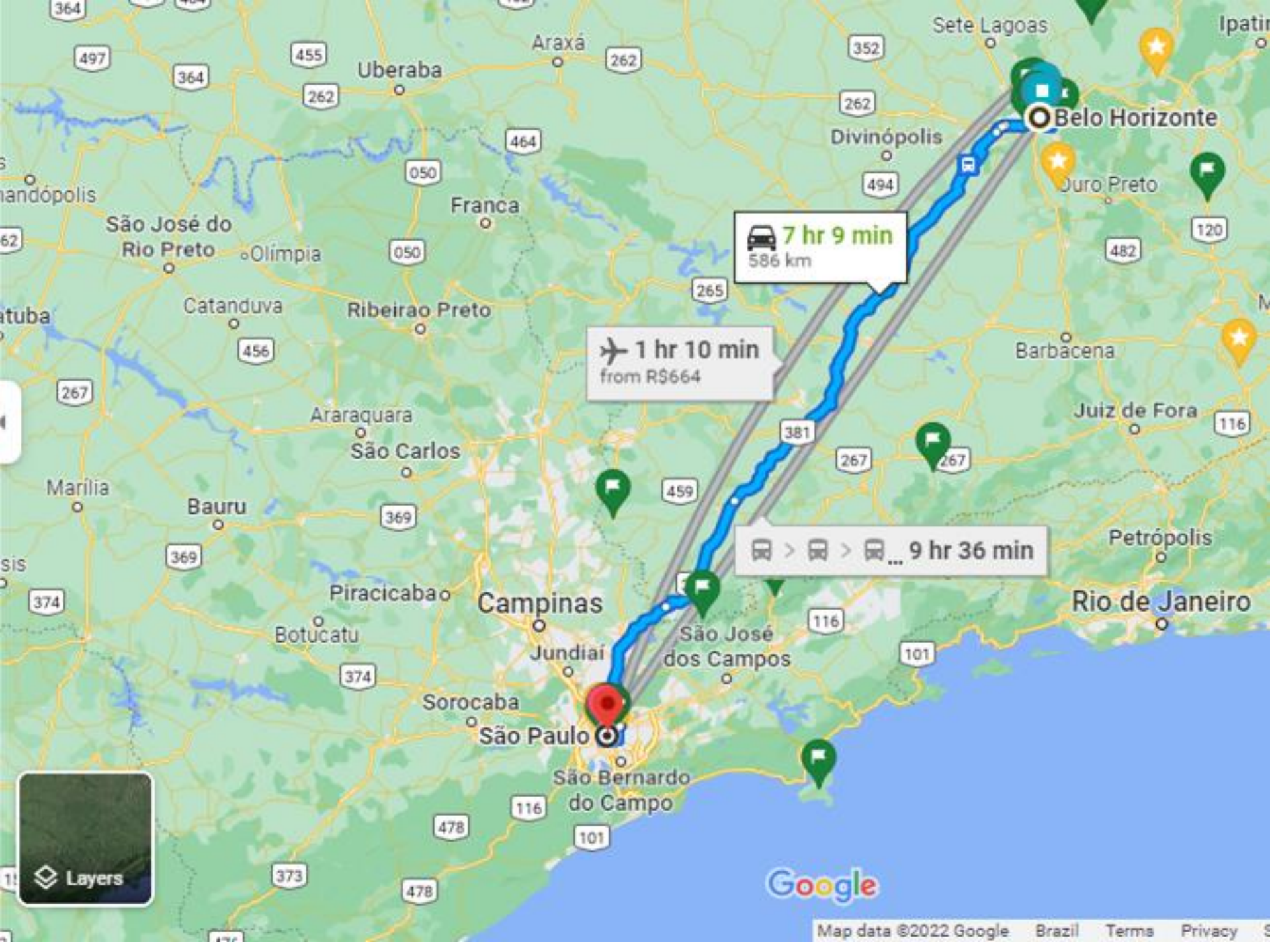


Source: cozinha ocupação 9 de julho facebook






Micro-Architectures V.2

2017 - São Paulo - Brazil




 **7 hr 9 min**
586 km

 **1 hr 10 min**
from R\$664

 >  >  ... **9 hr 36 min**

 Layers

Google



Designing the Process

System of systems



Design Values:

- Don't impose a finished project
- Adaptation to the context
- Modular framework applicable in different scenarios



Initial Constraints:

1 - Use of wood as main material

Initial Constraints:

2 - Use of metal joints



Initial Constraints:

3 - Playful interfaces for conversation (games)

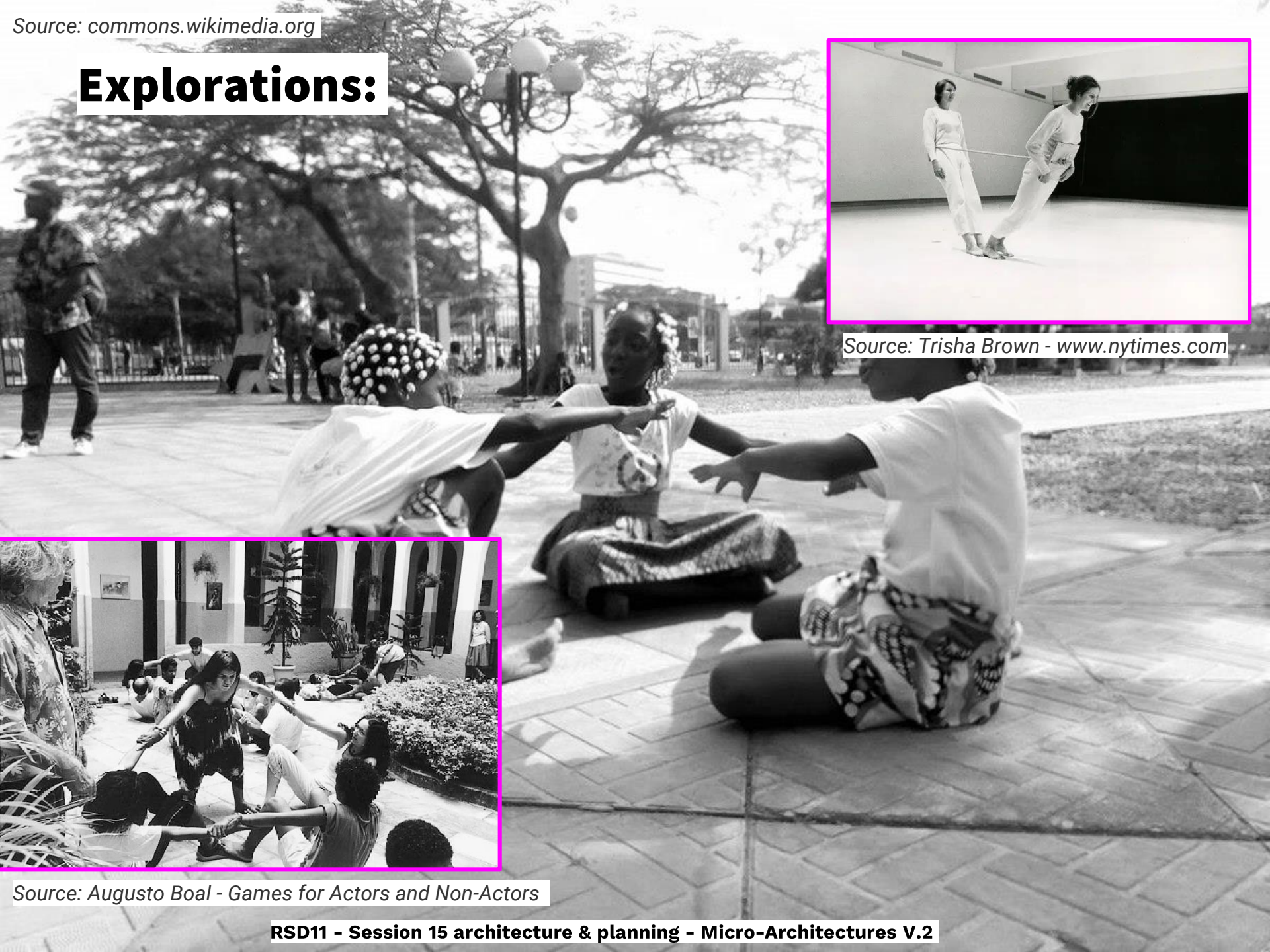
The System:

Explorations

Systematizations

Construction

Explorations:



Source: Trisha Brown - www.nytimes.com

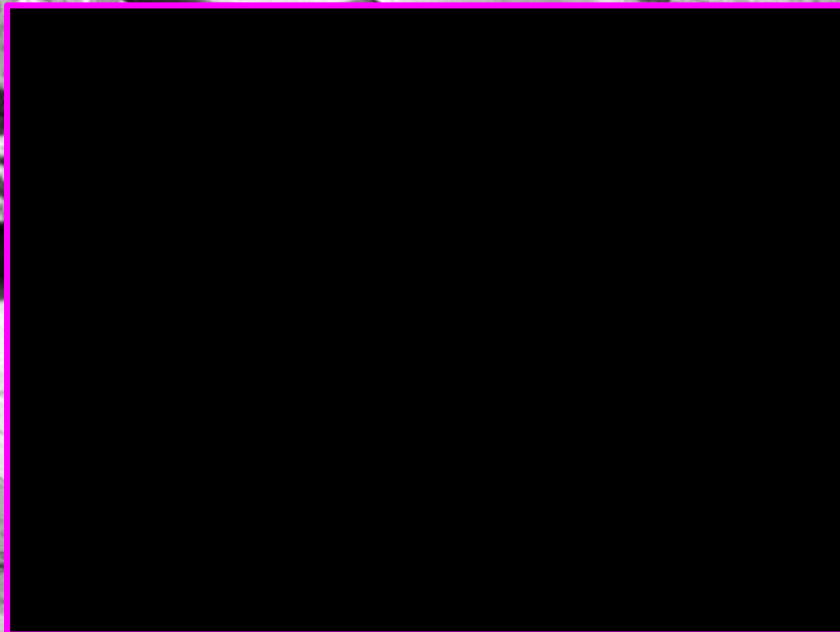


Source: Augusto Boal - *Games for Actors and Non-Actors*

Explorations:



Source: Trisha Brown - www.nytimes.com



Source: Augusto Boal - *Games for Actors and Non-Actors*

Systematizations:

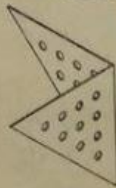
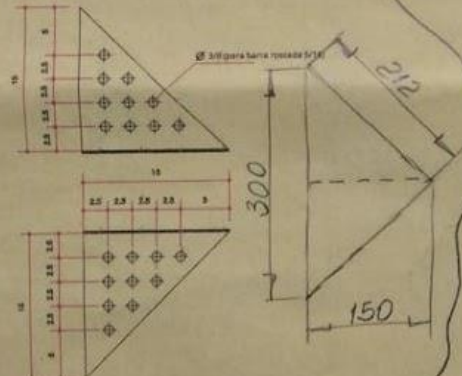

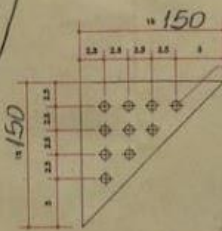
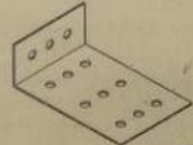
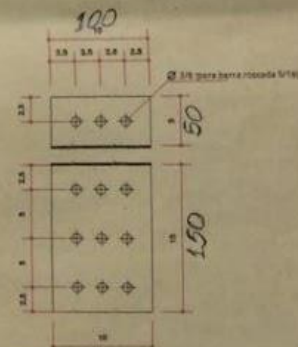


Game design process evolution

Systematizations:

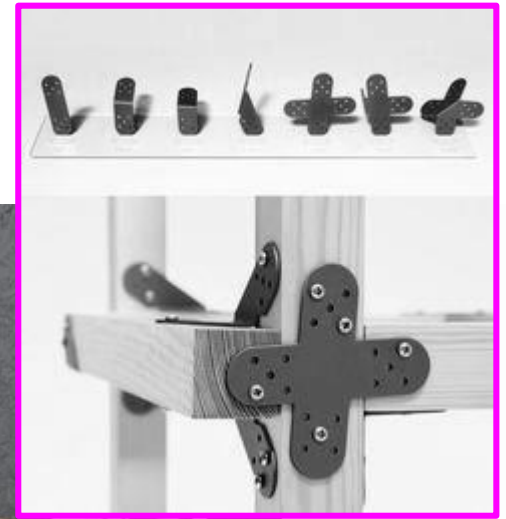
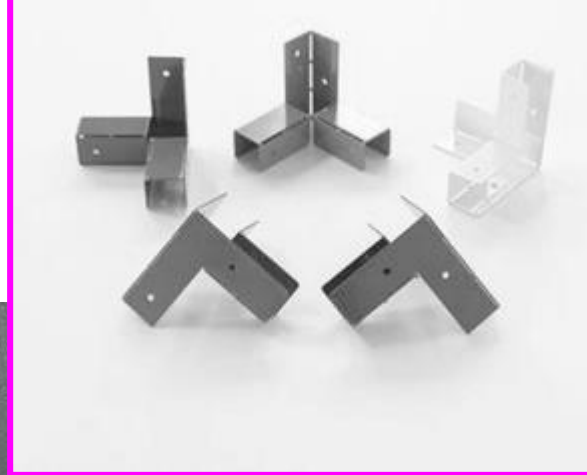


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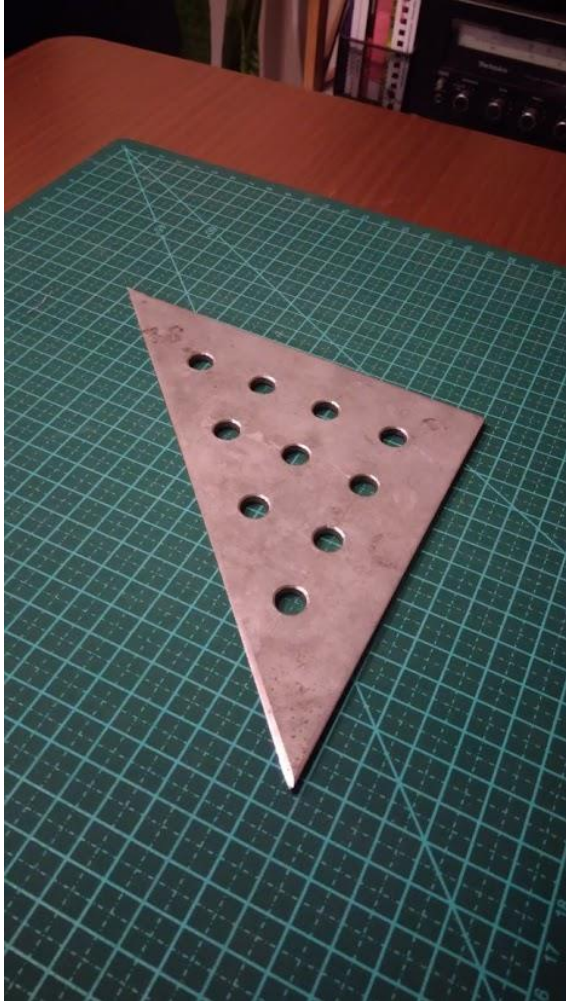
<p>CANTONEIRA TRIANGULAR DOBRADA ①</p> <p>ESPESSURA DA CHAPA: 1/8 pol.</p> <p>QUANTIDADE: 50</p> <p><i>R\$ 12,40/pç x 30 R\$ 372,00</i></p> <p>ISOMÉTRICA DE REFERÊNCIA SEM ESCALA</p>  <p>VISTAS ESCALA: 1/5</p> 	<p>CANTONEIRA TRIANGULAR PLANA ②</p> <p>ESPESSURA DA CHAPA: 1/8 pol.</p> <p>QUANTIDADE: 15</p> <p><i>R\$ 6,50/pç x 15 R\$ 97,50</i></p> <p>ISOMÉTRICA DE REFERÊNCIA SEM ESCALA</p>  <p>VISTA ESCALA: 1/5</p> 	<p>CANTONEIRA RETANGULAR DOBRADA ③</p> <p>ESPESSURA DA CHAPA: 1/8 pol.</p> <p>QUANTIDADE: 30</p> <p><i>R\$ 11,00/pç x 30 R\$ 330,00</i></p> <p>ISOMÉTRICA DE REFERÊNCIA SEM ESCALA</p>  <p>VISTAS ESCALA: 1/5</p> 
<p>OBSERVAÇÕES: VALOR TOTAL: R\$ 799,50 AS PEGAS SERÃO PINTADAS C/2 DEMÃOS DE TINTA ESMALTE SINTÉTICO PRAZO: 5 DIAS</p>		<p>CONTATO: ANA 33393-2283</p> <p>DATA: OUTUBRO/2017</p> <p>CANTONEIRAS E JUNÇÕES V1.0</p>

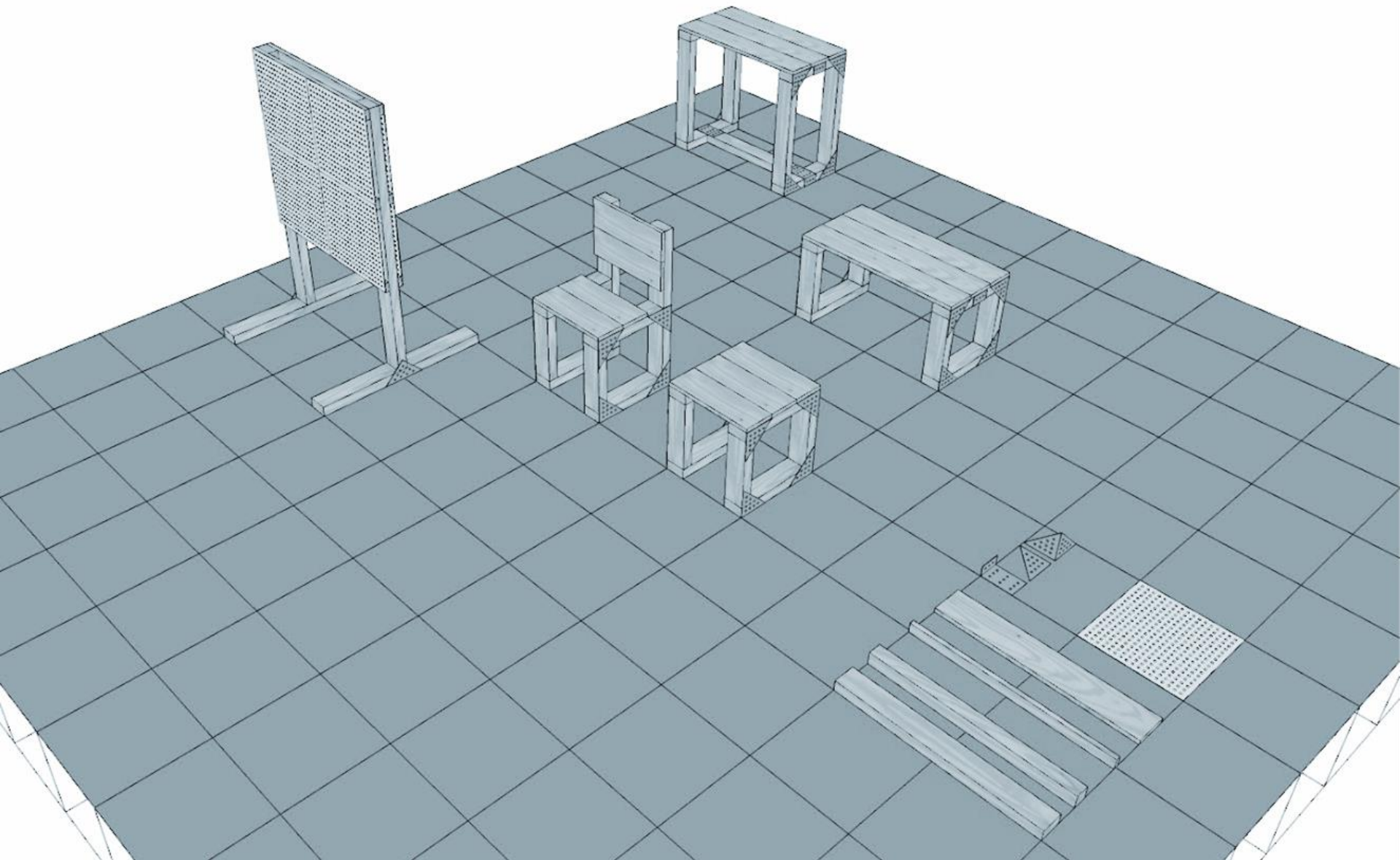


Construction:

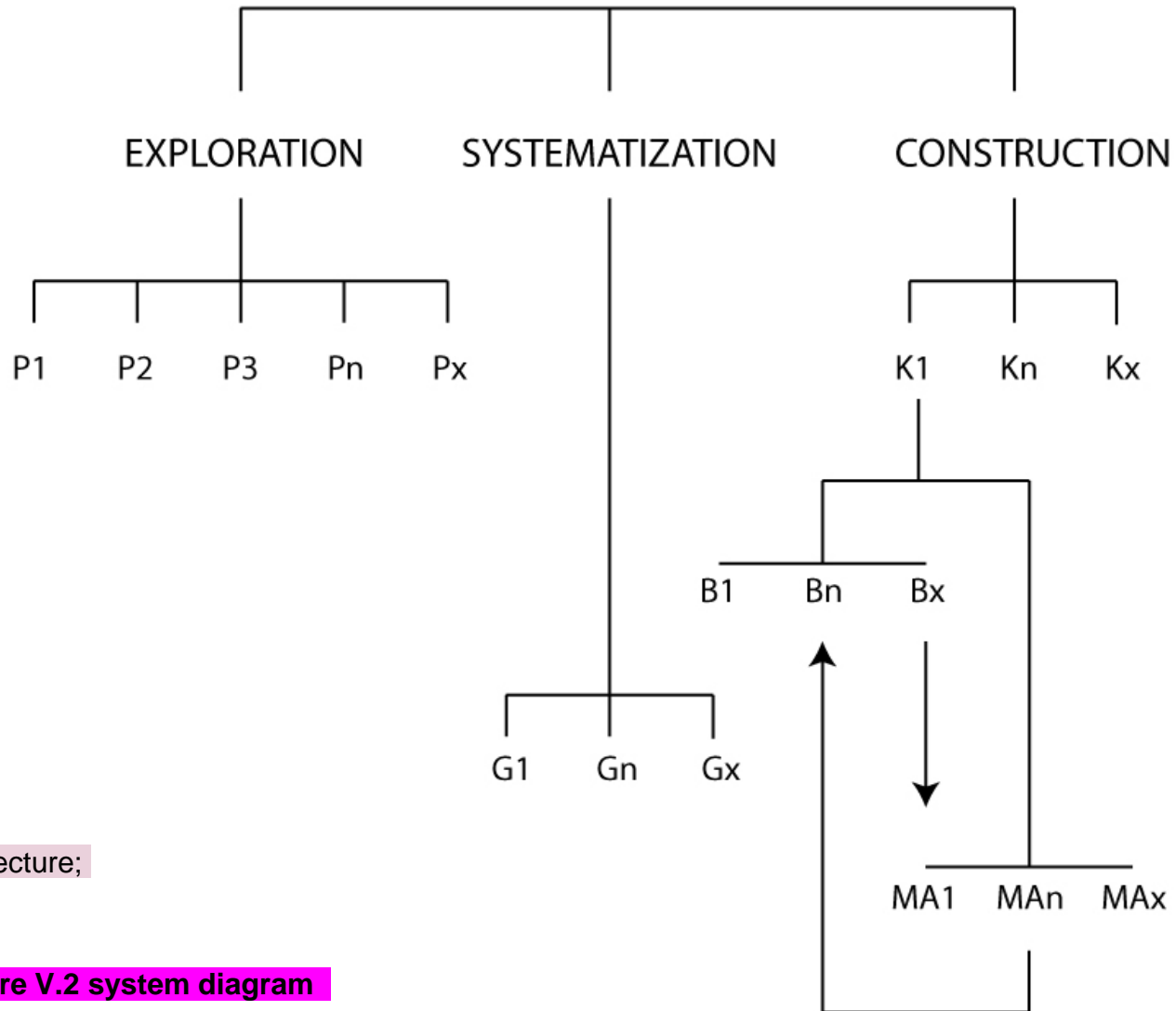


Construction:





MICRO-ARCHITECTURES V.2



P= Plays;

G= Game;

K= Kit;

B= Block;

MA= Micro-Architecture;

Micro-Architecture V.2 system diagram

The Workshop

2017 - São Paulo - Brazil





Group Plays

a way of exploring the relationship between body and space

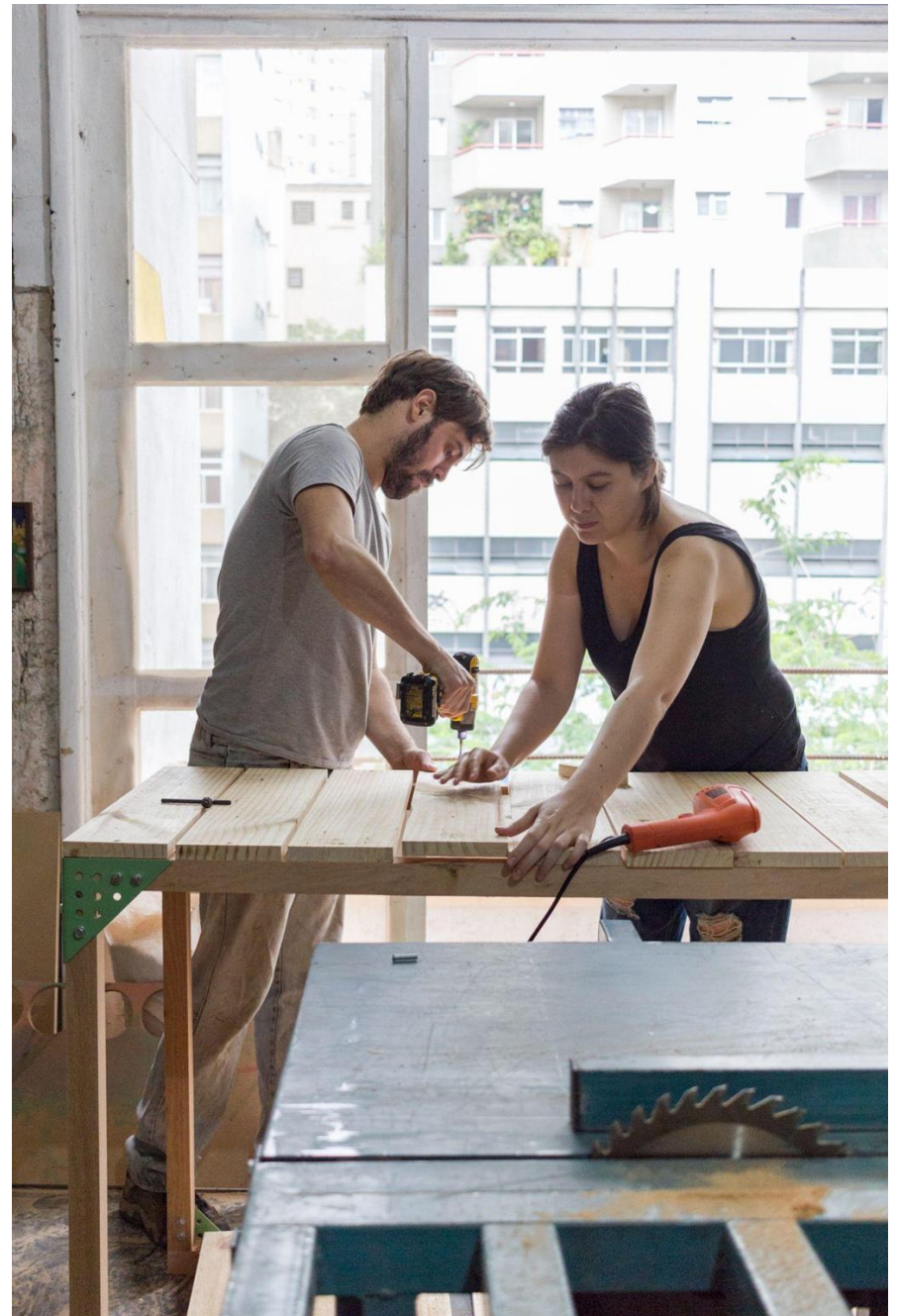




Game as Conversation

A tool for systematization





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After the Workshop

Some evolutions of the space

Source: brasil.elpais.com



Source: Coletivo Pipa Instagram

Some Considerations





Thank You!

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More information:

www.nimbu.com.br