Rio de Janeiro

Urban Plan overview

Gabriel Denadai | Thaís Biagini
Agenda

1. Knowing City of Rio de Janeiro

2. Guaratiba Region overview

3. Guaratiba Sustainable District Masterplan

   Cabuçu-Piraquê River Park

4. Conclusions
Knowing Rio de Janeiro
Knowing Rio de Janeiro
Rio de Janeiro City Hall

Institutional organization

**City Hall Structure**
- Secretaries
- Public companies
- Foundations

**Secretary of Urbanism, Infrastructure and Housing**

Urban planning

- City Master Plan (land use control)
- Urban projects (new streets, new parcel areas, sidewalk, public spaces)
- Local action plans
- Building permit

**Competences (Constitution)**

- Planning and land use control

**Partnership with the Departments of Transport, Heritage, Environment, and others.**
Knowing City of Rio

Pop: 6.5 mi people | Density: 5265 hab/km²

West Zone

North Zone

Center

Sugar Loaf

Maracanã Stadium

Copacabana beach

Airports

Christ the redeemer
Knowing City of Rio

World Heritage Site by UNESCO - Urban landscape
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Guaratiba
Guaratiba region in Rio de Janeiro

- Green Coast
- Road connections
- Train connections

Guaratiba sustainable district

- Population: 2.9%
- Area: 13.5%
Environmental Protection
Environmental Protection

47%  Protected lands
31%  Low density occupation
22%  Urban areas
Envioromental Protection

Cabuçu-Piraquê River Park

Water Resources (Recovery and Protection)

Sambaqui (Archaeological Heritage)

Green Connection Corridor

Hillside Park (Transition Zone)

Sítio Roberto Burle Marx (Landscape Heritage)
Local Economy

- Agriculture and Market
- EcoTourism
- Gastronomy
- Fishery
Local Economy

Gastronomy

Fishery

Agriculture

EcoTurism
Environment and Culture

Roberto Burle Marx Place
(World Heritage Candidate)
Challenges

Environmental fragility
- areas subject to flooding
- need for preservation of the aquifer and vegetation

Pressure of the urban occupation
- new tunnel and BRT system
- irregular occupation around environmental protection areas
Opportunities

- **Urban voids**: areas for the river park and to build sustainable settlements.
- **Agriculture**: maintenance of the activity to contain the urban expansion and to supply.
- **Ecotourism**: expansion potential, boost in the local economy and environmental education.
- **Cycle modal**: integration of the cycleway system for daily commuting, leisure and tourism.
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River Park: some references

Brooklands (Milton Keynes – Reino Unido), Pacific Commons (Califórnia - EUA) e Fairway Chase (Queensland - Austrália)
Housing and Infrastructure: some references

EcoDistricts | EcoNeighbourhoods

Ref: Pedra Branca, Brasil.
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Conclusions

It is important not to lose sight of the diversity of regions that constitute a city, natural, urban voids and rural areas are a reality in Rio de Janeiro.

This work was an important achievement in the sense of integration between disciplines and secretariats.

The success of the implementation of the Masterplan and Park will be related to the support of the population and the rulers.
Sustainable cities,
Healthy environment.
Thank you

Rio de Janeiro | Brazil

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