



IAIA 21

VIRTUAL EVENT

#iaia21

From regional planning to local projects: designing green infrastructures

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introduction

Brazilian urban areas present basic problems related to:

- Sanitation
- Heat islands
- Floods
- Lack of green areas
- Mental health
- Land use and land cover changes

resilience improvement is needed

background

- central idea:

green infrastructure (GI) as a promoter of urban resilience and quality of life

- second most relevant idea:

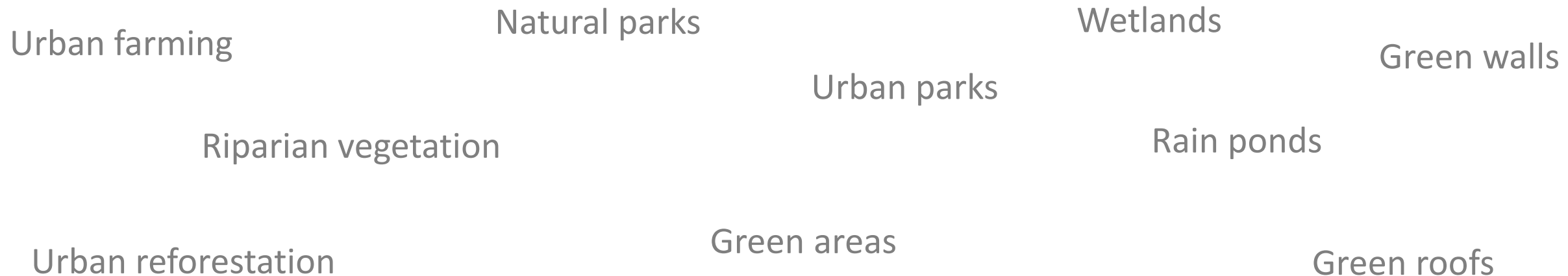
start from a broader view until we look into the small pieces
(from regional plans >> to municipal plans >> to projects)

GI complementary to grey infrastructure

- one of the main characteristics: **connectivity**
- capable of fulfilling environmental, social and economic functions
- able to provide ecosystem services:
 - Protect against flooding
 - Provide food
 - Improve air quality
 - Regulate climate
 - Provide spaces for cultural, religious and recreational activities
 - Improve landscape

GI characteristics and benefits

- multi-scale and multi-functional interconnected network
 - urban and rural areas
 - public and private lands
- natural and built structures



GI in Brazil

- Isolated projects from private investors
- Lack of connectivity
- Weak relation to public policies

regional planning

Ecologic-economic zoning:

- A regional planning tool (state or group of municipalities)
- Based on vulnerabilities and potencialities of the physical environment
- Identifies areas to be protected or recovered
- Puts different protection rules into one plan
- Designs ecological corridors
- Considers water bodies and riparian vegetation
- Able to look to municipal areas in na integrated way

municipal planning

Master plan:

- Basic Urban Policy tool
- Sets land use guidelines
- Links urban and rural areas (able to promote connectivity)
- Works together with other tools (to put things in practice)
- COULD BE more directly linked to Project Design and Implementation, i.e., GI projects

the proposal

EEZ with the regional and environmental perspective

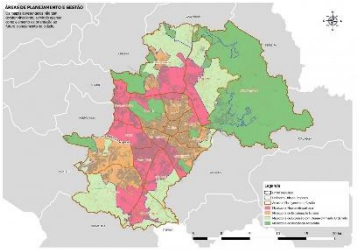


Master plan with the municipal and land use perspective



GI project

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challenges

- no SEA in formal practice
- difficulties in overlapping plans
- public and government recognition of the importance of GI

Let's continue the conversation!

Post questions and comments via chat in the IAIA21 platform.



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