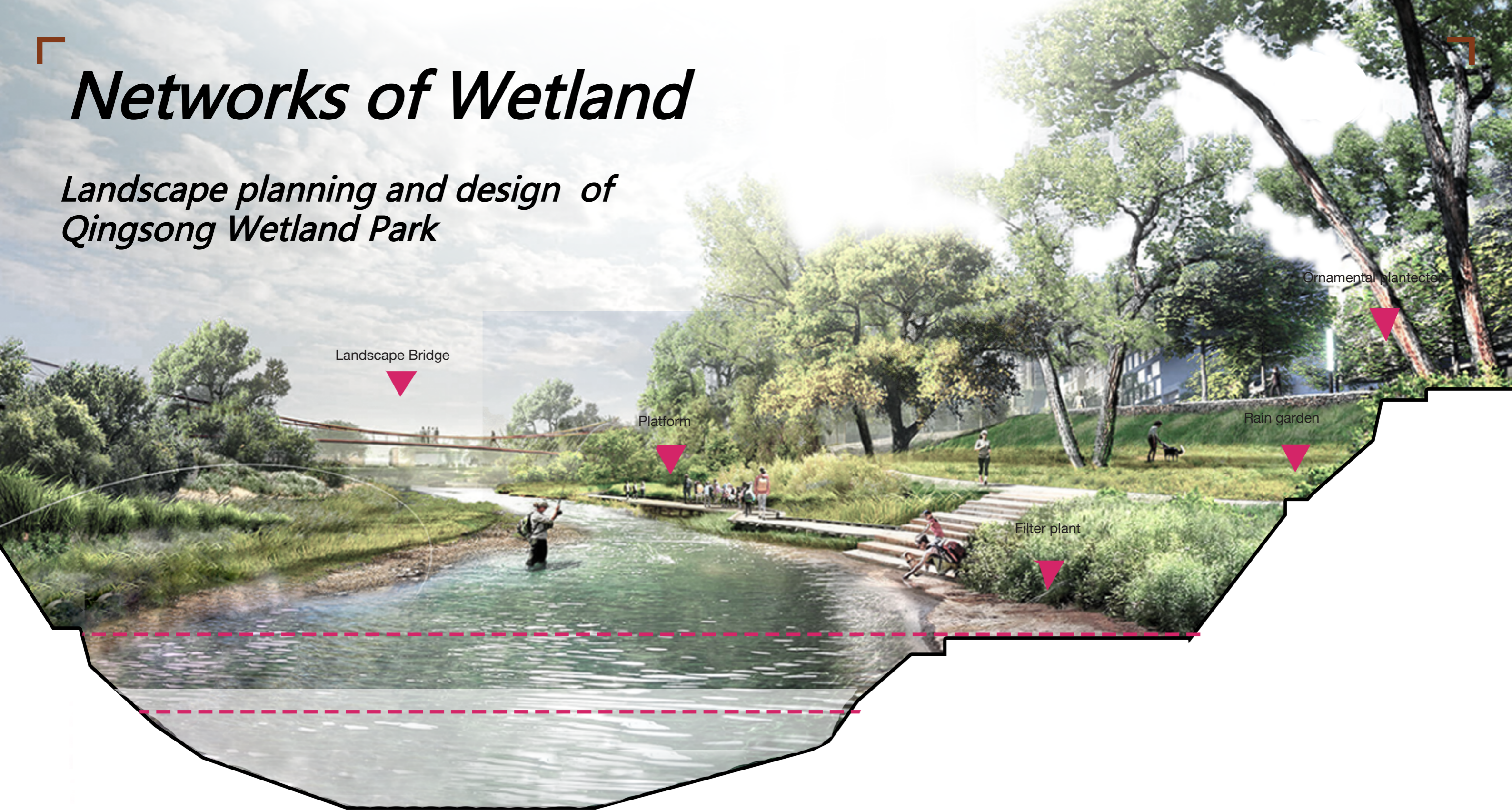


# Networks of Wetland

## Landscape planning and design of Qingsong Wetland Park



Landscape Bridge

Platform

Filter plant

Rain garden

Ornamental plant

Country /City ..... Chengdu,China  
University / School ..... Southwest Jiaotong University  
Academic year ..... 2022  
Title of the project ..... Landscape planning and design of Qingsong Wetland Park  
Authors ..... Yan Huo,Ziyan Huang, Wen Xiao



## TECHNICAL DOSSIER

**Title of the project** Landscape planning and design of Qingsong Wetland Park  
**Authors** Yan Huo,Ziyan Huang, Wen Xiao  
**Title of the course** Graduation project  
**Academic year** 2022  
**Teaching Staff** Yang Jiao  
**Department / Section / Program of belonging** Department of Landscape Architecture, Faculty of Architecture  
**University / School** Southwest Jiaotong University



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

The design object of this project is Qingsong wetland, and the planning intention of the area, "wind and water filtration, shallow hill forest", provides important guidance for the design.

Our design goal is to create a wetland park that connects the community, reshapes nature, and integrates Tianfu culture.

The three major strategies are: in terms of landscape form, create a slightly undulating and new natural park, in the natural ecology, create an ancient river channel and a new oasis, and in terms of living conditions, create a park with small life and a new model.

Natural ecology is a major focus for us, according to the previous ecological corridor analysis and ecological sensitivity analysis, the core ecological restoration area has been identified, and the type of green space restoration has been established by zoning, attracting animals to settle down, and improving species diversity, thereby enhancing ecological stability. On the one hand, green space is used to improve the climate, and on the other hand, species-specific habitats are created to reduce the harm caused by climate change.

For further information

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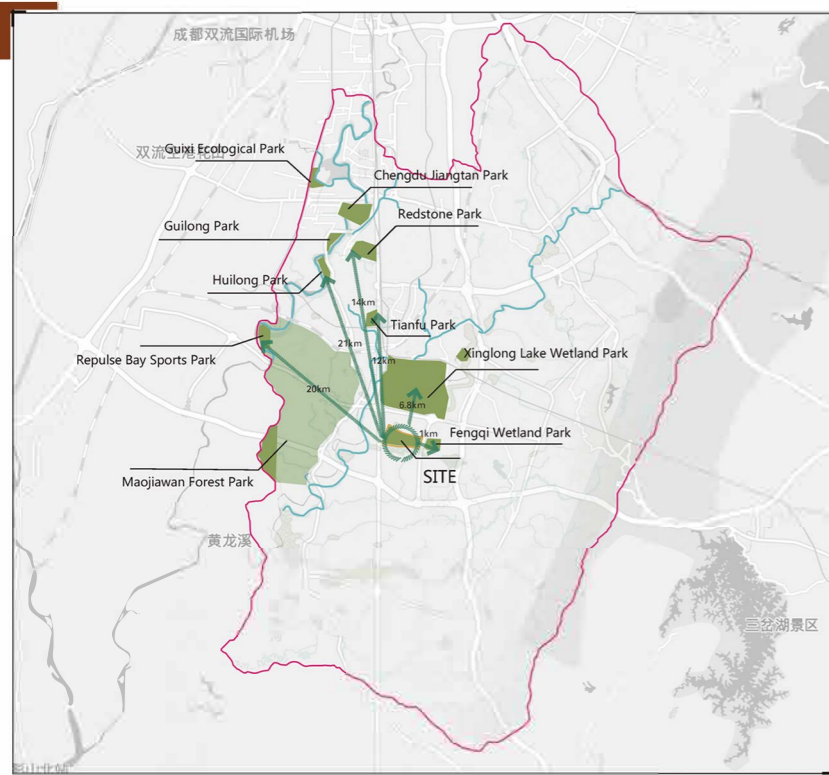
Carrer Arcs, 1-3  
08002 Barcelona - Spain

12th International Biennial Landscape Barcelona

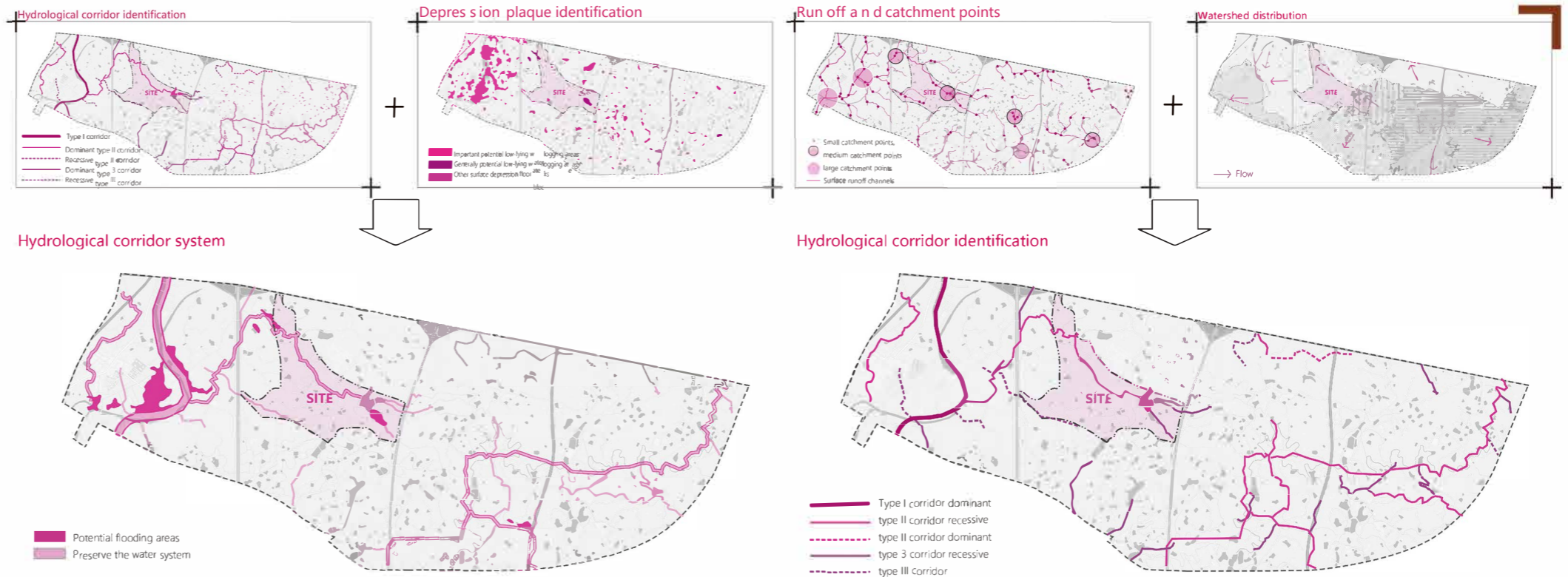
Barcelona November 2023

**SCHOOL PRIZE**





-Analysis of surrounding wetlands-



-Hydrological corridor analysis-

Magpie habitat requirements

Habitat systems	Area / Length	Depth (m)
core area	≥ 50ha	≥ 50-160
patches	≥ 20ha	≥ 30-50
corridors	≥ 10m	

Suitability	corridor width
Most suitable	≥ 20m
more suitable	10-20m
Generally suitable	5-10m

Dove habitat requirements

Habitat systems	Area / Length	Depth (m)
core area	≥ 35ha	≥ 50-160
patches	≥ 5ha	≥ 30-50
corridors	≥ 10m	

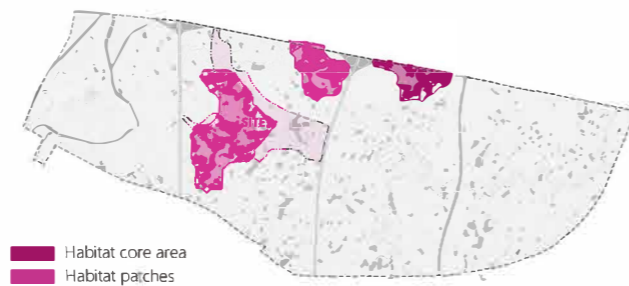
Suitability	corridor width
Most suitable	≥ 20m
more suitable	10-20m
Generally suitable	5-10m

Large civet habitat requirements

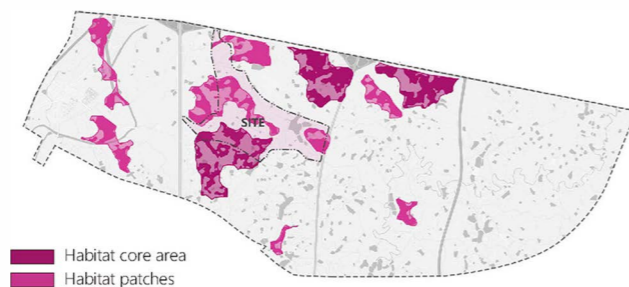
Habitat systems	Area / Length	Depth (m)
core area	≥ 50-100ha	≥ 600
patches	≥ 10ha	≥ 150-200
corridors	≥ 15m	

适宜程度	生境廊道宽度
Most suitable	≥ 25m
more suitable	15-25m
Generally suitable	10-15m

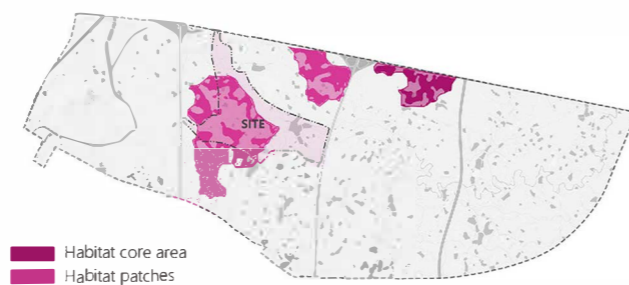
Magpie habitat origin identification



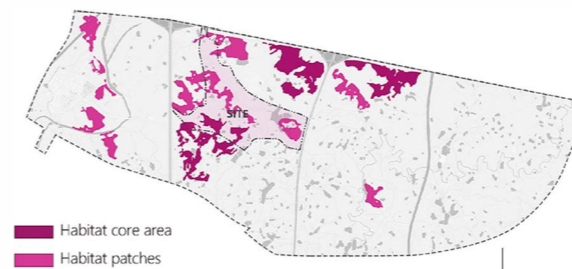
Identification of habitat origin of the turtledove



Identification of habitat origin of large civets



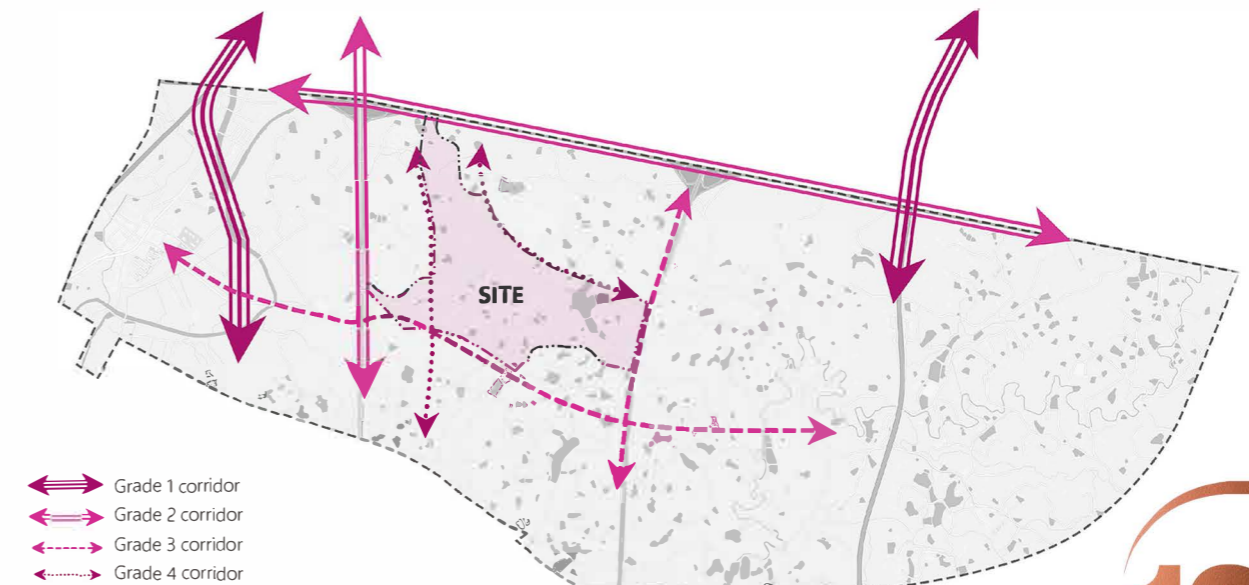
Distribution pattern of urban forest habitat sources



Resistance surface construction

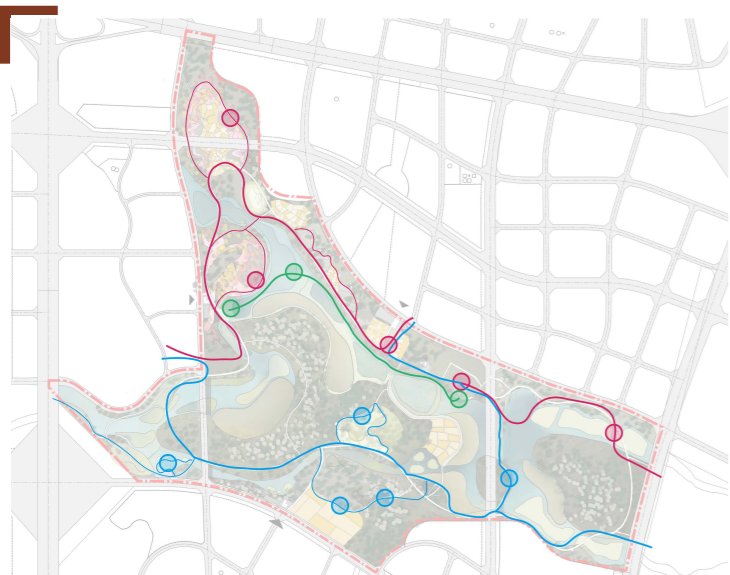


Forest system corridor identification

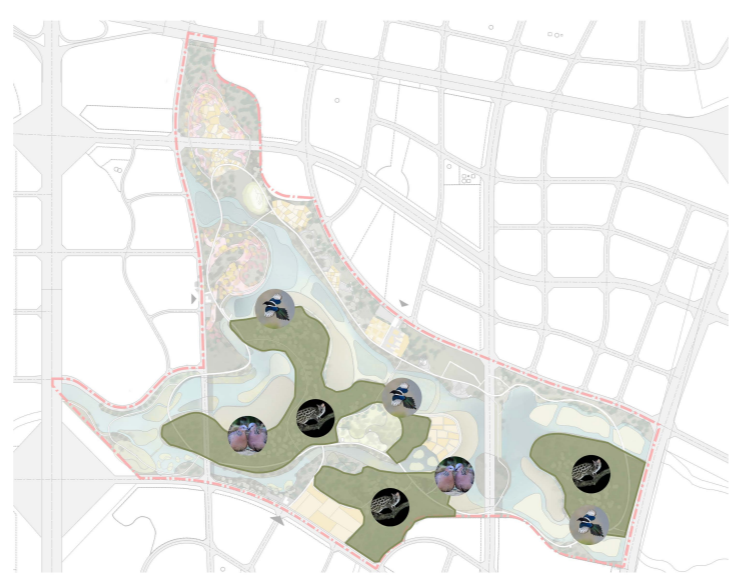


-Forest corridor analysis-

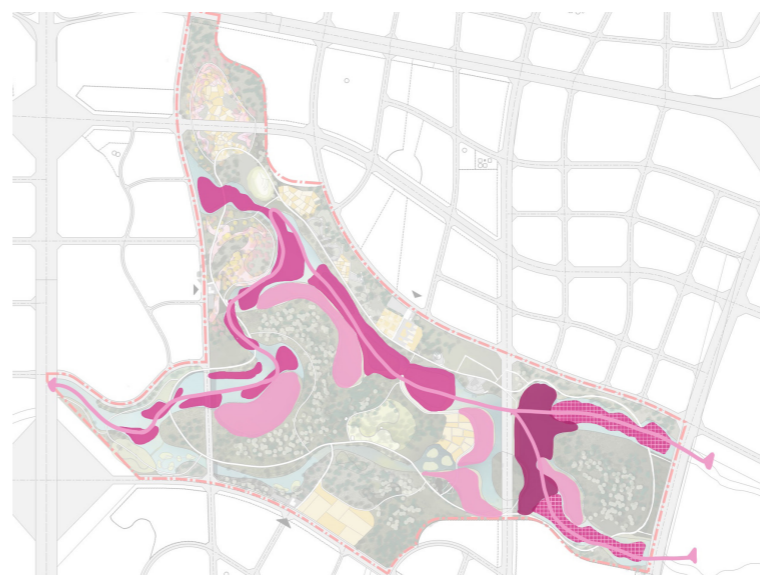




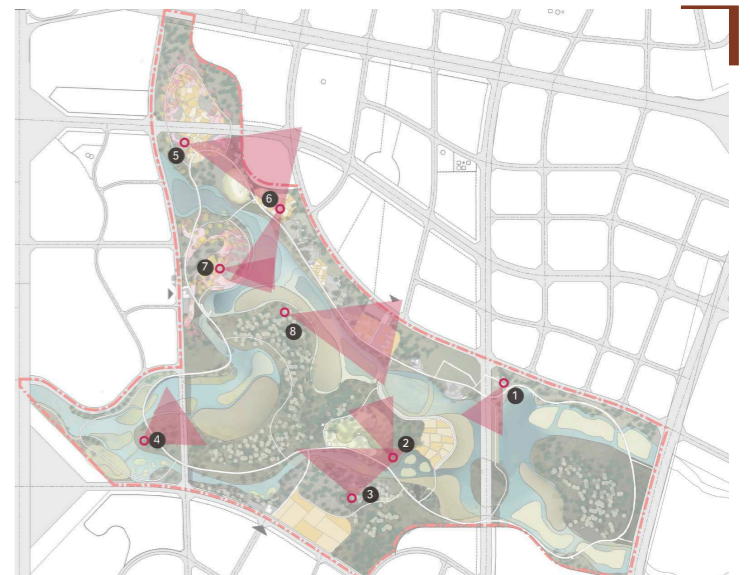
- Route planning -



- Habitat zoning -



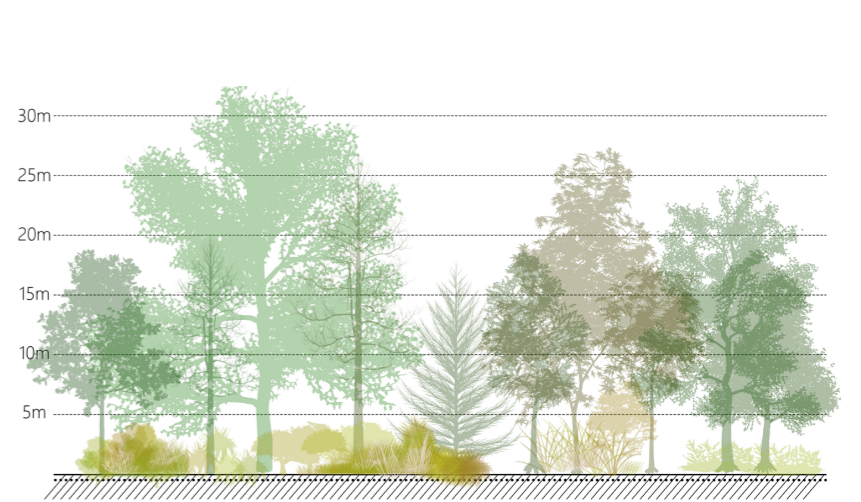
- Wetland purification zoning -



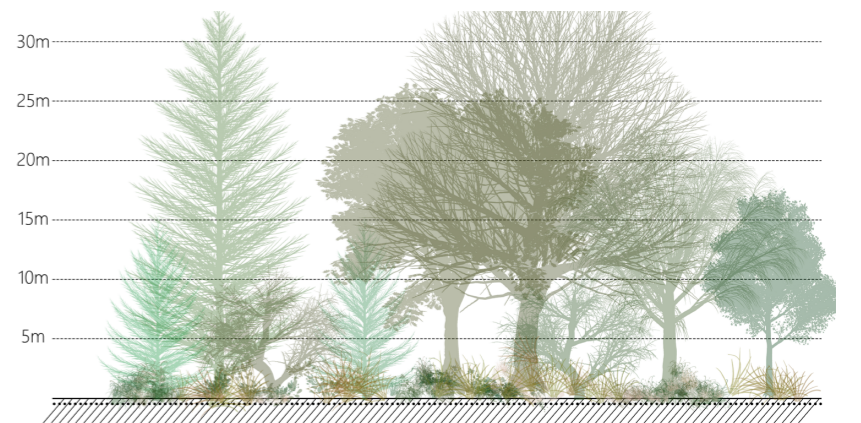
- Visual partition -



- Master Plan -

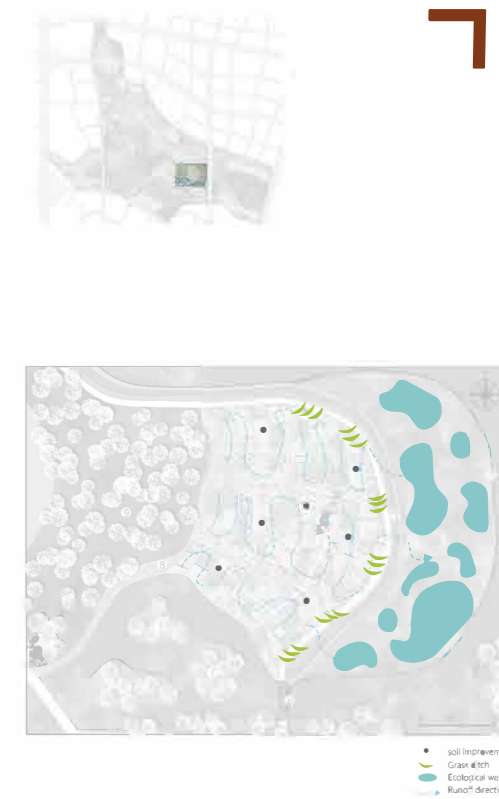
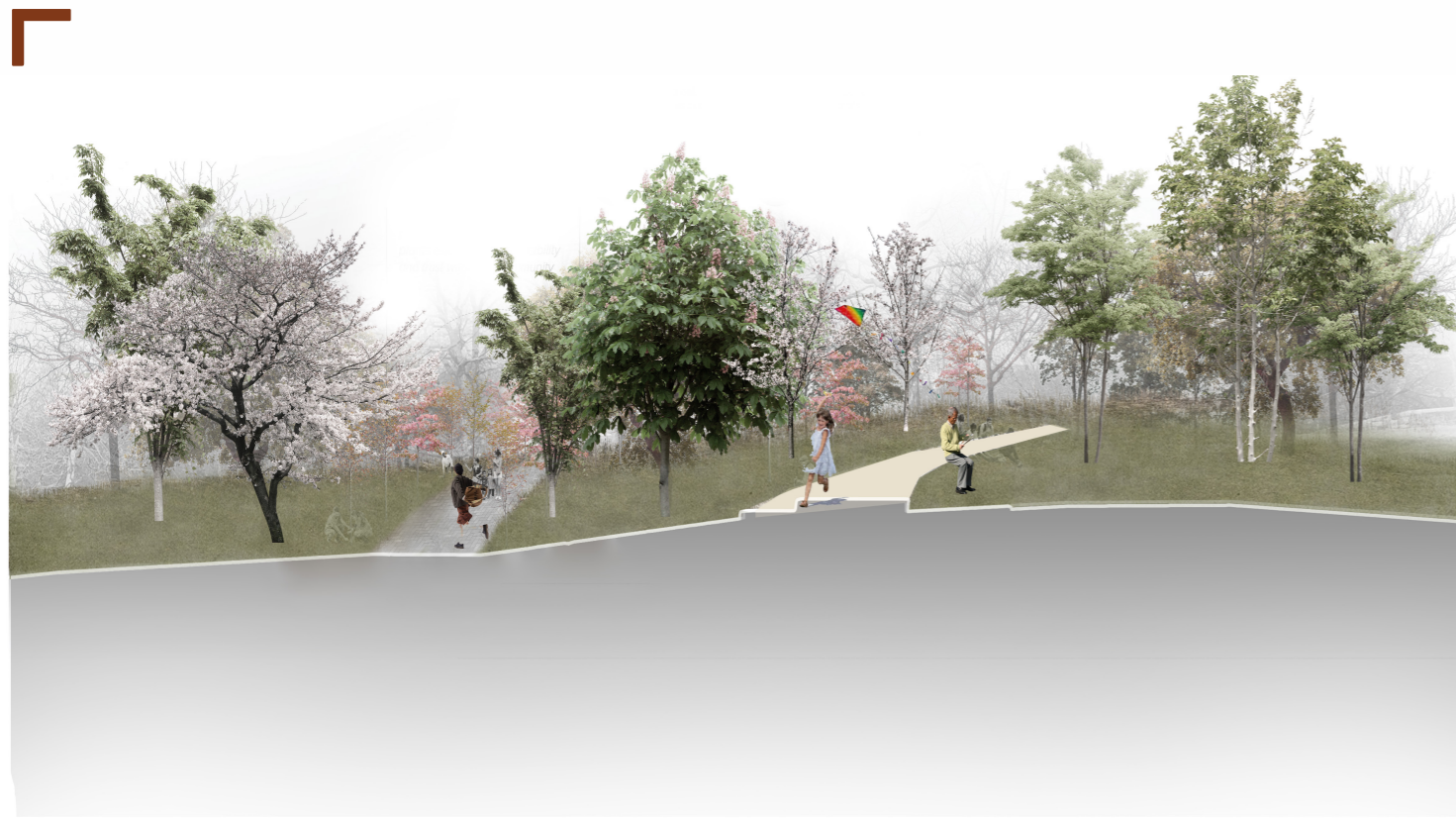


- Ecological plant community -



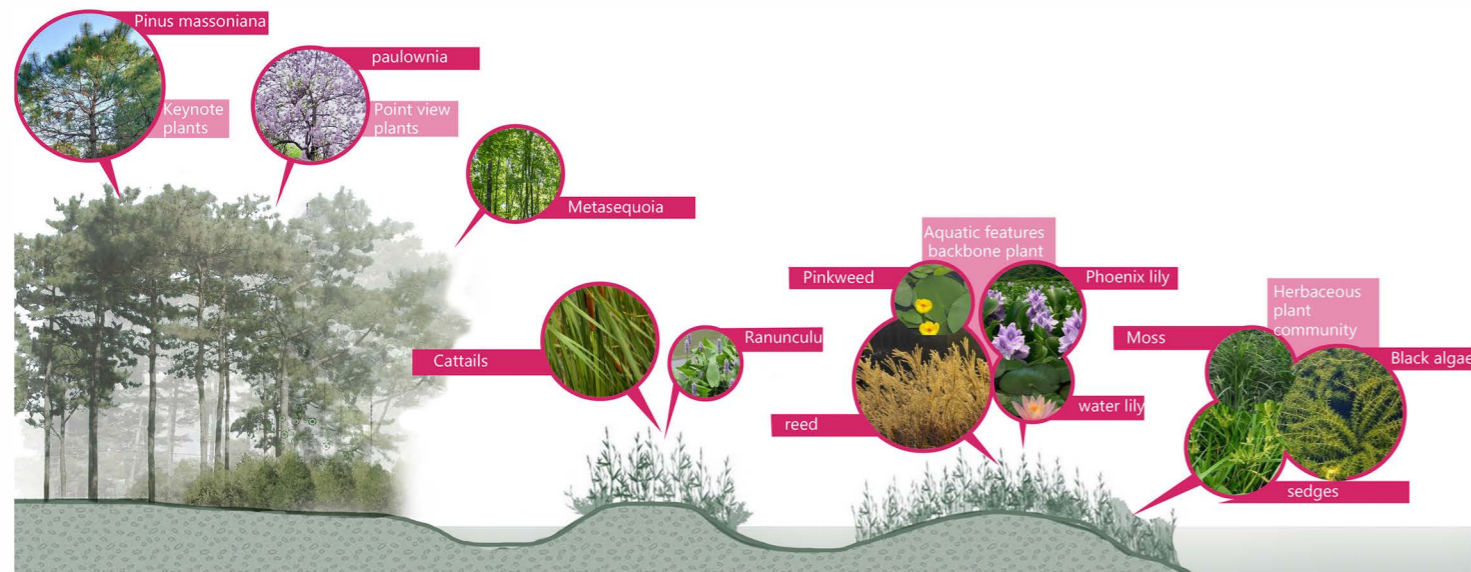
- Aquatic plant community -



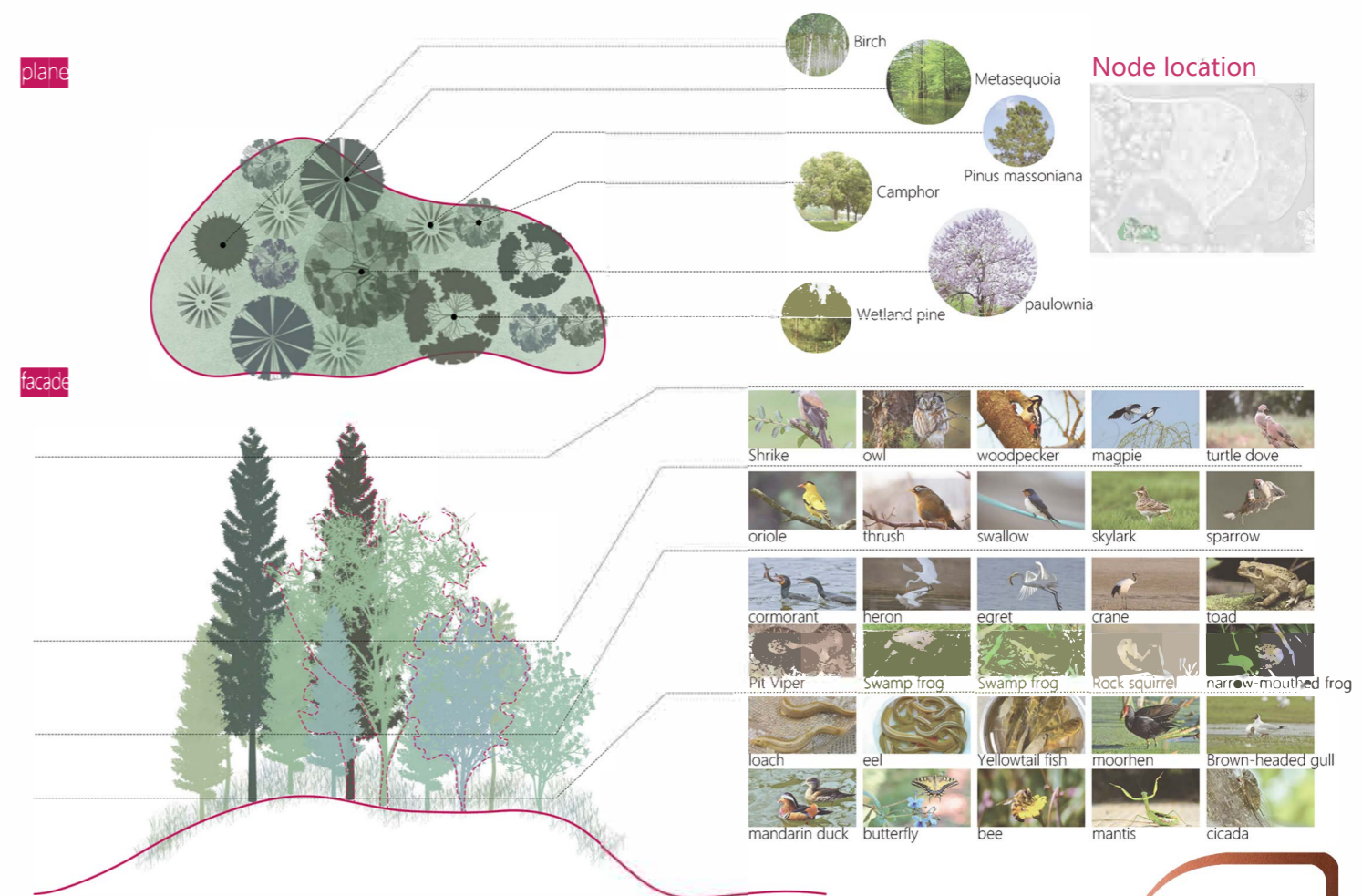


-Local detailed design plan-

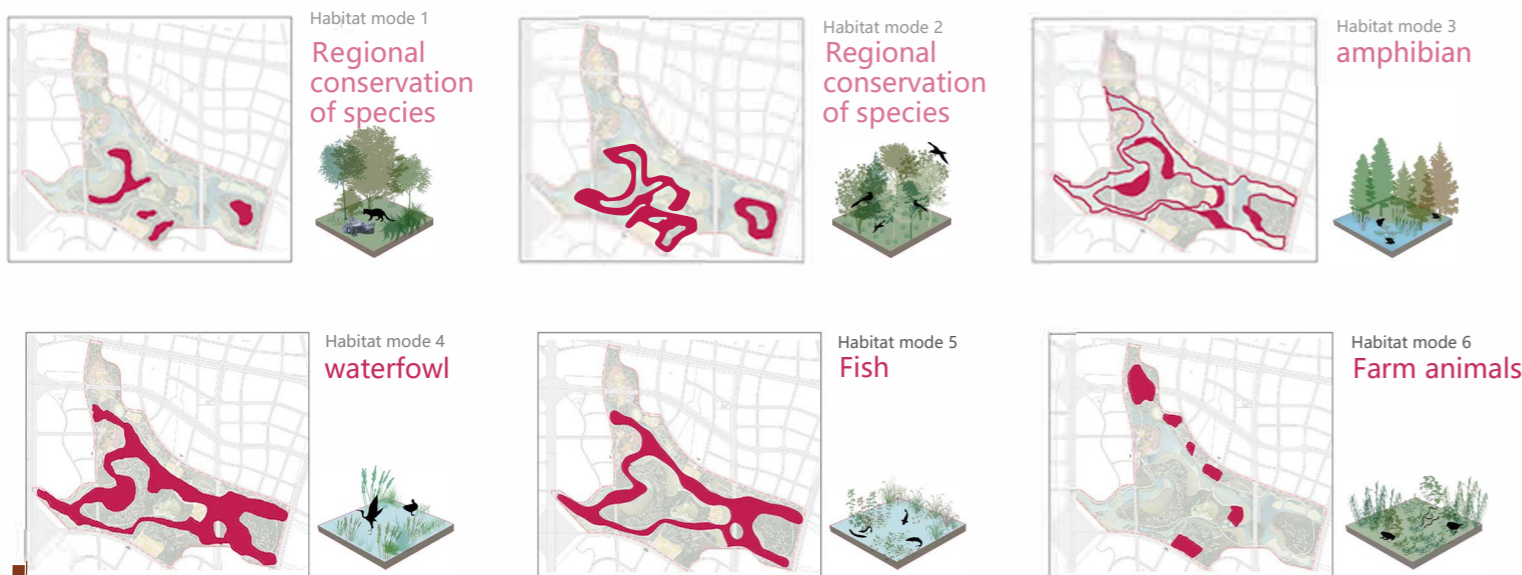
- ecological design-



- Wetland plant designsedges-



-ecological habitat island designplane-



- typical habitat model design-