

CV & PORTFOLIO

2017 UNIVERSITY OF PISA

LANDSCAPE ARCHITECTURE

KUN SANG

Contents

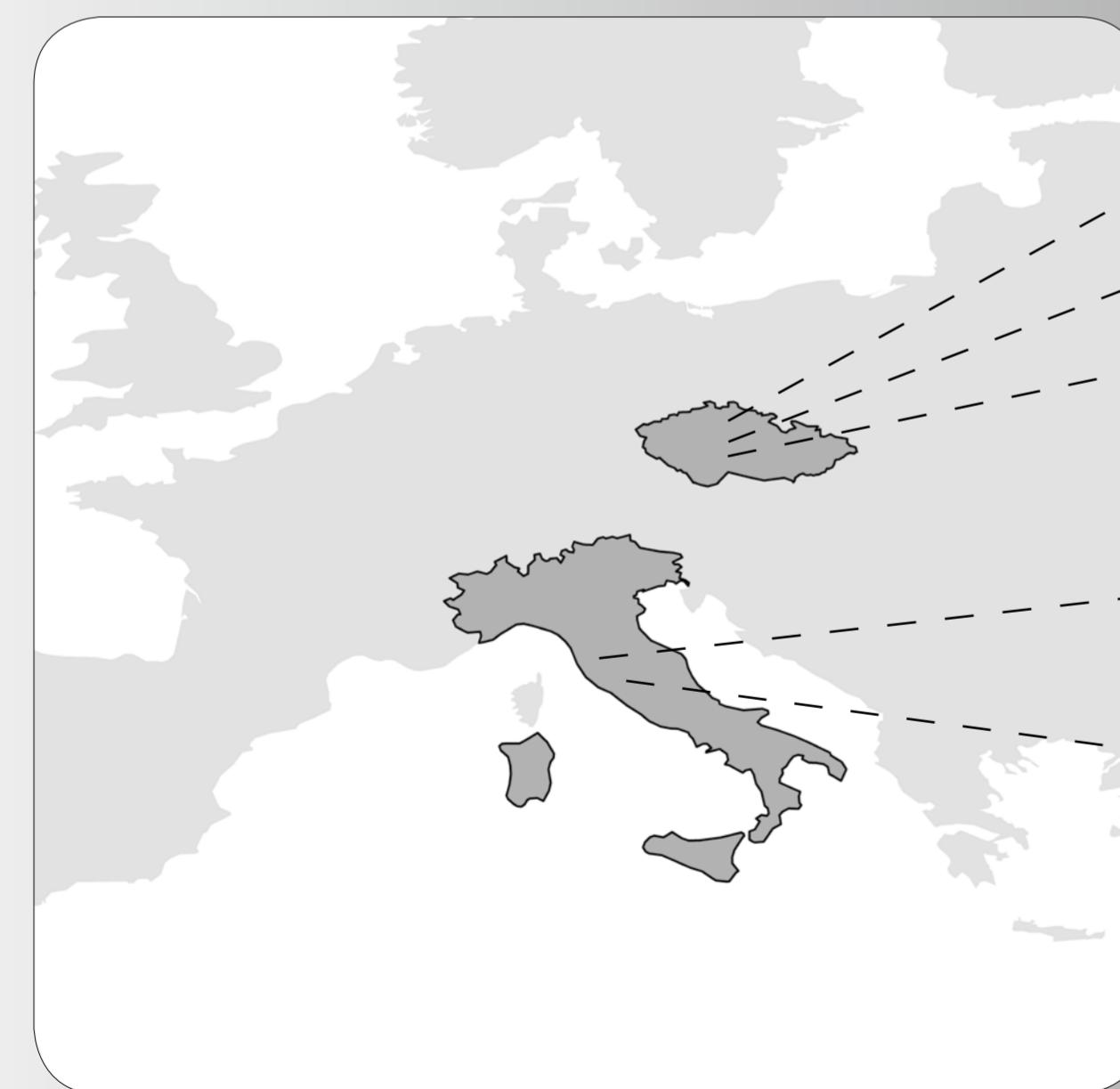


Curriculum Vitae

project 1. Regeneration of brownfield land of
ShouGang industry area

project 2. Chenzhou Qilidong cultural park
design

project 3. Proposals of mountain tourism trails



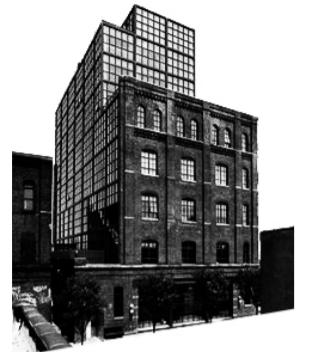
project 4. Conceptual design of Stromovac Park

project 5. Future proposal plan of Olbramovice
and Votice

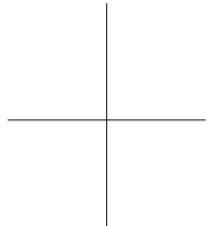
project 6. Tree species research and VTA analysis
of Giardino Scotto

project 7. Garden design based on the needs of
user

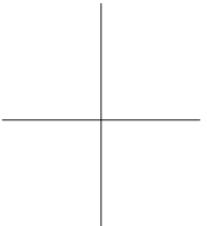
Other sketches, paintings and activities



heritage conservation

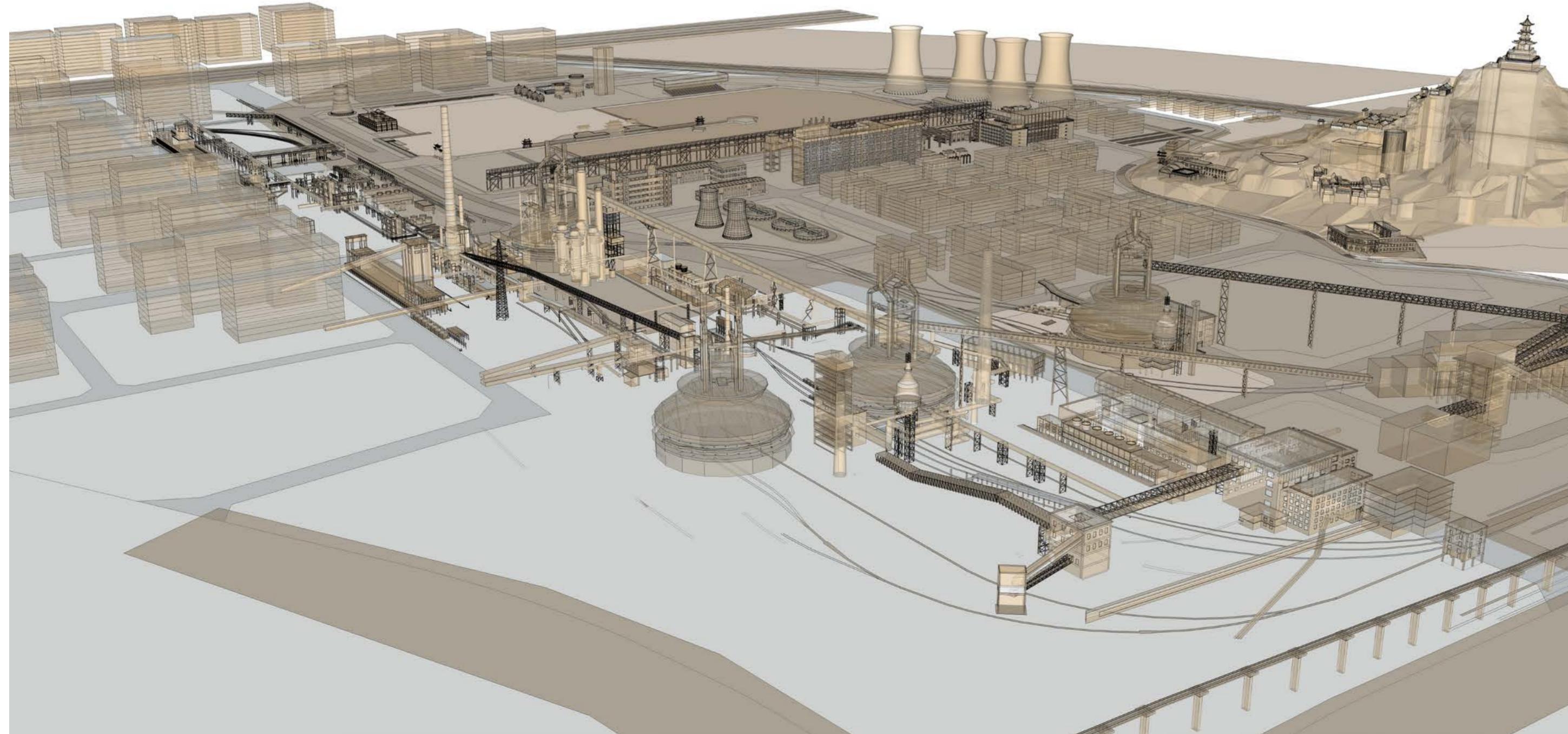


ecological restoration

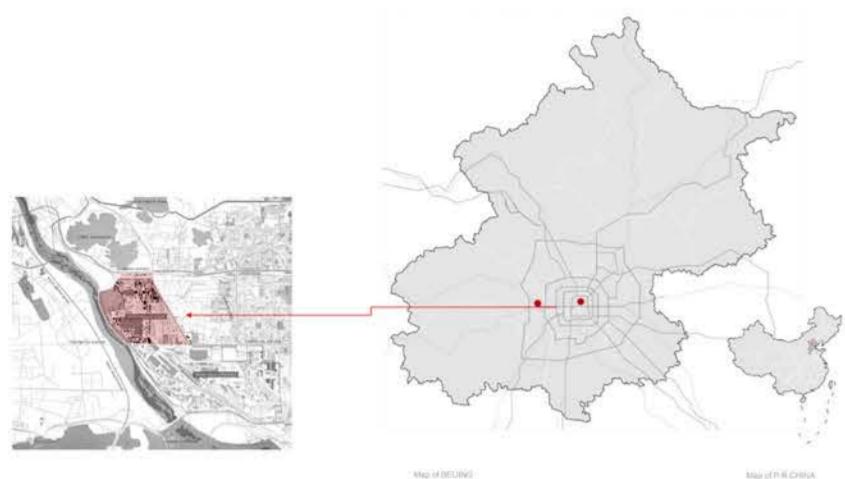


site memories

Regeneration of brownfield land of ShouGang industry area



LOCATION



CURRENT SITUATION



SITE TEXTURE



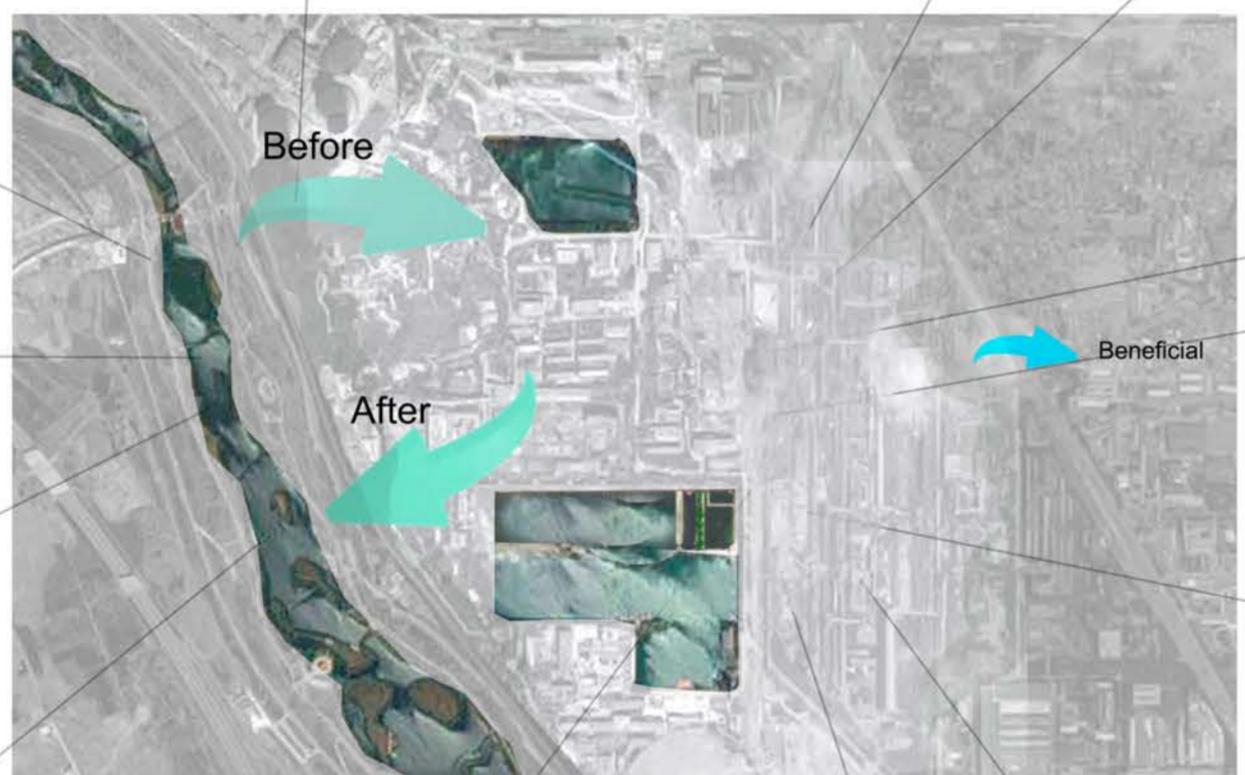
POLLUTION



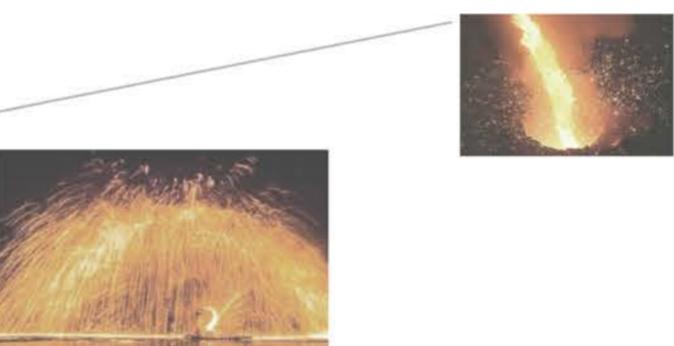
NATURAL WATER



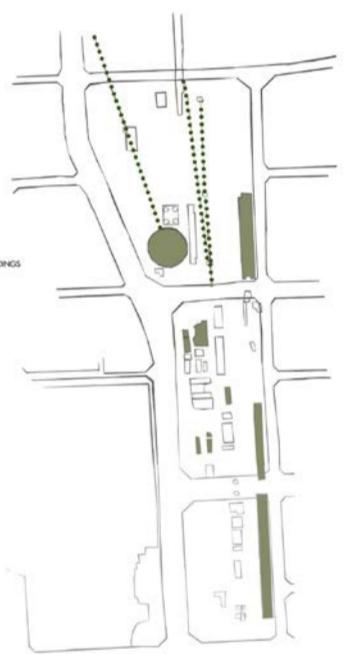
ECO WATER



IRON MEMORY WATER



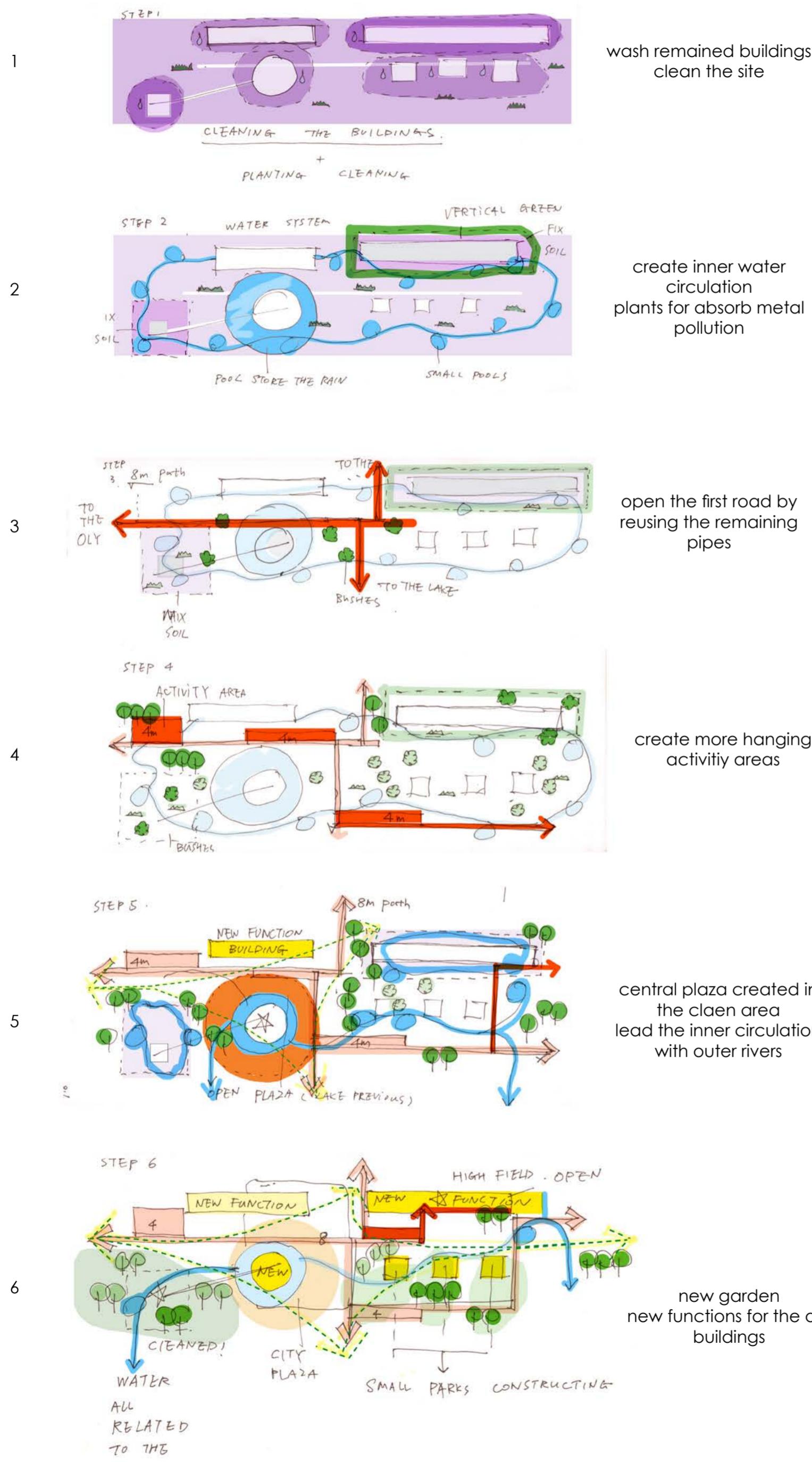
BUILDINGS



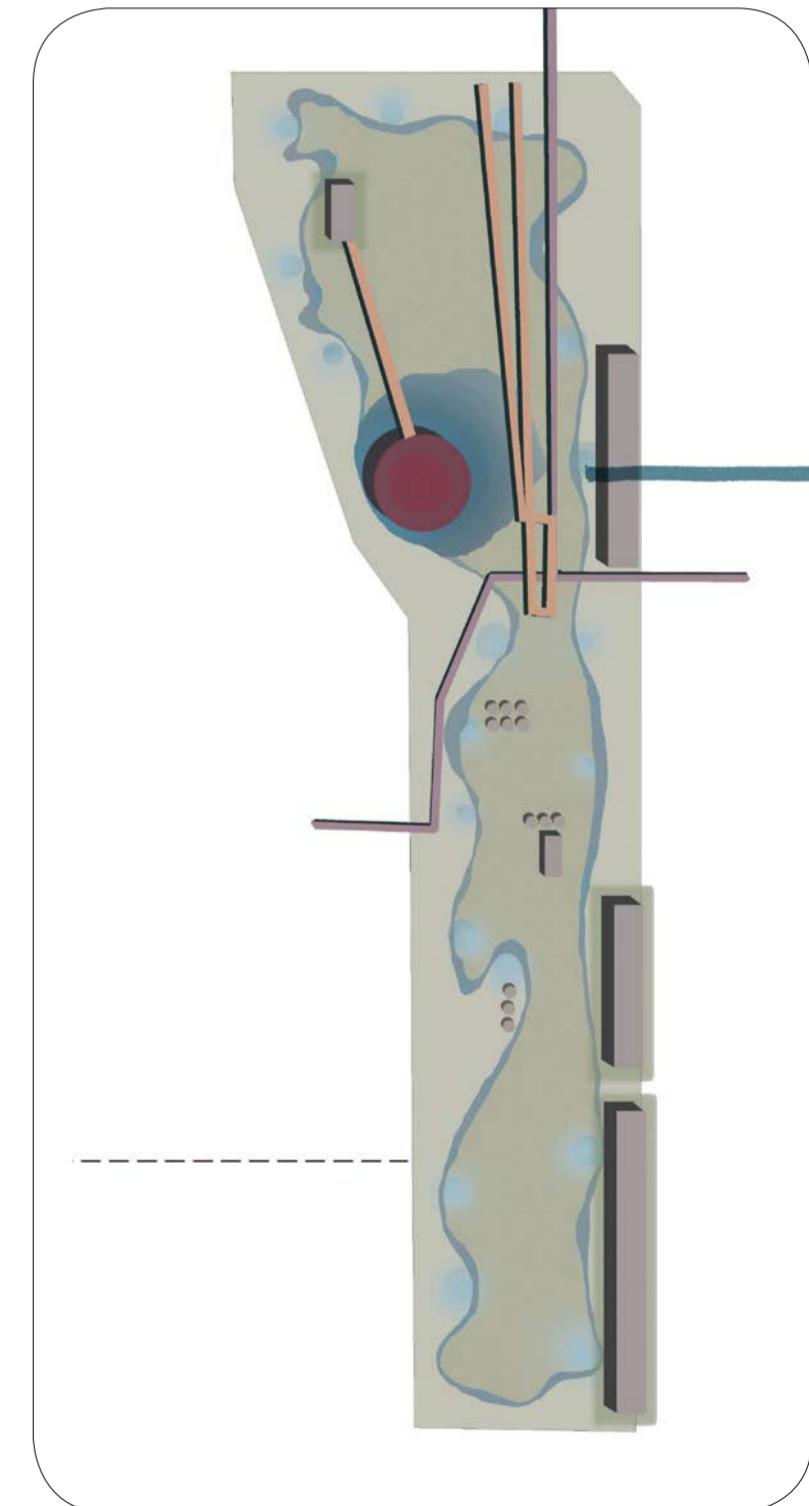
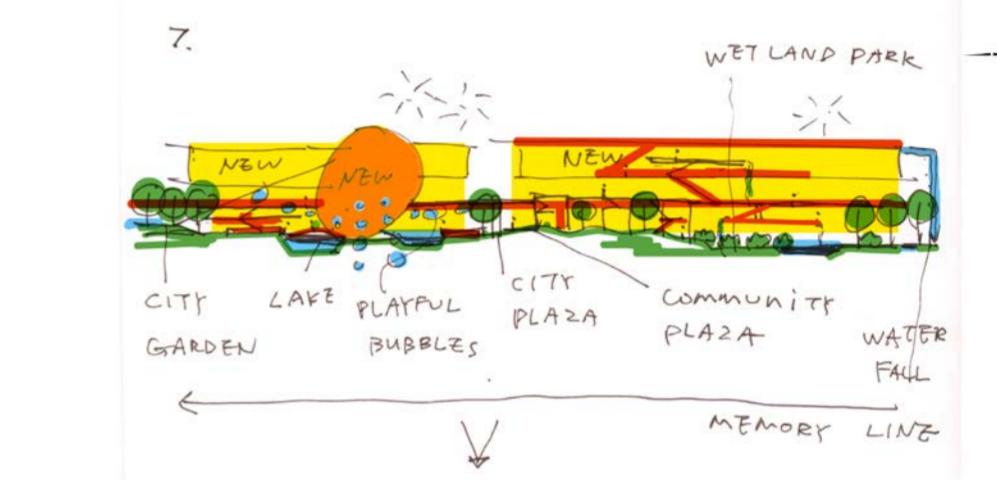
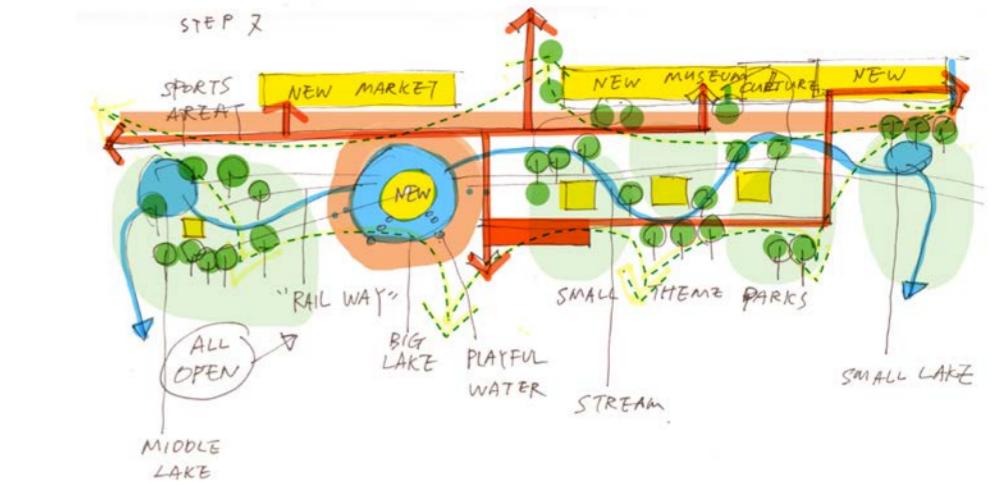
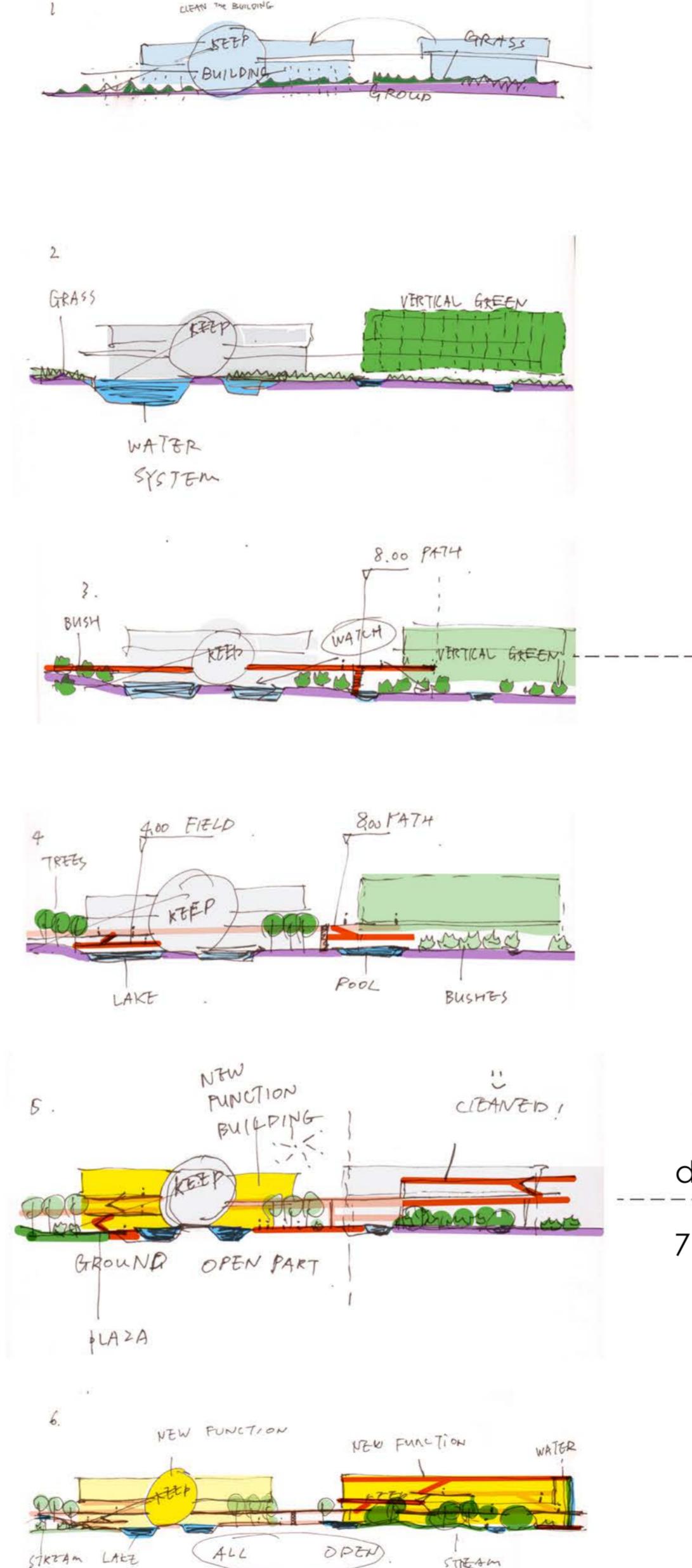
FUTURE USE



PLAN

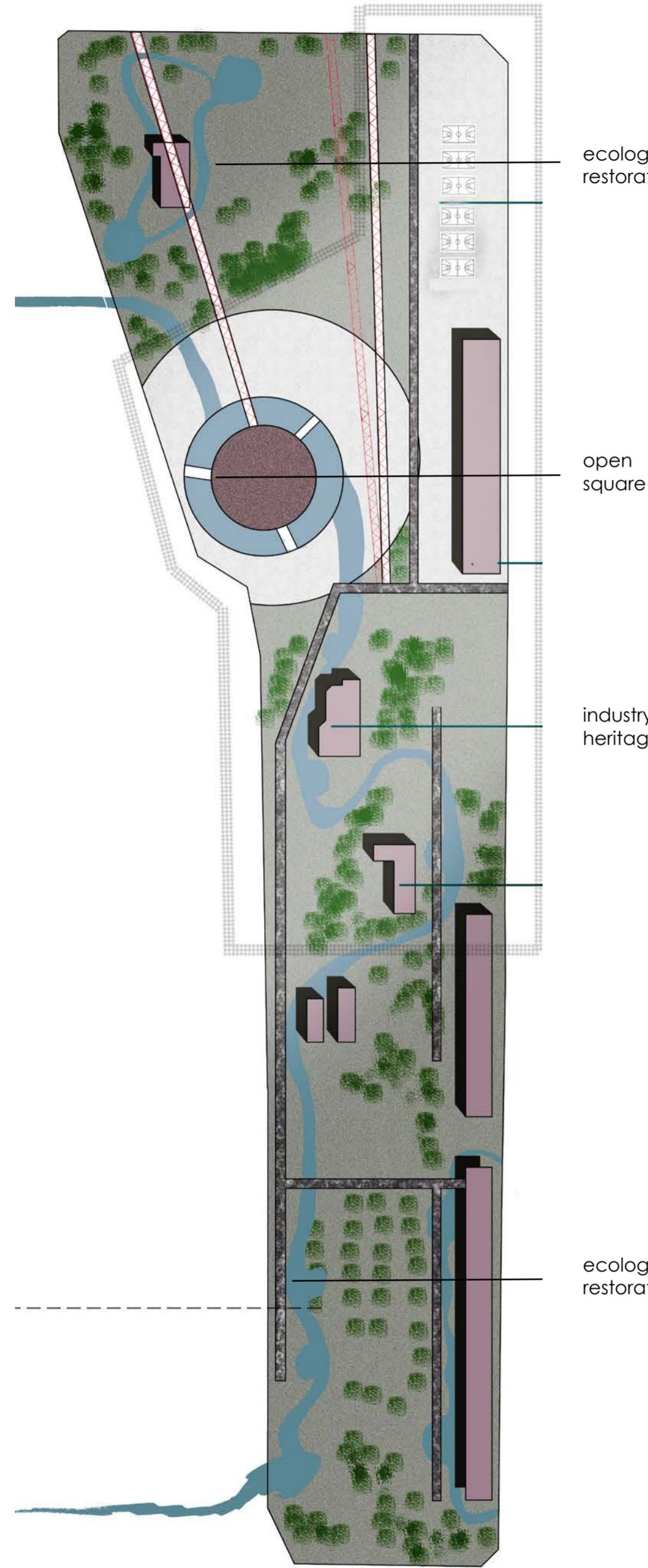


SECTION

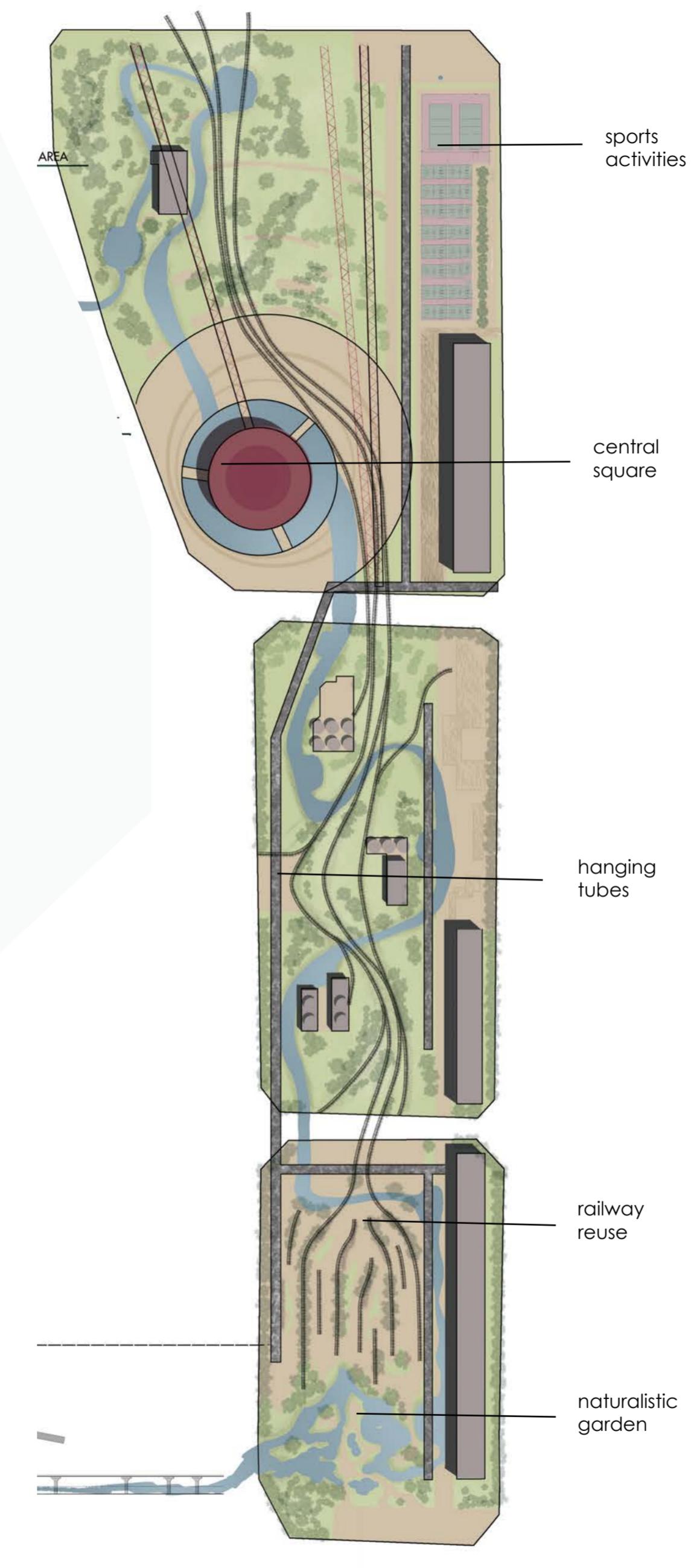


time
design
7 steps

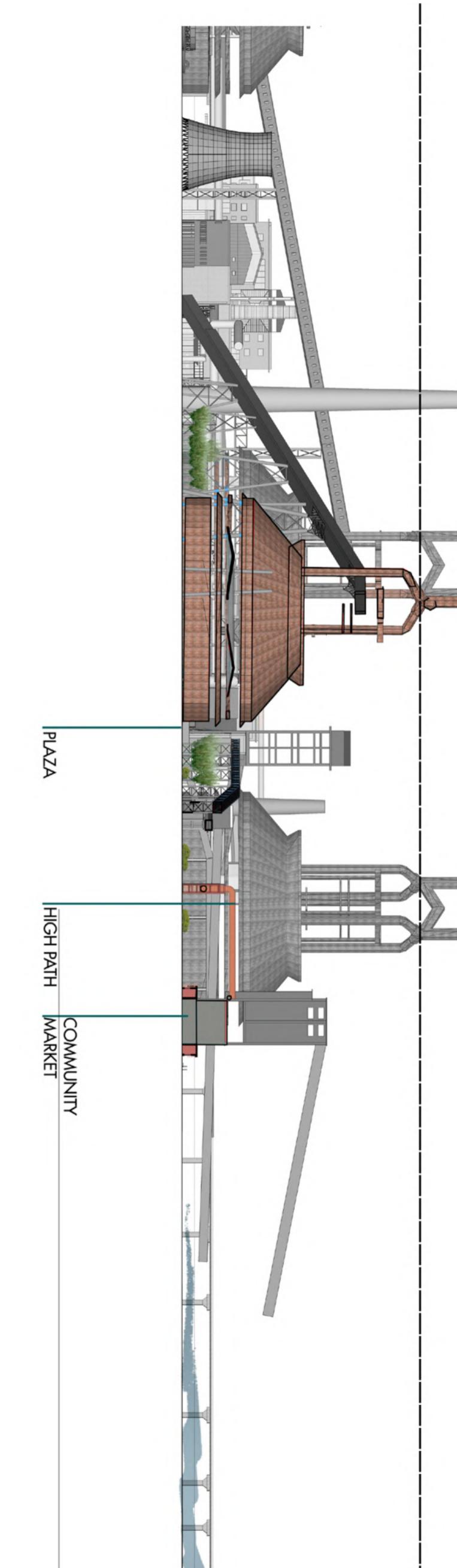
site design of 1st period
wetland world



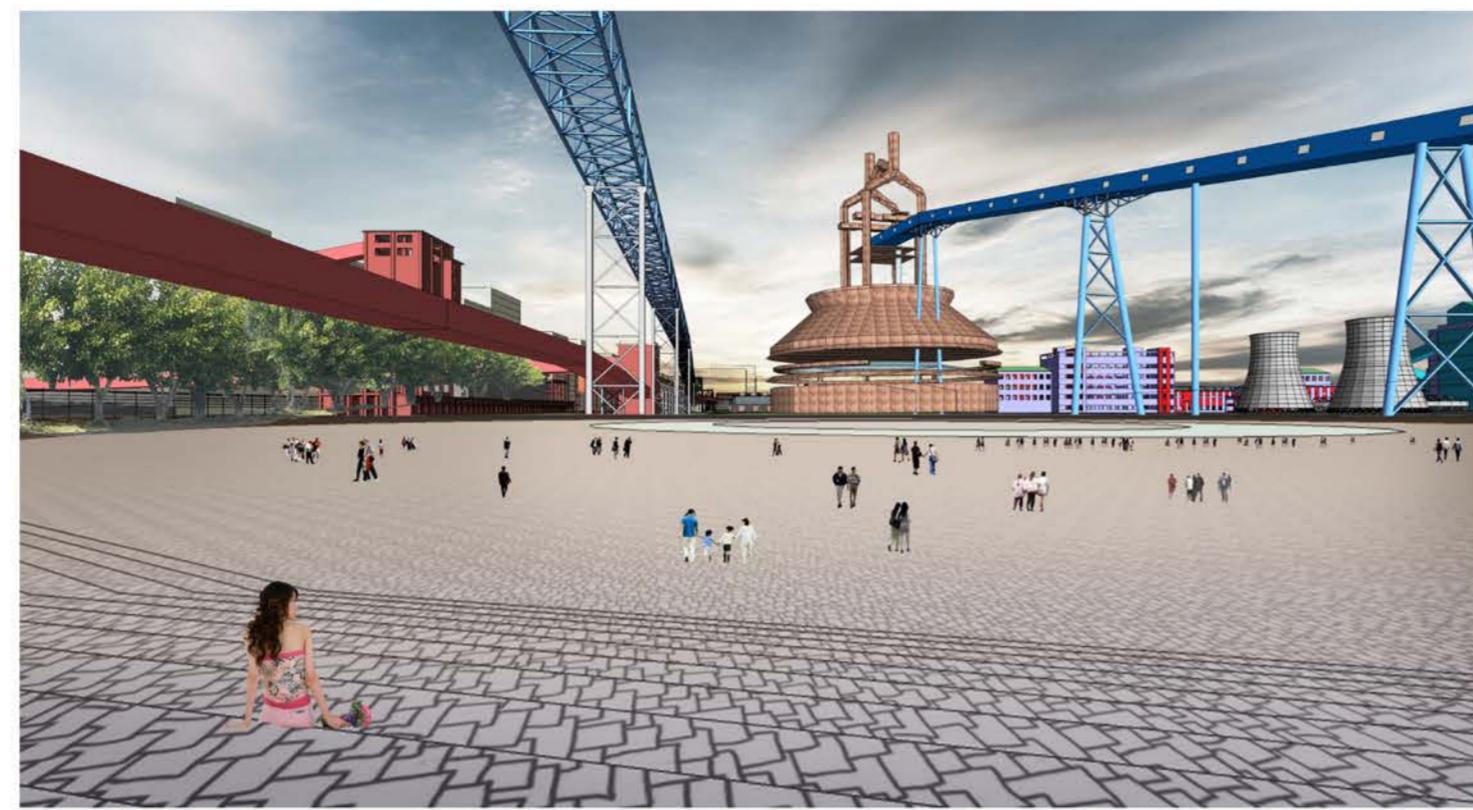
Site design of 2nd period
central area construction



Site design of 3rd period
industry heritage reuse



section of
central square



COMMUNITY LINE FOR RESIDENTS



MEMORY LINE FOR VISITORS



healthy urban trees

**Tree species research
and VTA analysis of
Giardino Scotto**



Quercus ilex



Magnolia grandiflora



Platanus acerifolia



Pinus pinea



Osmanthus fragrans



Pinus pinaster



Taxus baccata



Cupressus sempervirens



Phoenix canariensis



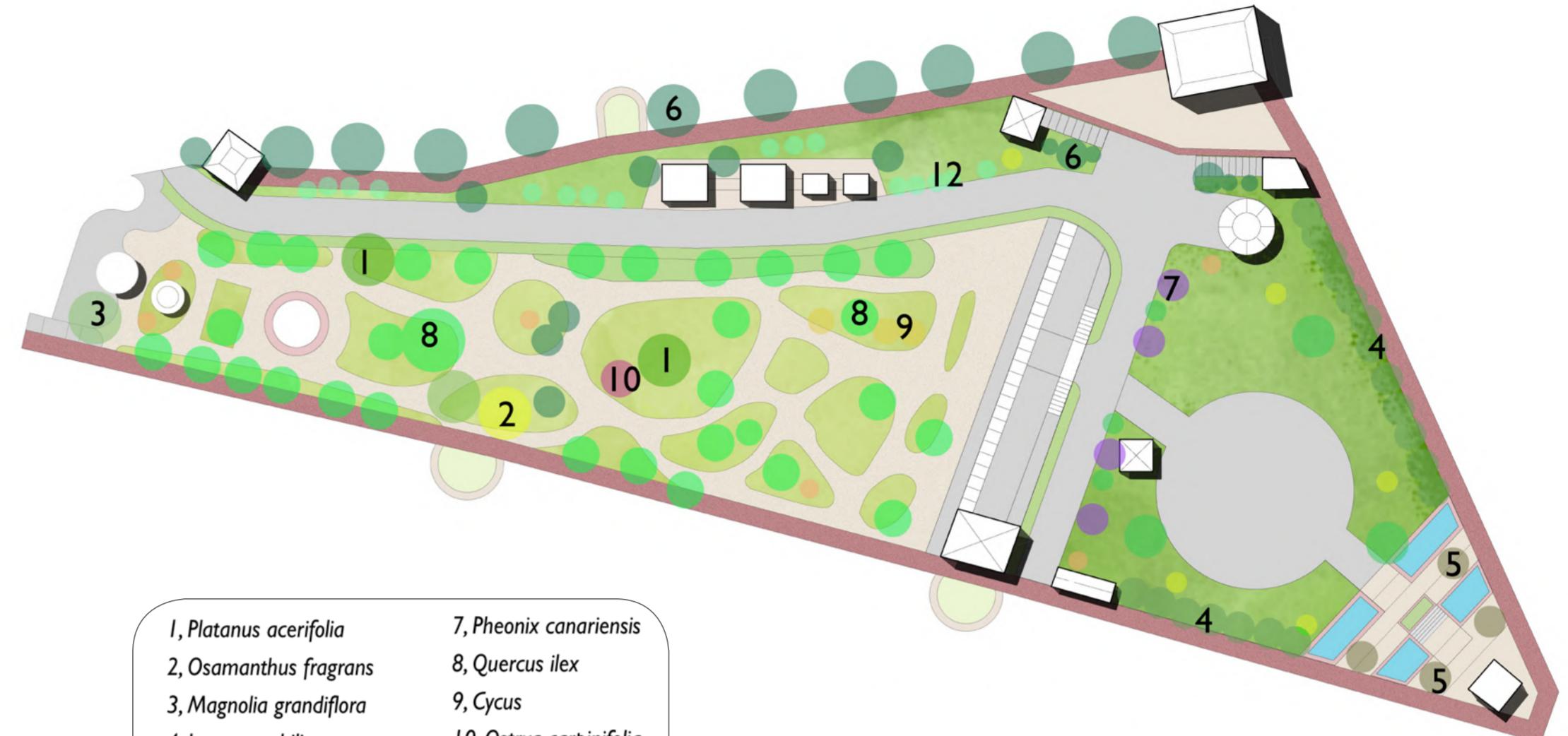
Pittosporum tobira



Laurus nobilis



Ostrya carpinifolia

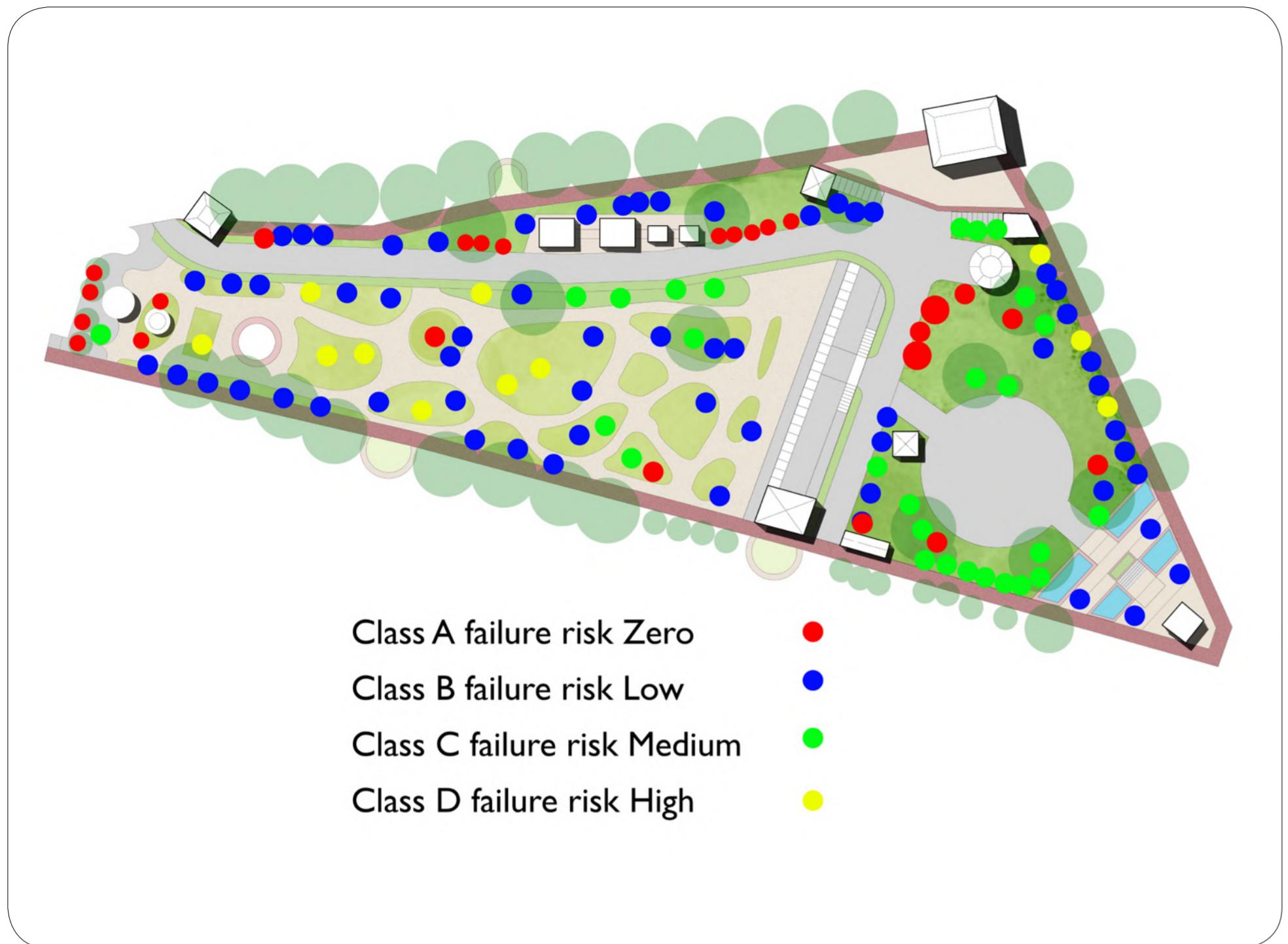


Location of tree species

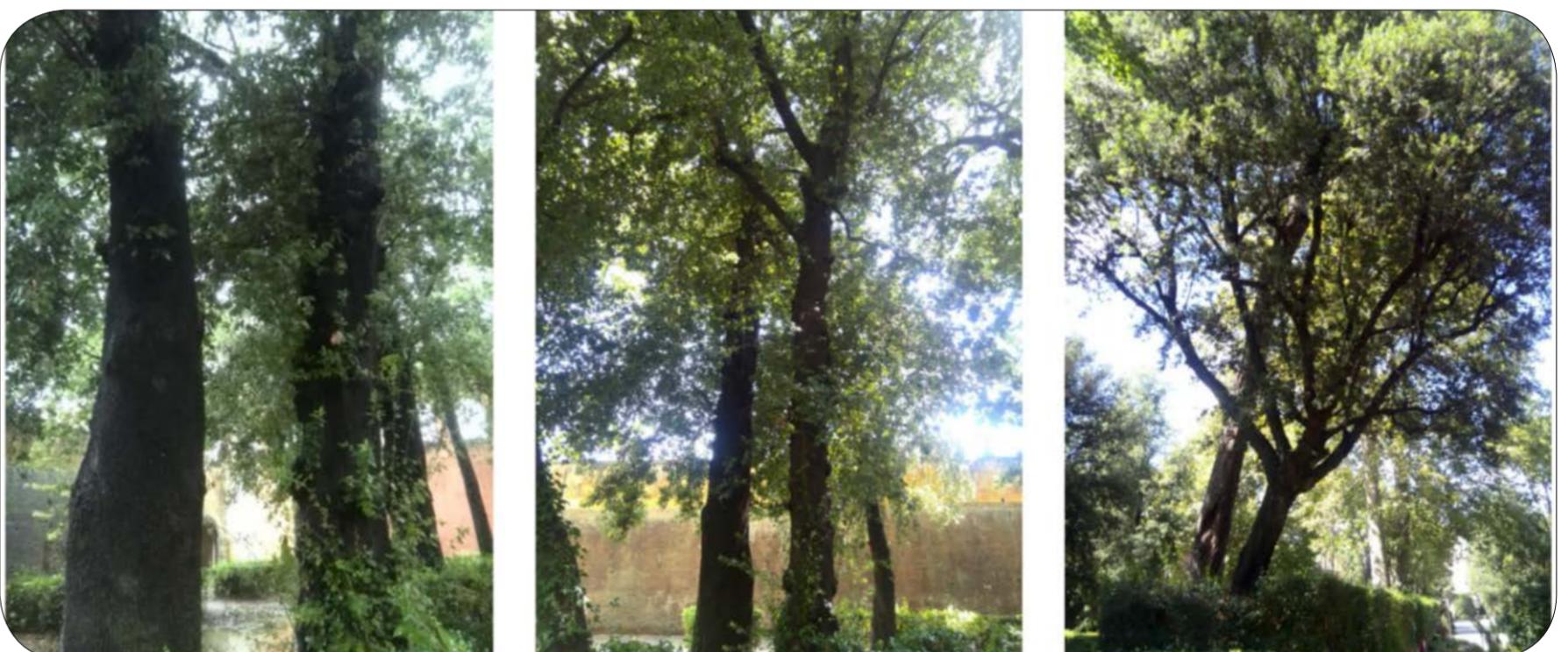
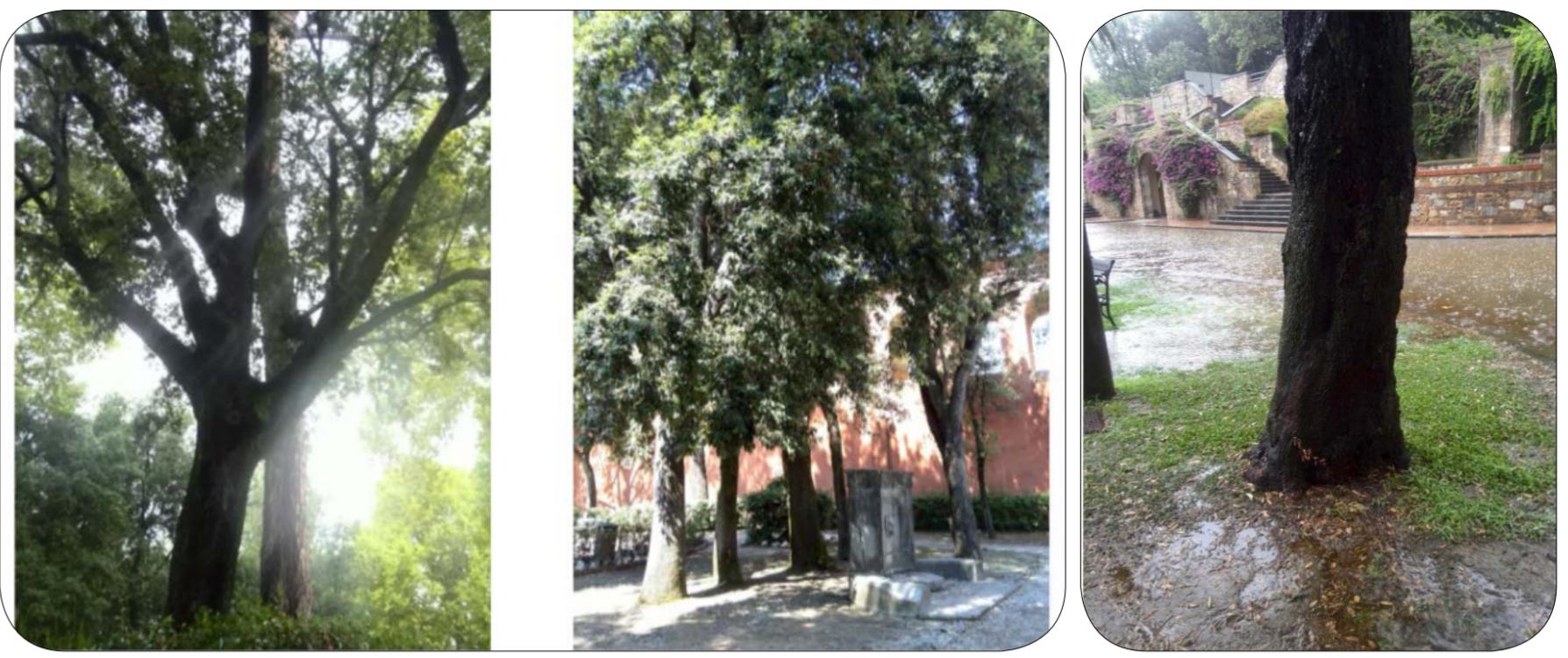


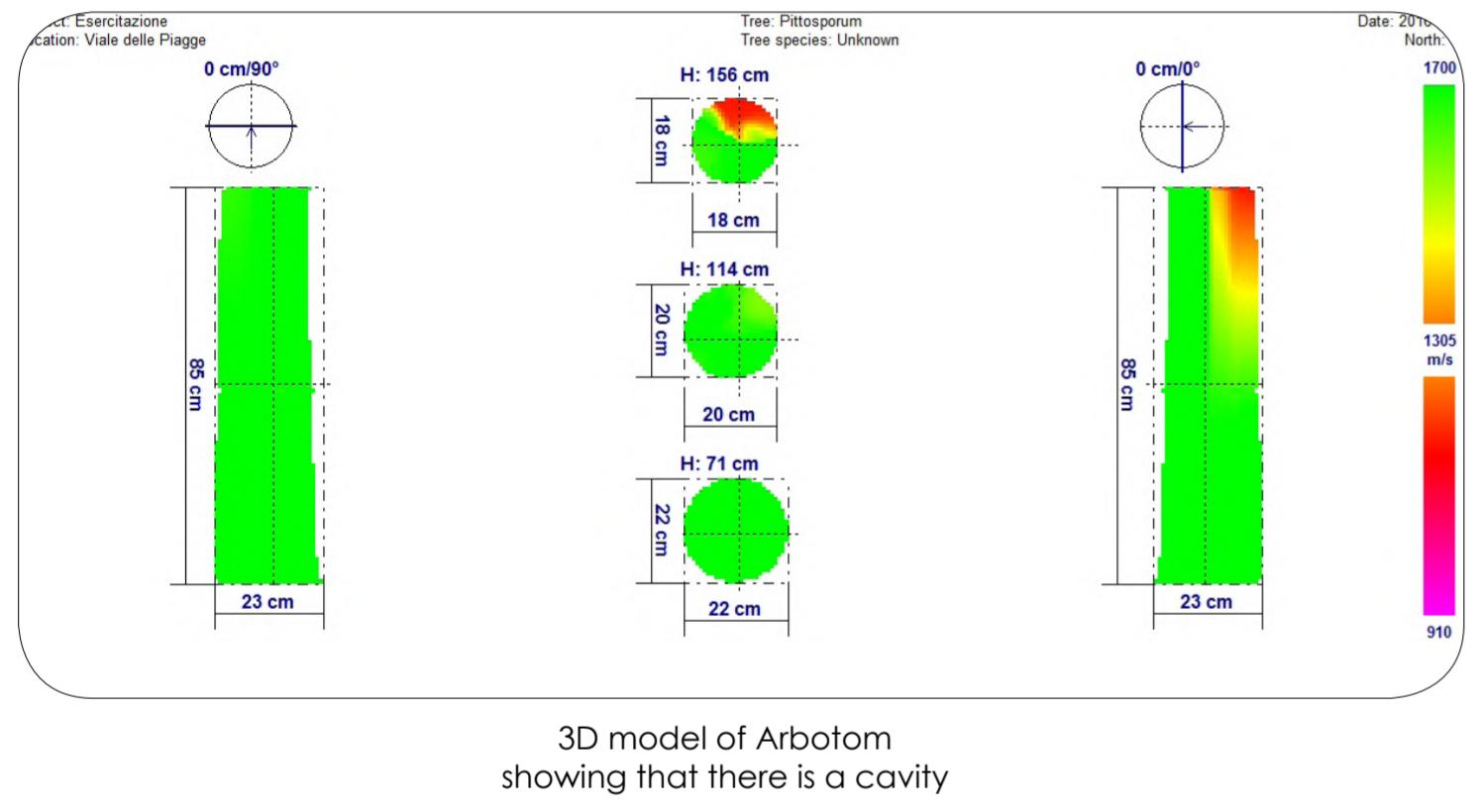
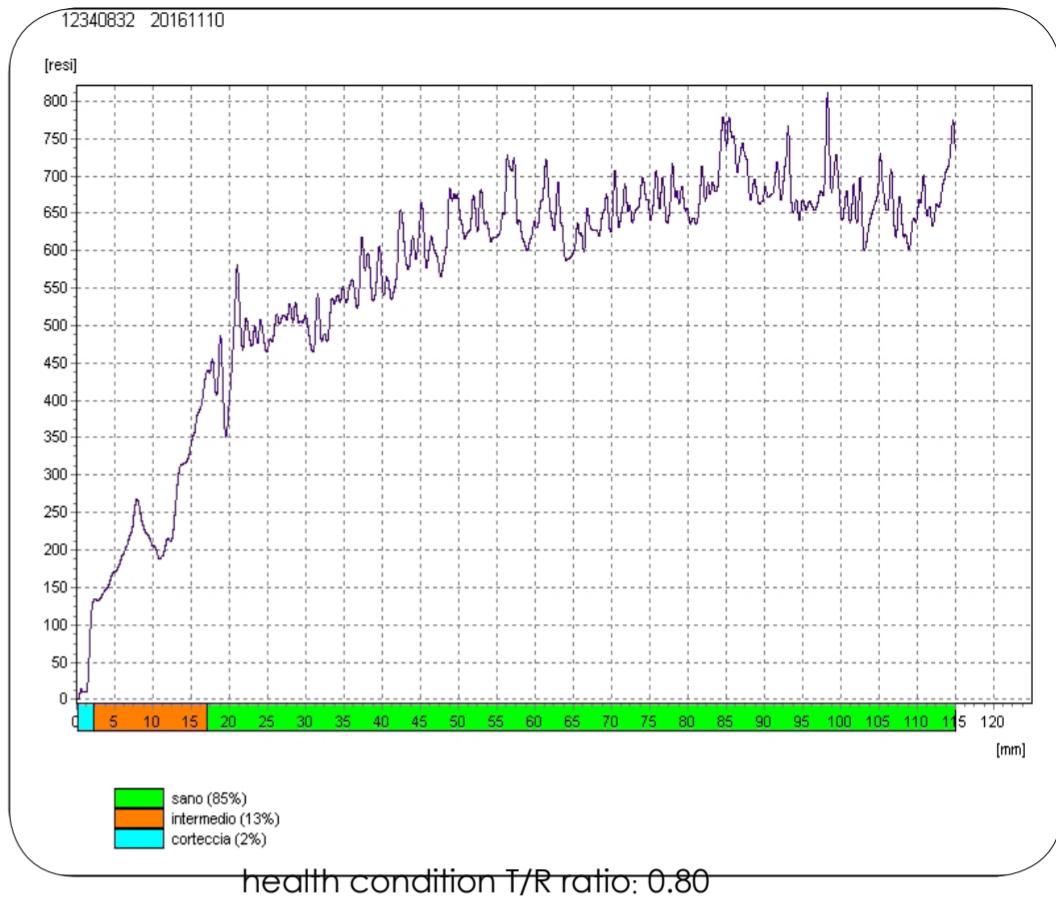
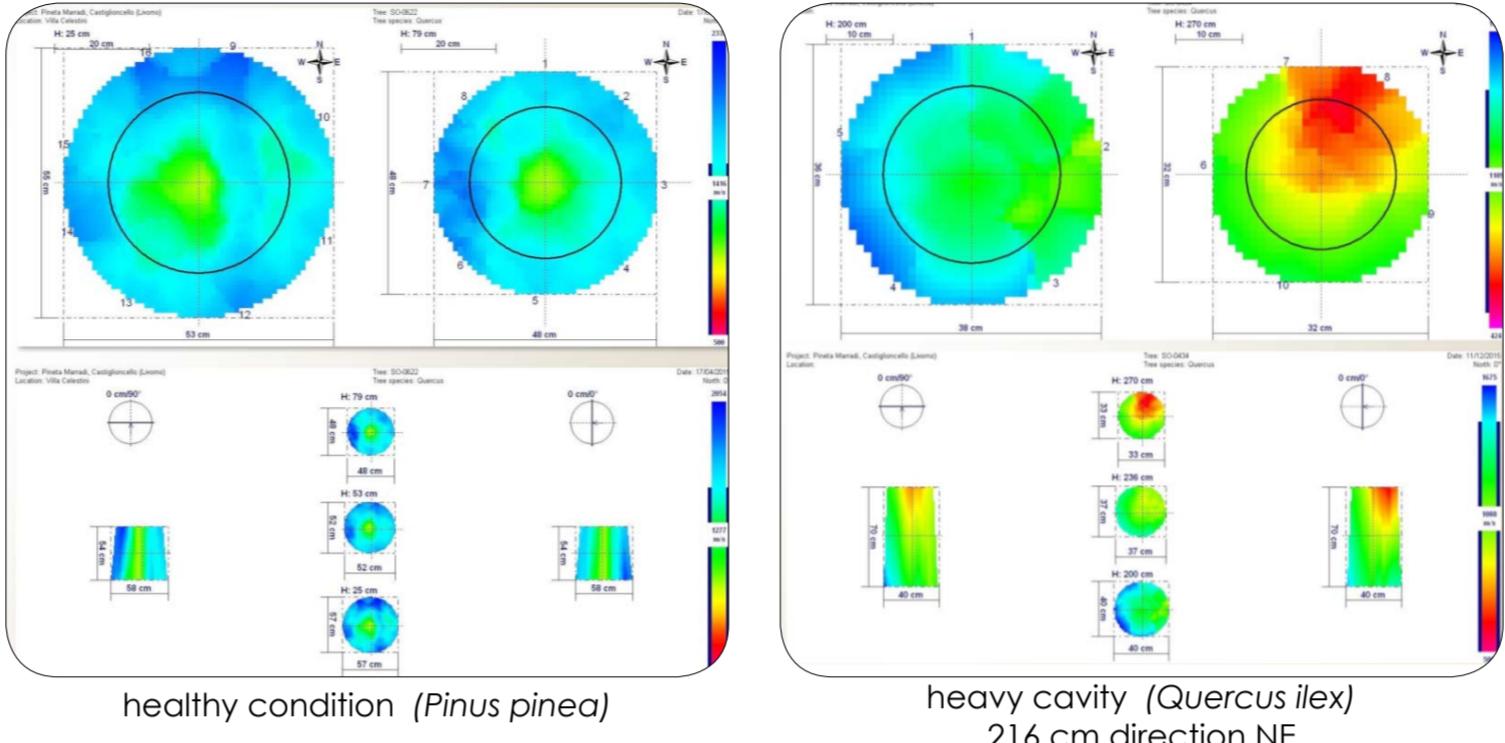
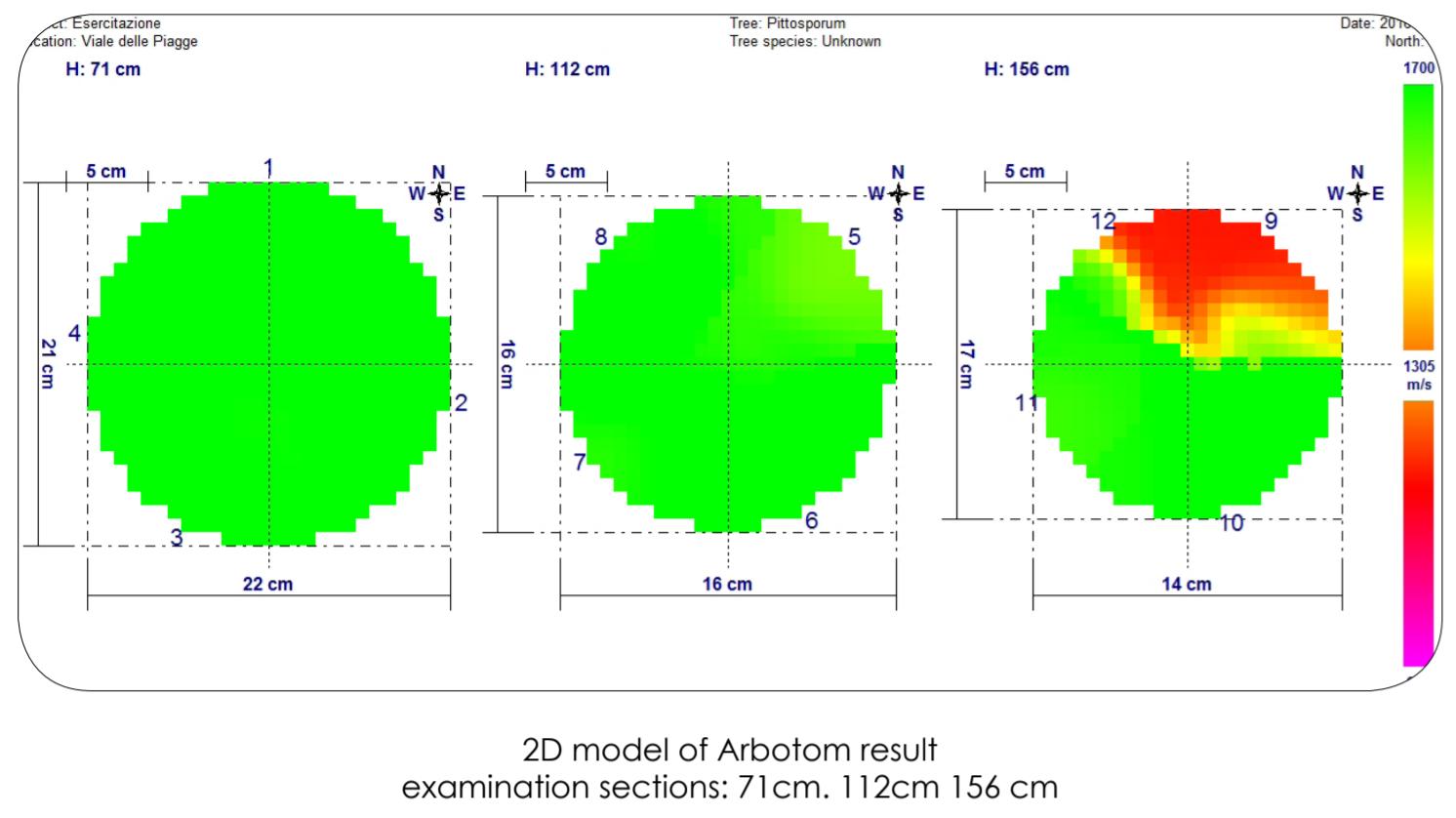
Site Plan of Giardino Scotto





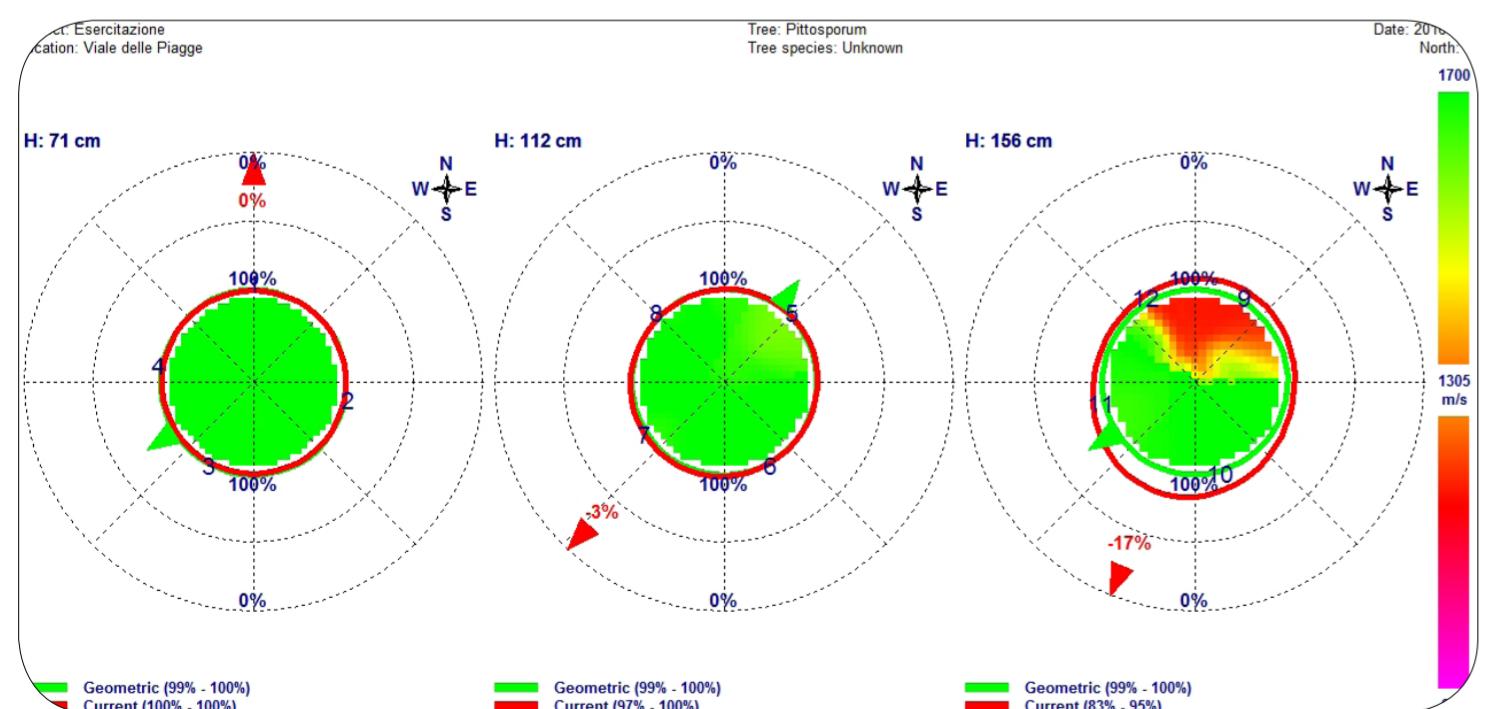
Survey of Tree Stability



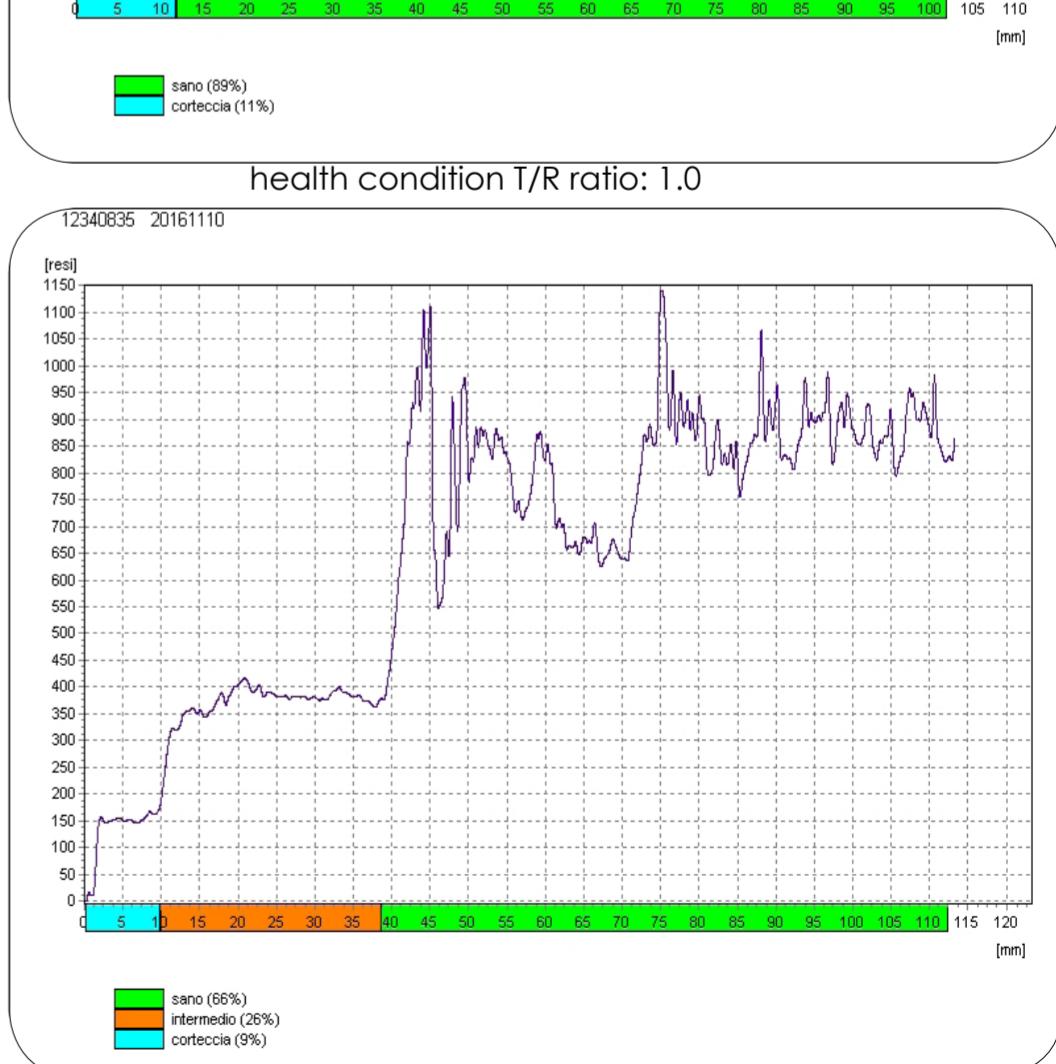


Visual Tree Assessment important samples

Risk class	Risk of pregnancy by medical condition
I	No detectable increased risk of maternal mortality and no/mild increase in morbidity.
II	Small increased risk of maternal mortality or moderate increase in morbidity.
III	Significantly increased risk of maternal mortality or severe morbidity. Expert counselling required. If pregnancy is decided upon, intensive specialist cardiac and obstetric monitoring needed throughout pregnancy, childbirth, and the puerperium.
IV	Extremely high risk of maternal mortality or severe morbidity; pregnancy contraindicated. If pregnancy occurs termination should be discussed. If pregnancy continues, care as for class III.



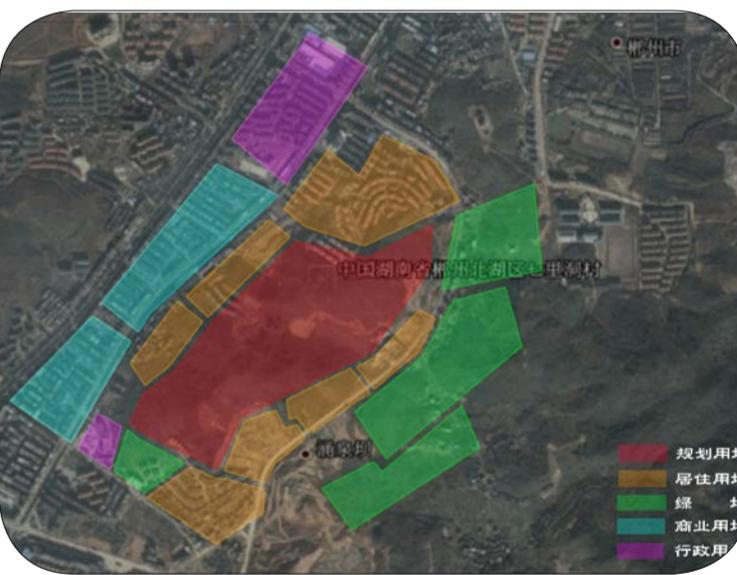
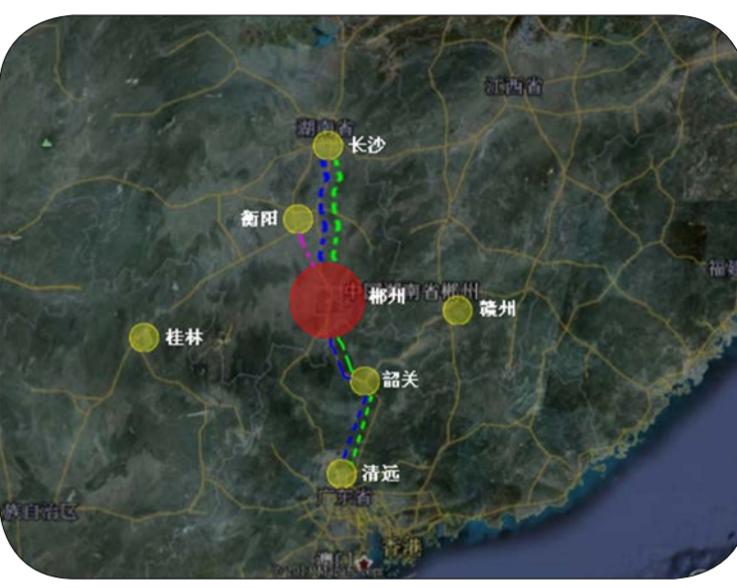
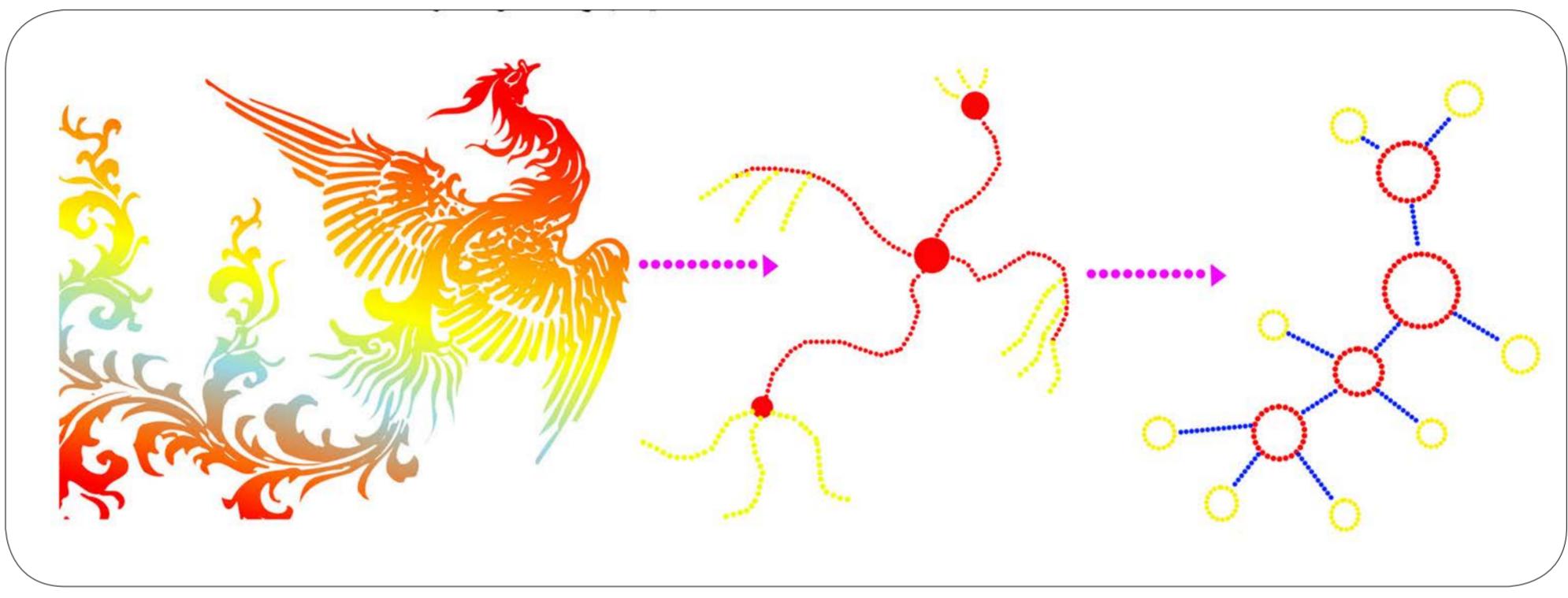
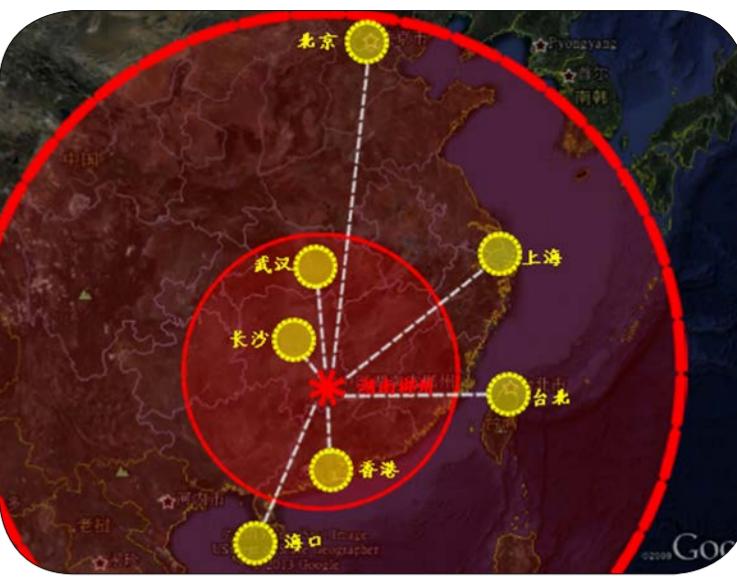
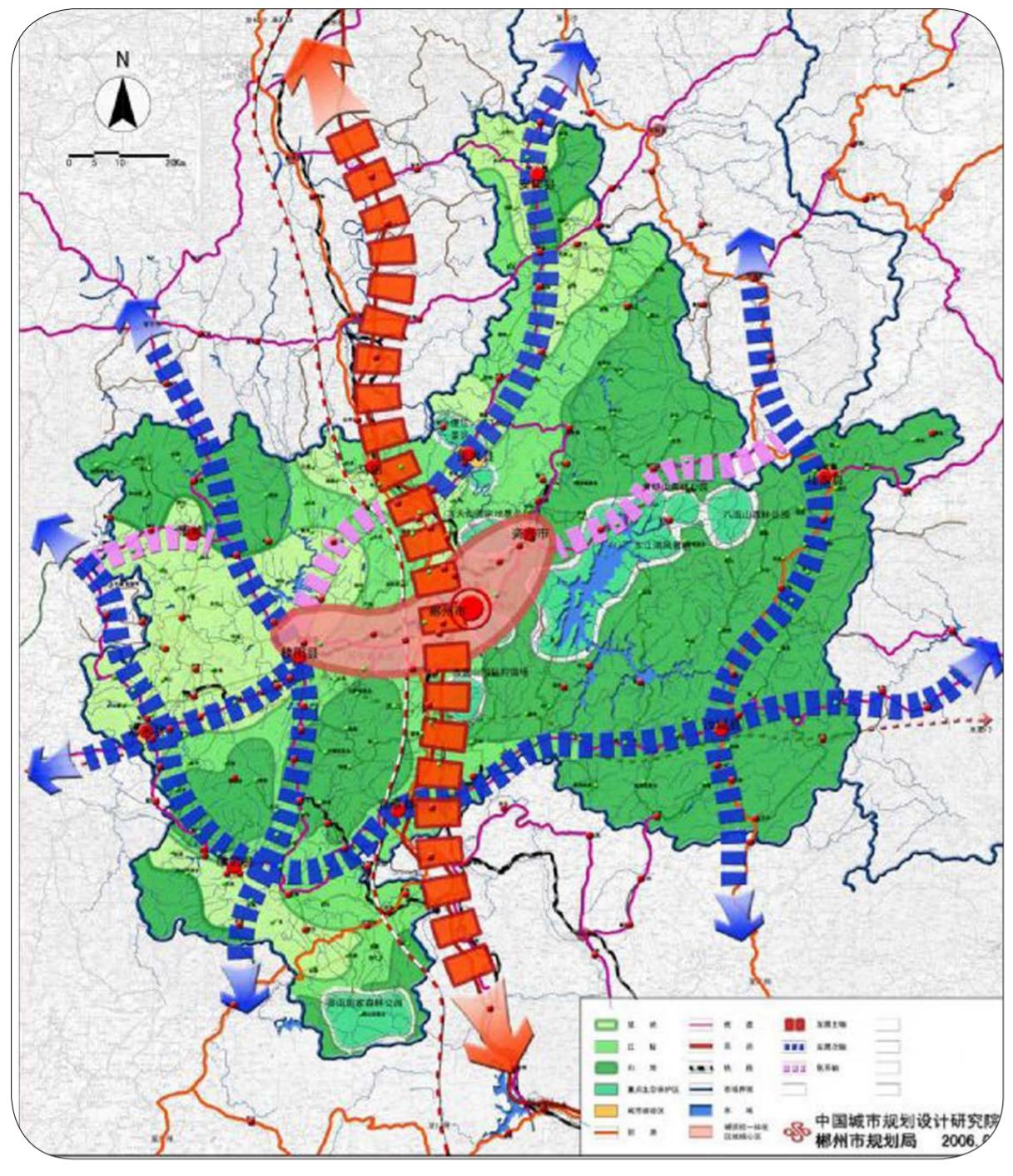
Failure Risk Classification



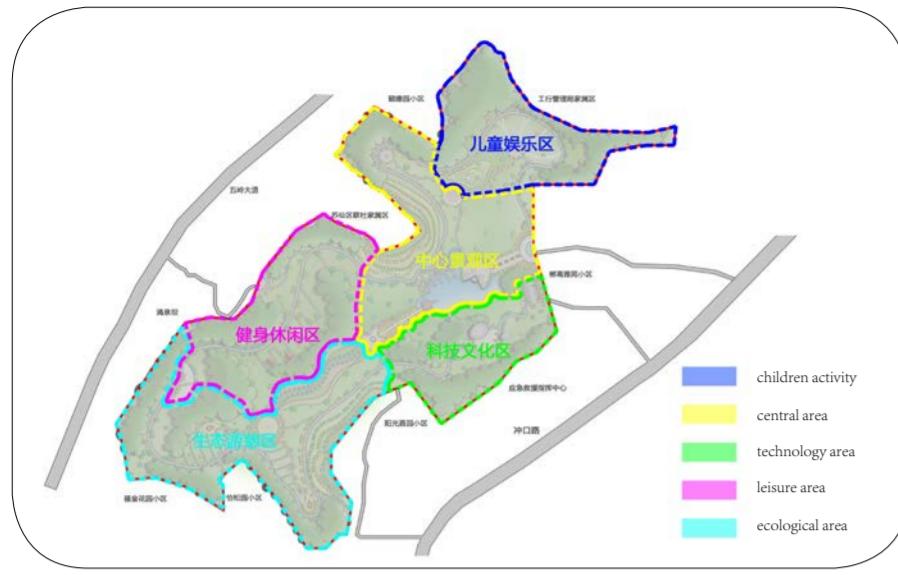
technique Resistograph (health condition of Taxus baccata)
t/R ratio: 0.49 > 1/3, which means this tree has possibility to fall down.



Chenzhou Qilidong
Cultural Park Design



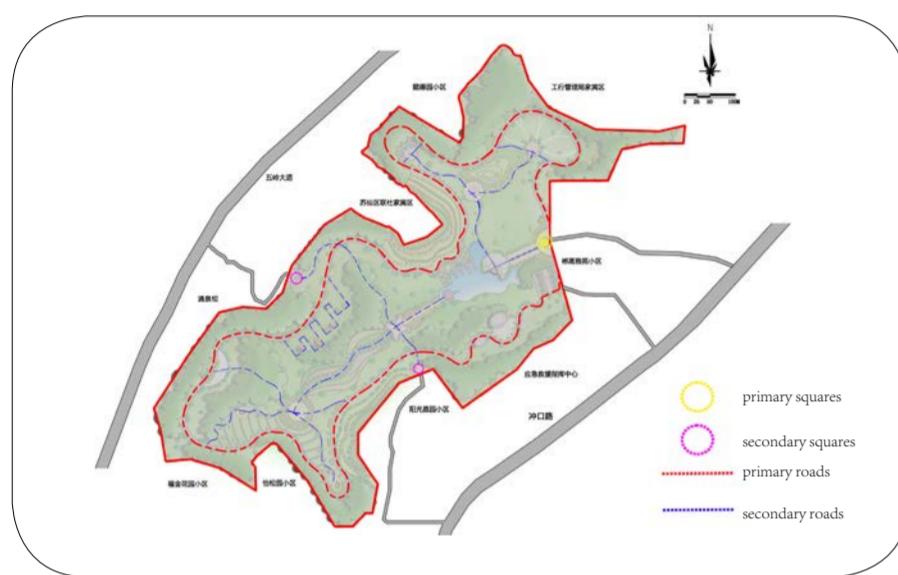
Current situation



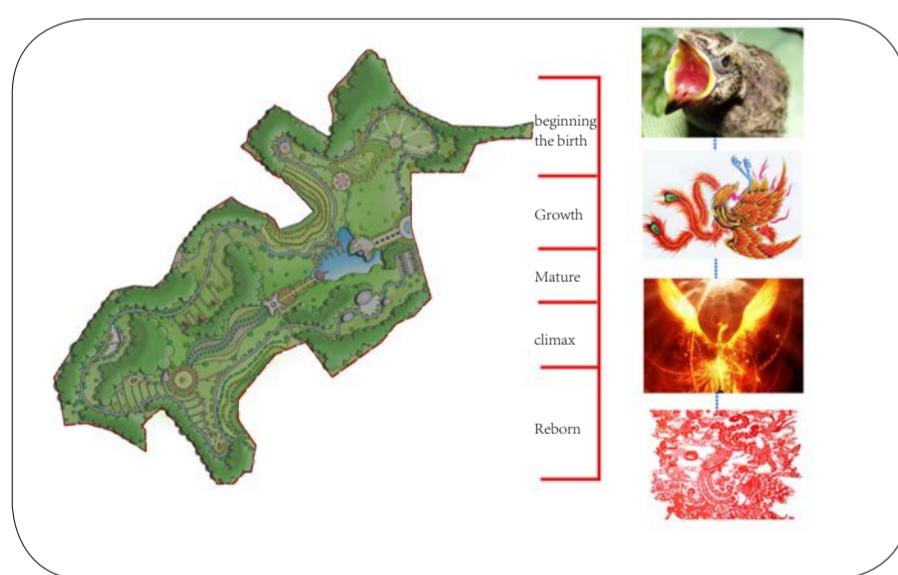
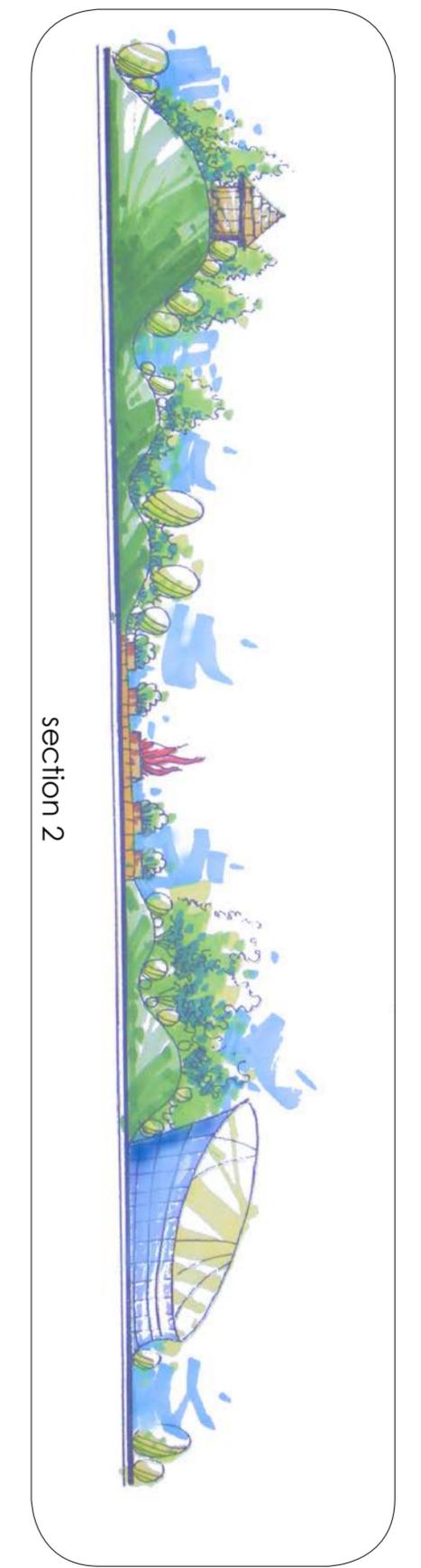
functional divisions



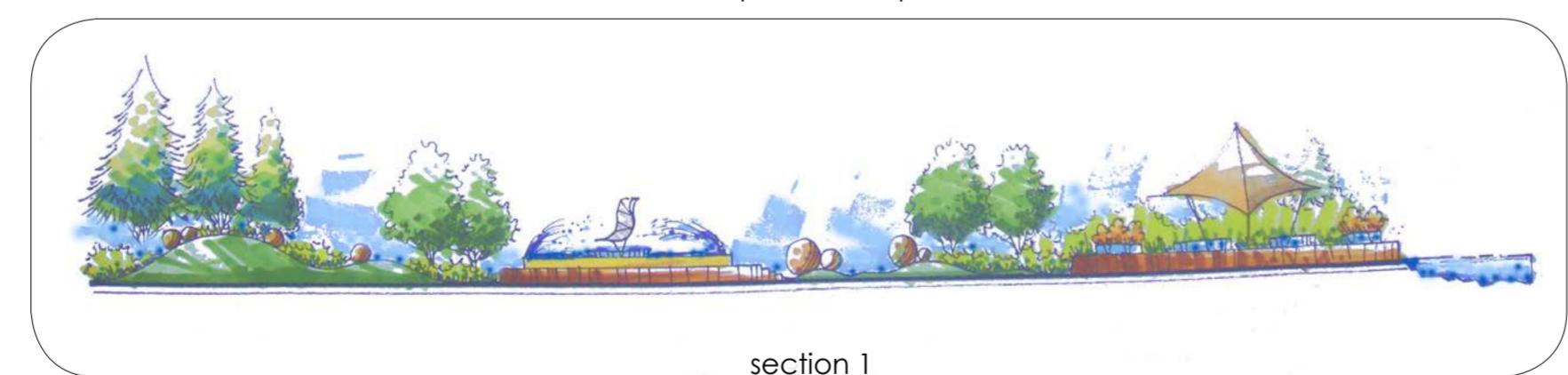
pathway in the woods



circulation analysis



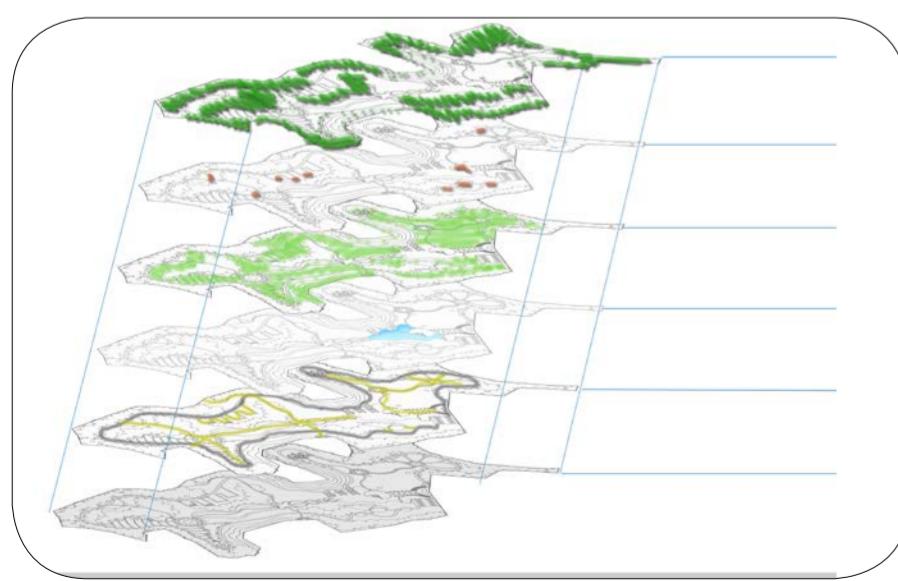
storyline of the park



section 1



perspectives of main spots



layer division



platforms near water





Future Proposal Plan of Olbramovice and Votice



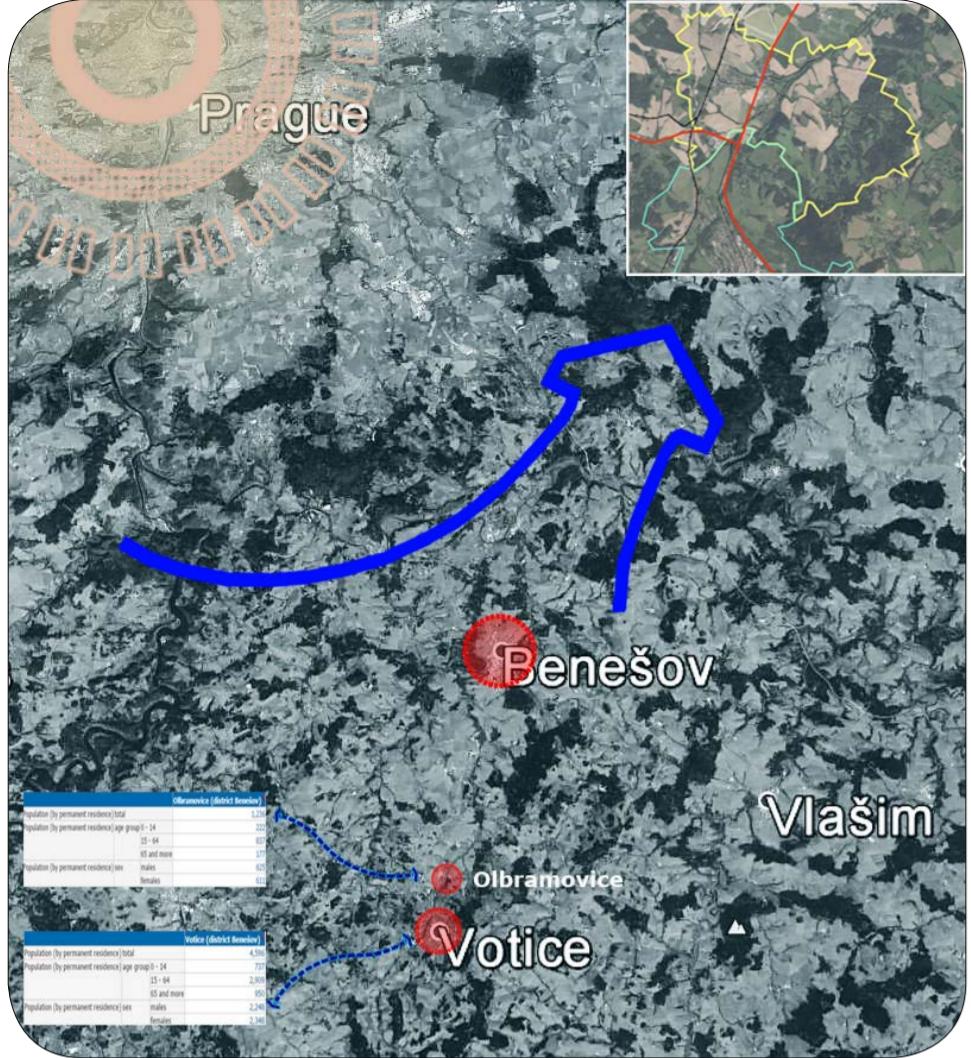
connection



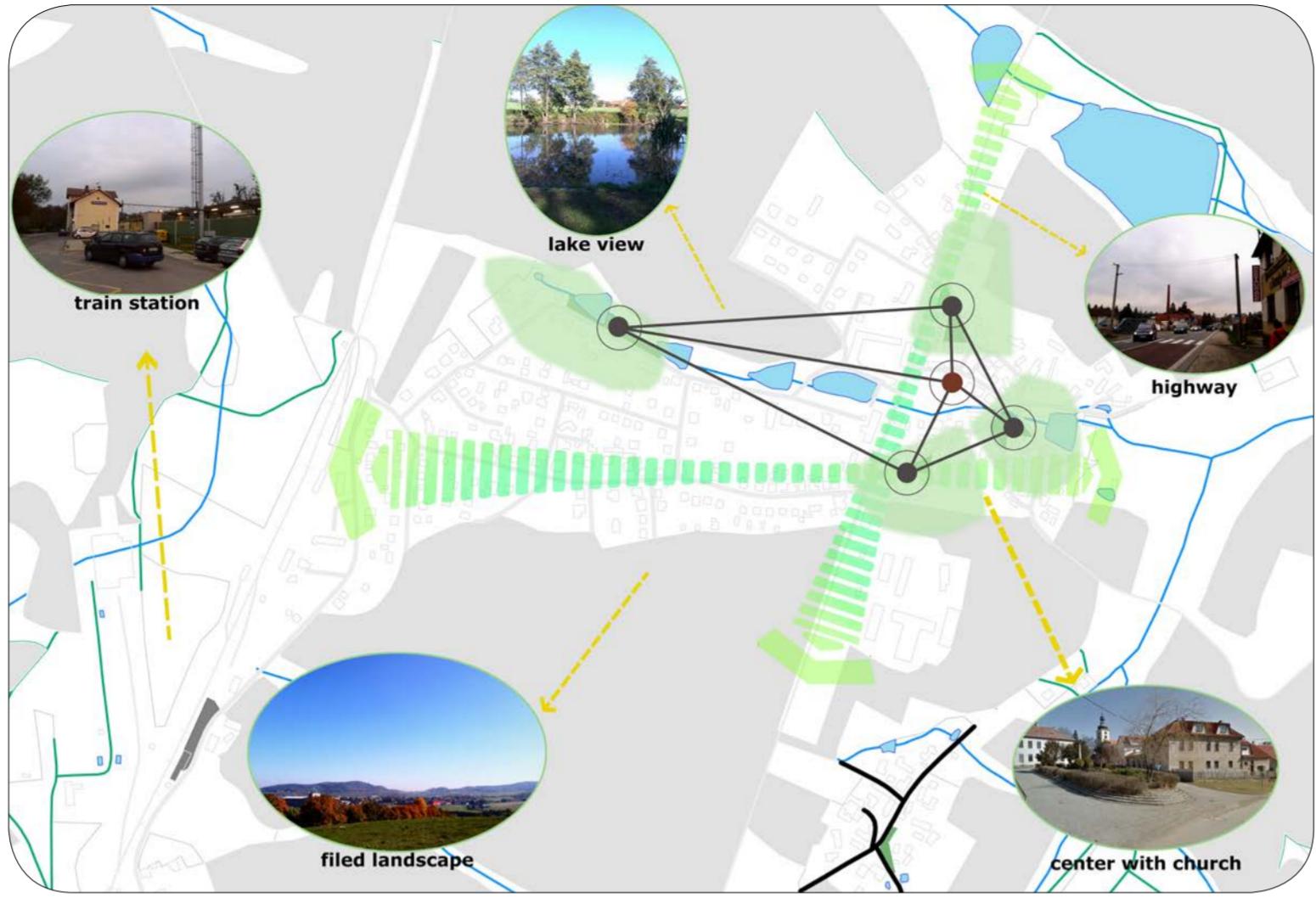
vitality



culture tourism



location

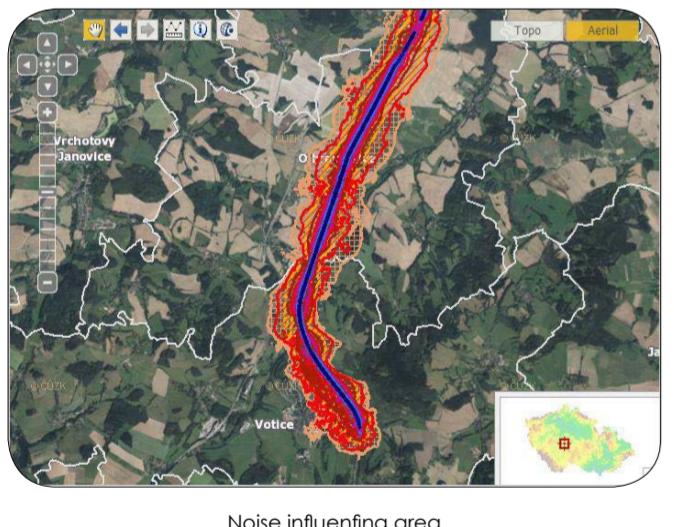


structure of Olbramovice

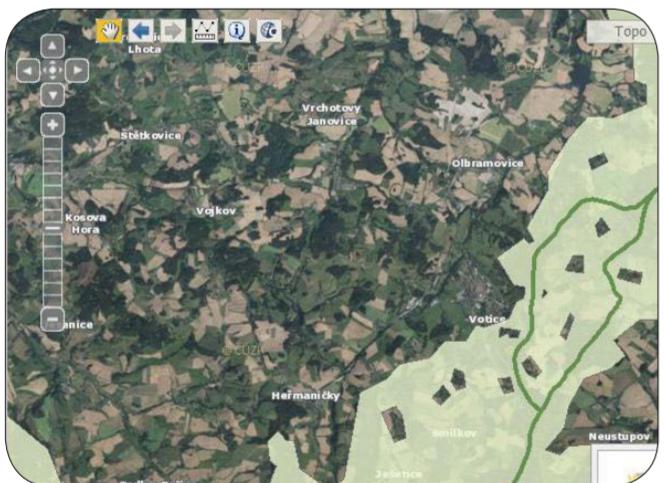


structure of Votice

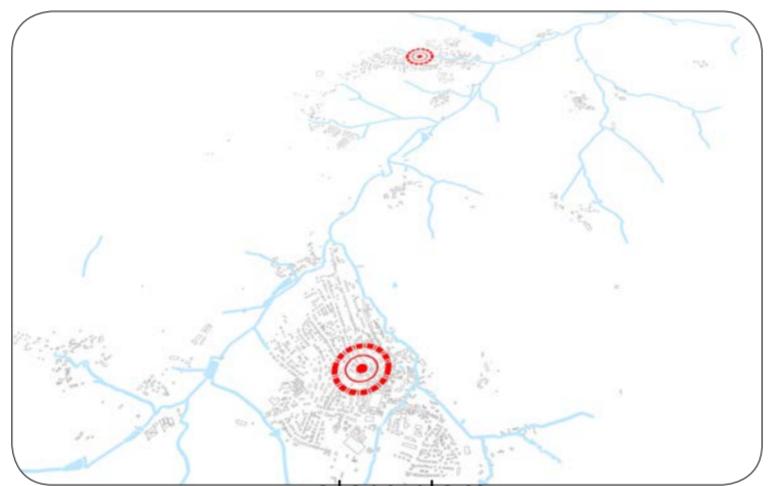
Basic information about two towns



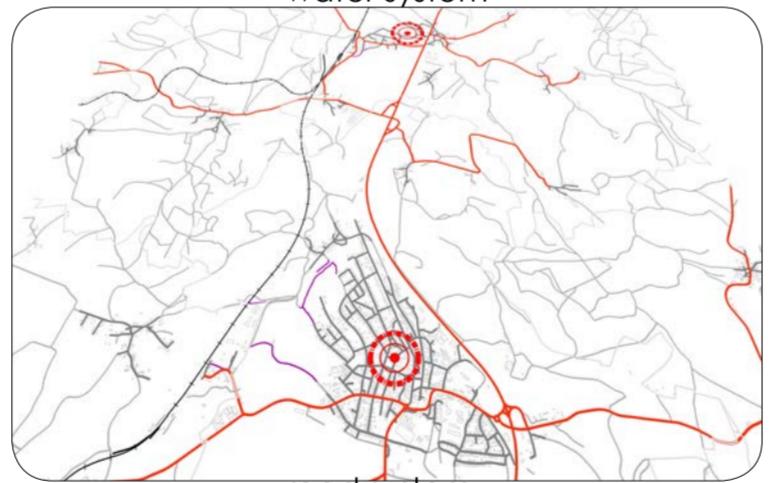
Noise influencing area
(blue: heavy, red medium)



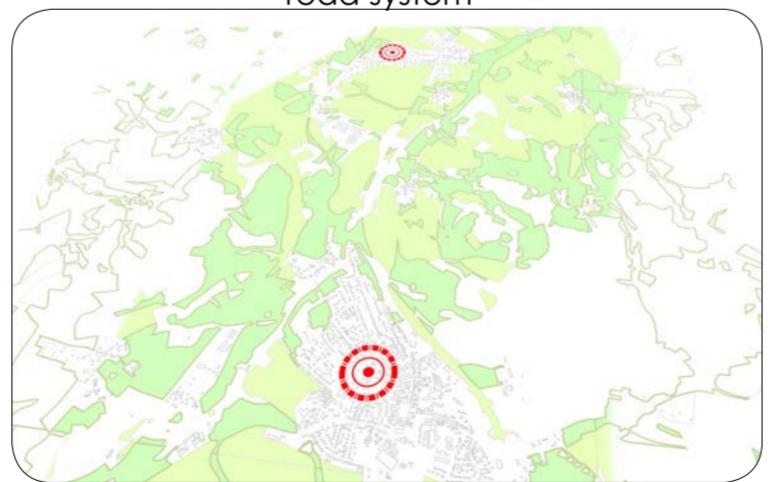
important Biocorridor
near the town



water system



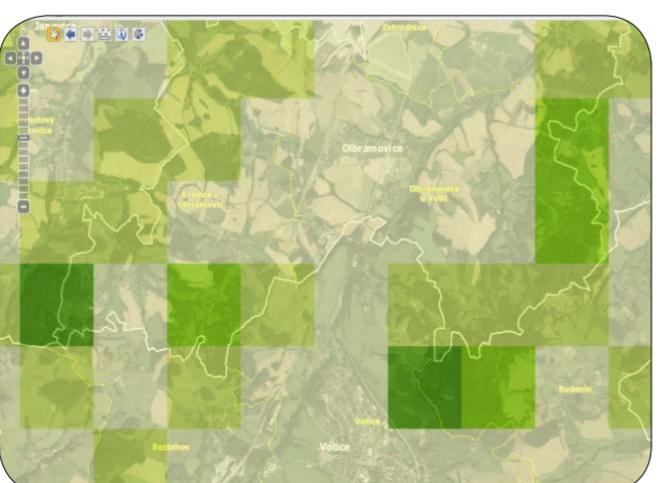
road system



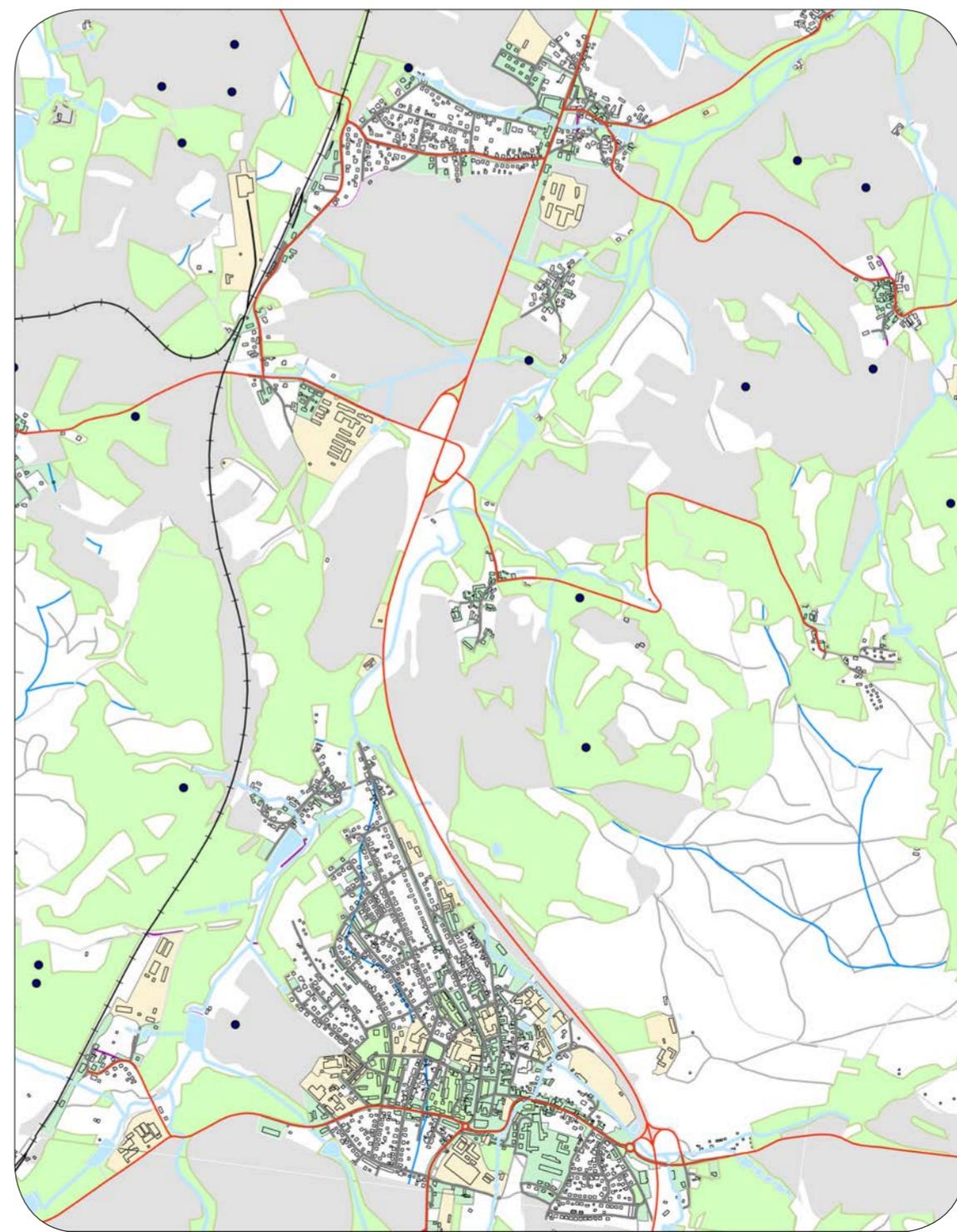
green system



Protected area and important
trees



Natural risk zones
(green low, yellow medium)



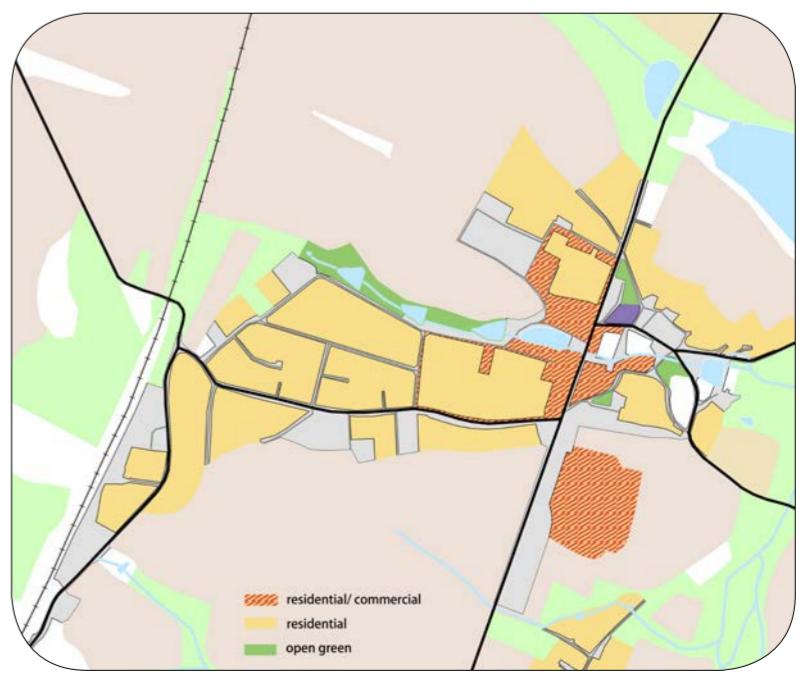
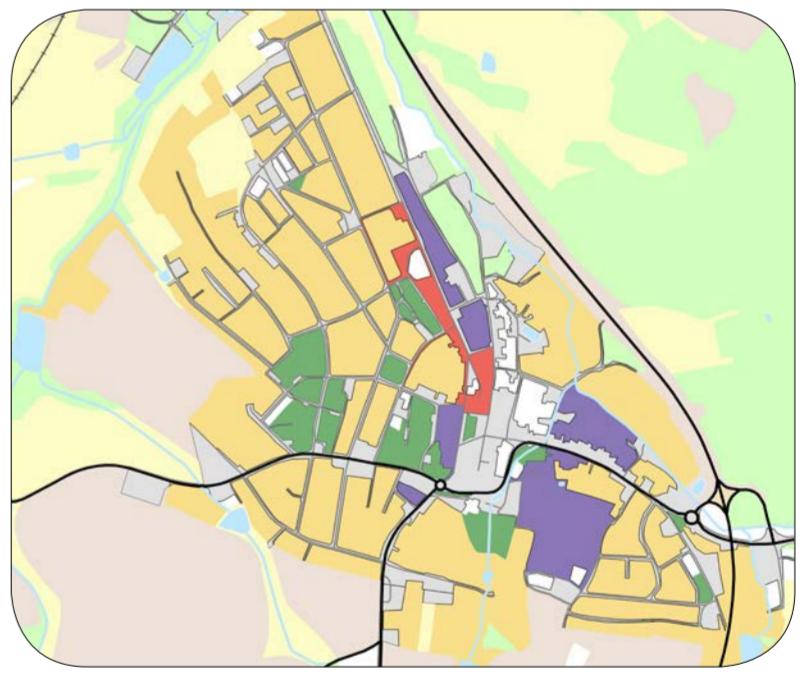
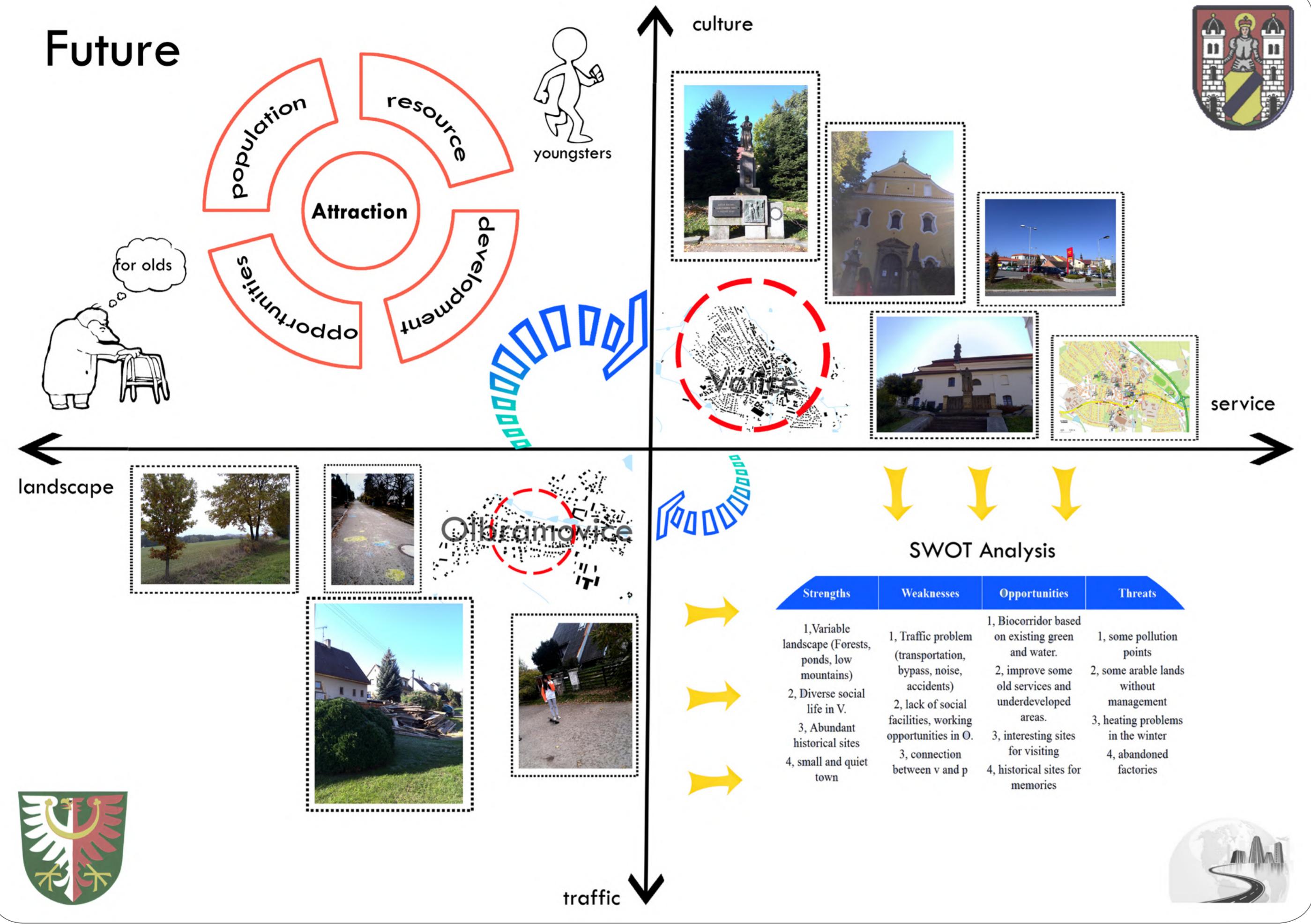
land use



black and white relationship
(building density)



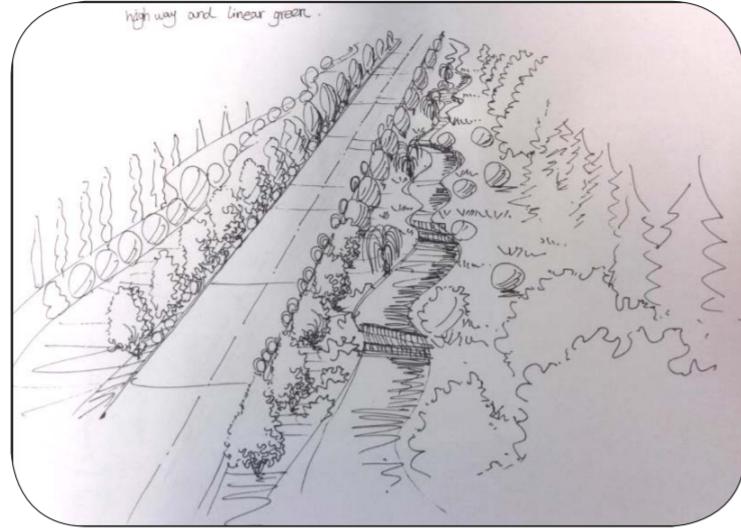
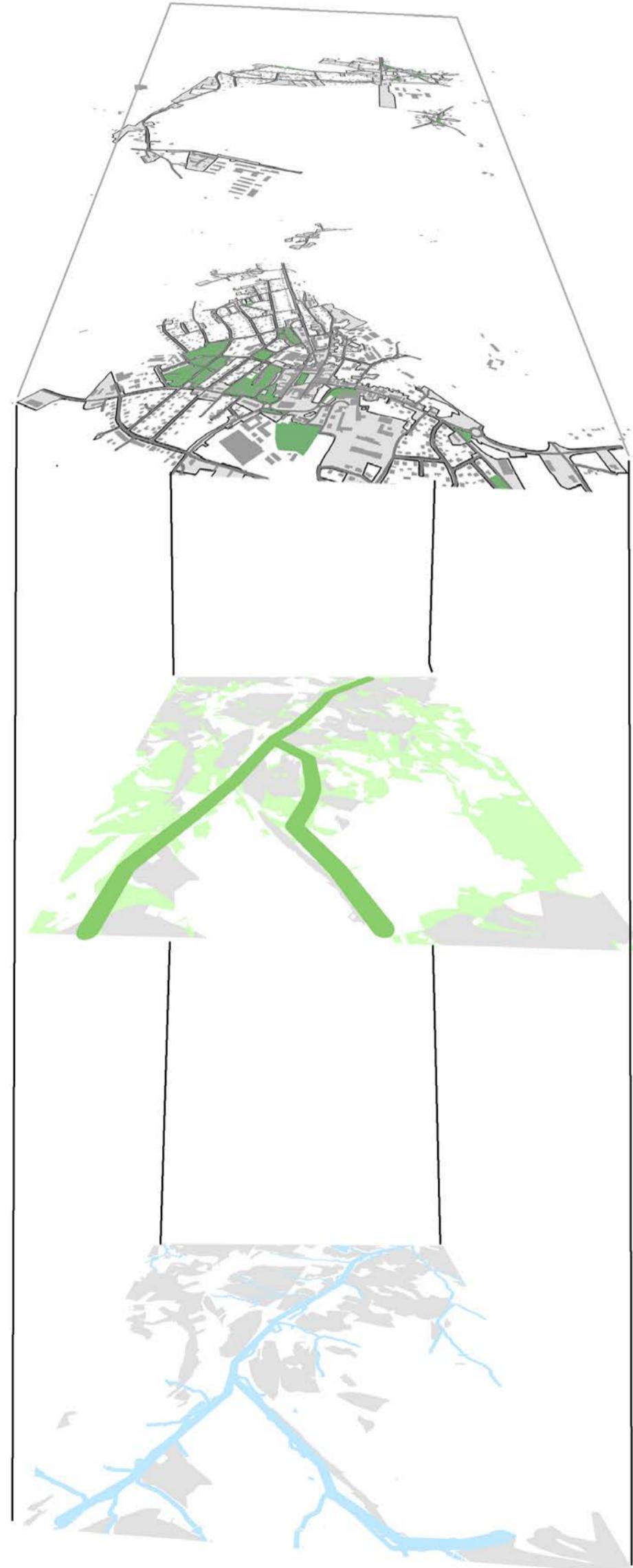
Future



functional analysis

Economy Vitality

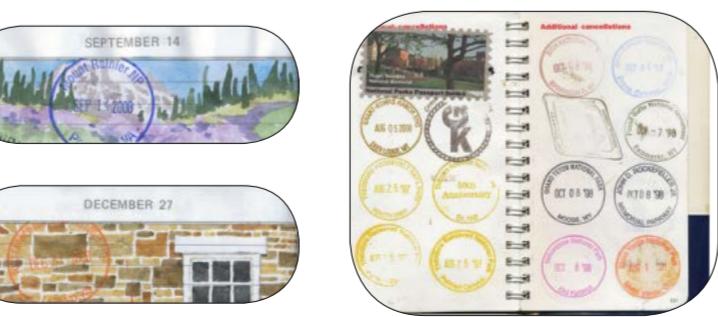
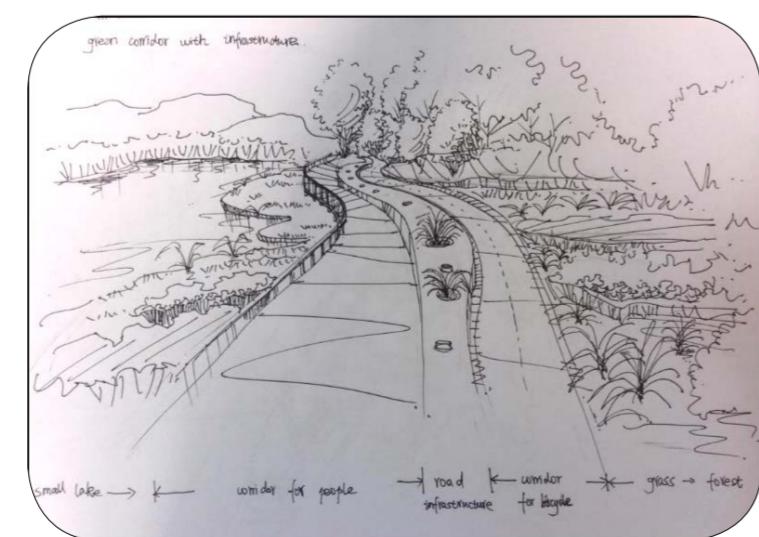
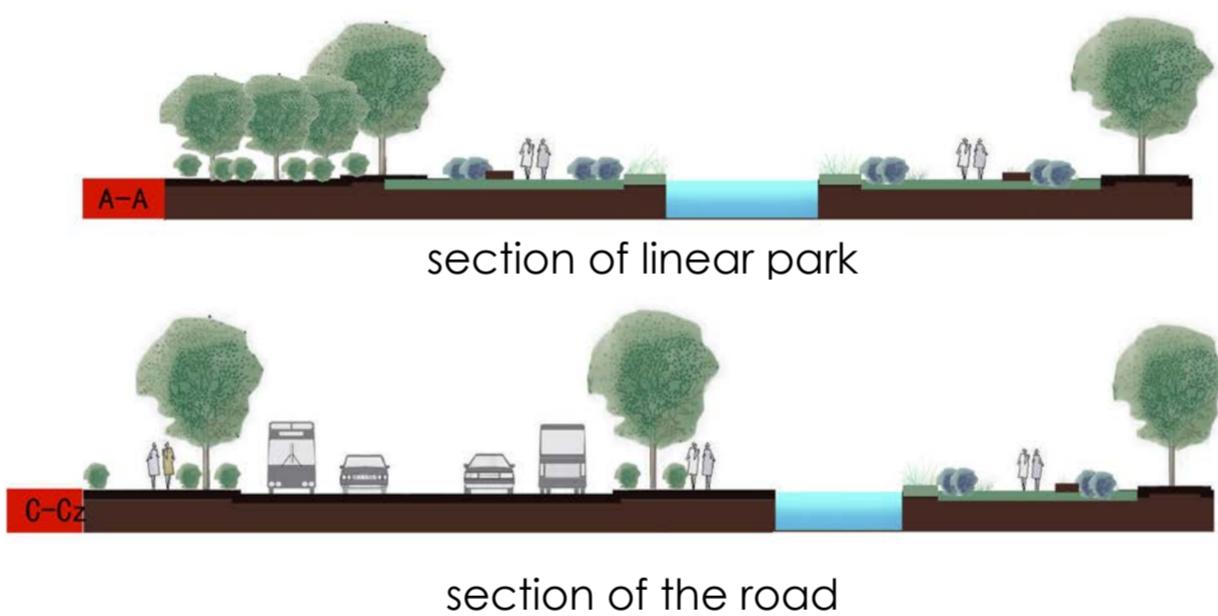
Connection between O, V and Prague --- bus stations, bicycling and walking way, New infrastructures



new parks position + cultural center

Ecology Freindly

Protection of important forest area and stream system, better utilization of green corridor and parks

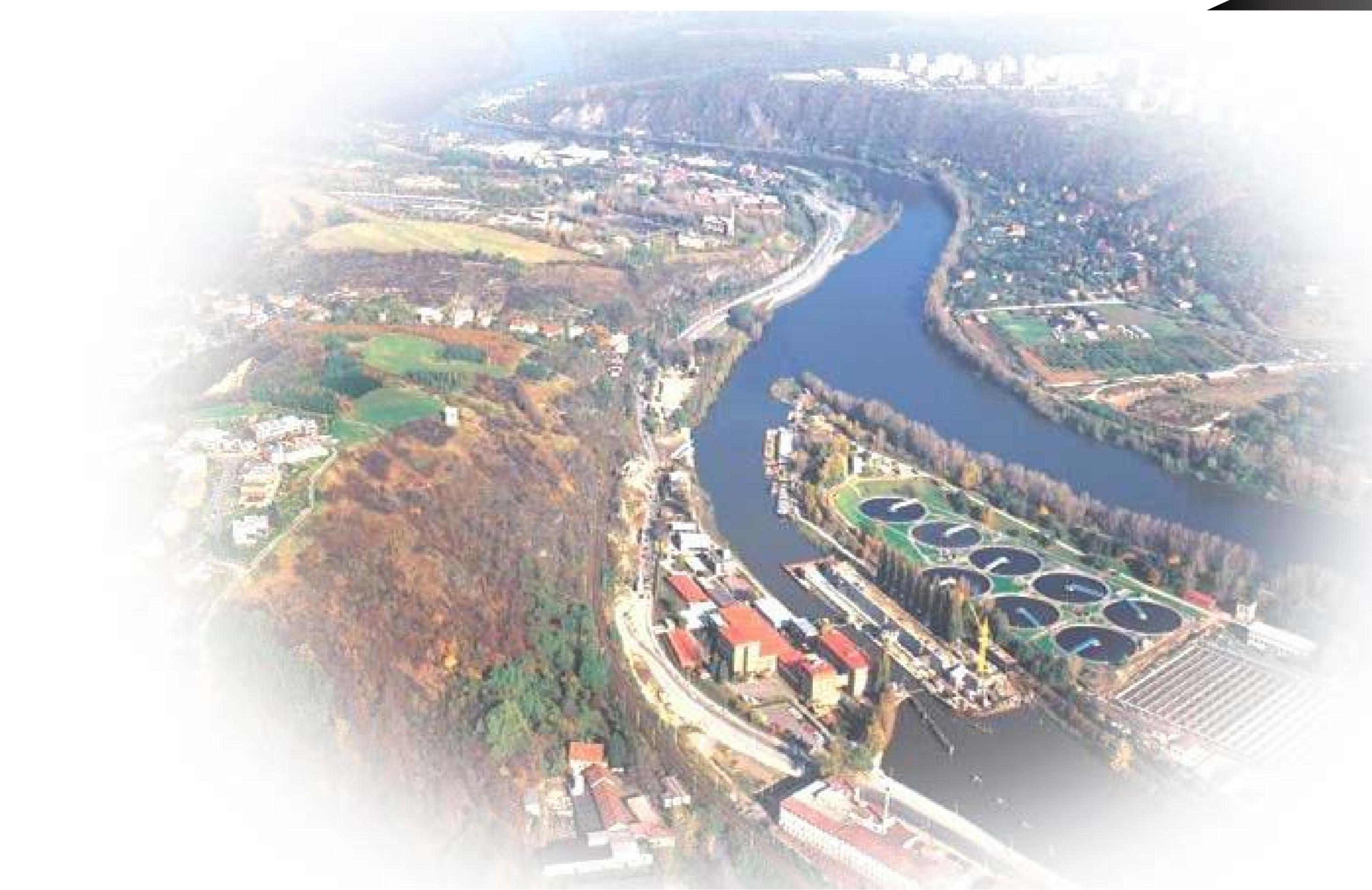


new activity--search the city

Culture Vitality

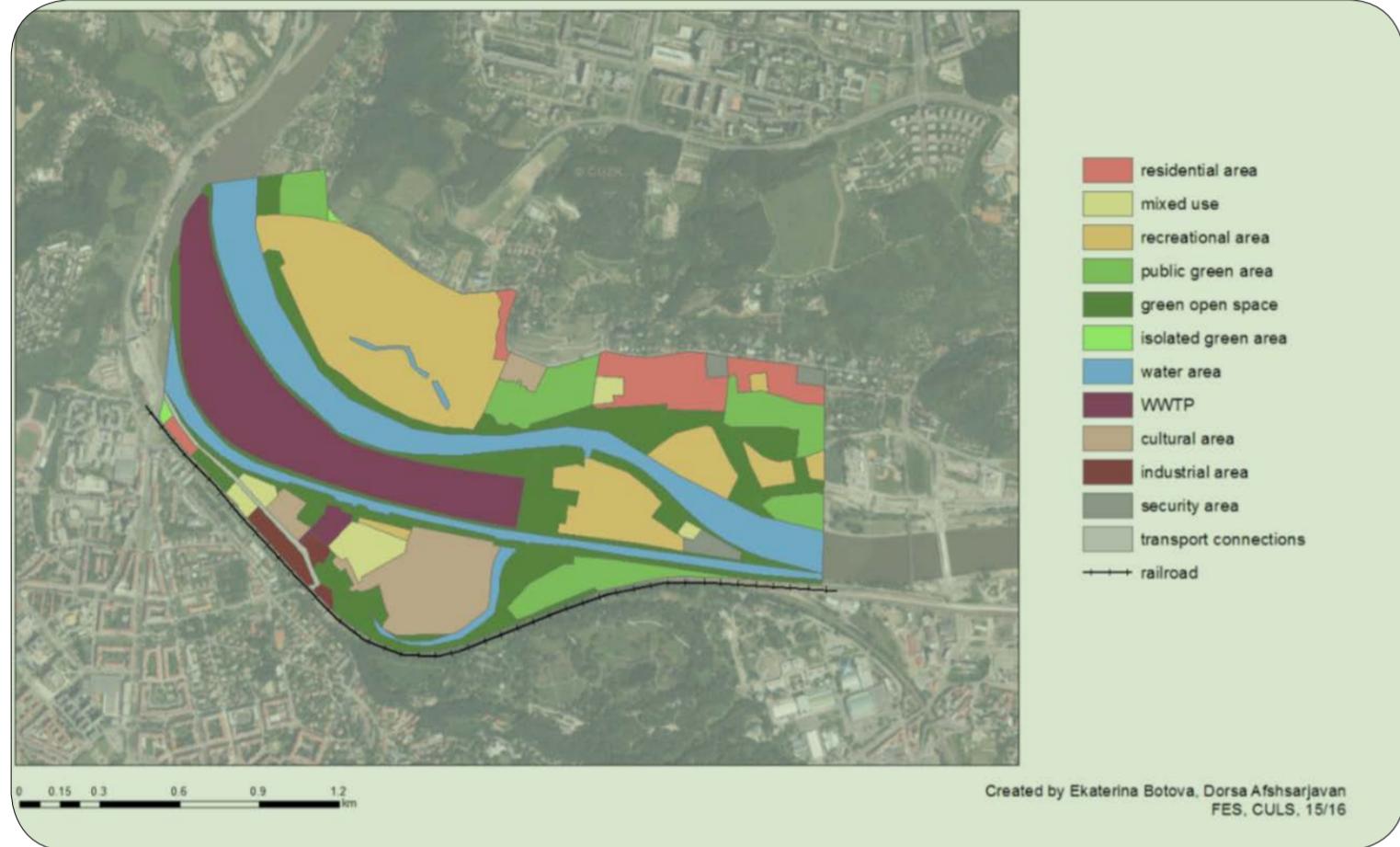
More activity opportunities, new recreational areas, The character of the city---protect historical and cultural sites.

**Conceptual design of
Stromovac Park**





the natural scene around the park and the river



landuse around the site

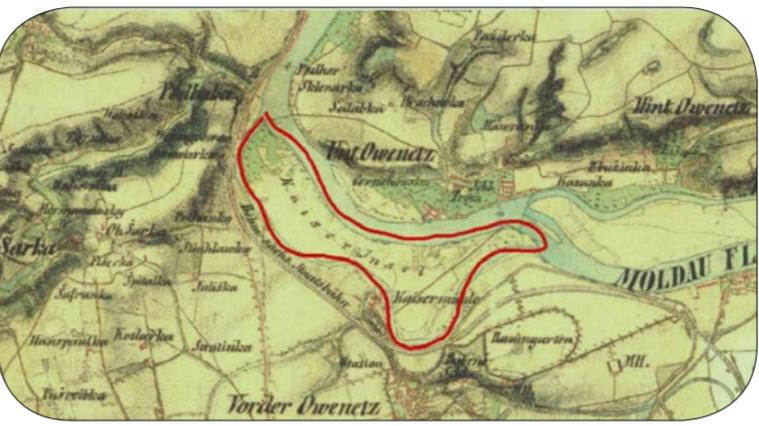


landuse inside of the site

Landscape design of Stromovac Park ----A Flower Rainstorm Park



historical map in 18th century



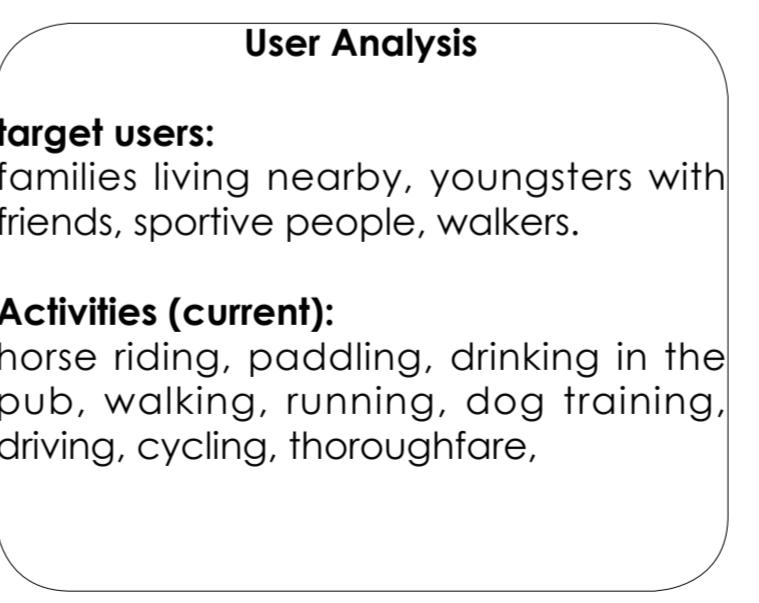
historical map in 19th century



A flood happened in 20th century



current orthophoto



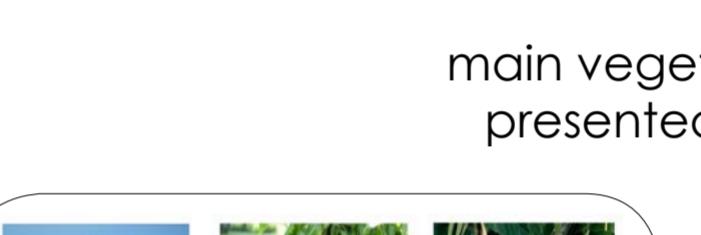
POPULUS NIGRA



ROBINIA PSEUDOACACIA



ACER PLATANOIDES



QUERCUS PETRAEA



SALIX

main vegetation species presented in the park



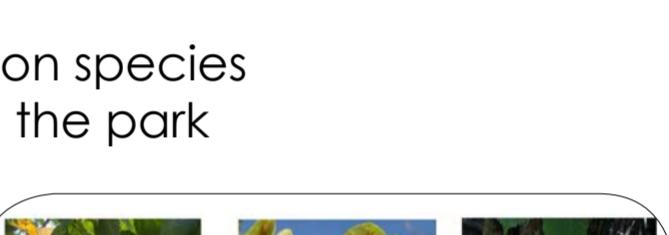
JUGLANS REGIA



ULMUS MINOR



FRAXINUS EXCELSIOR



OSTRYA CARPINIFOLIA



CORNUS MAS



FRAXINUS ANGUSTIFOLIA



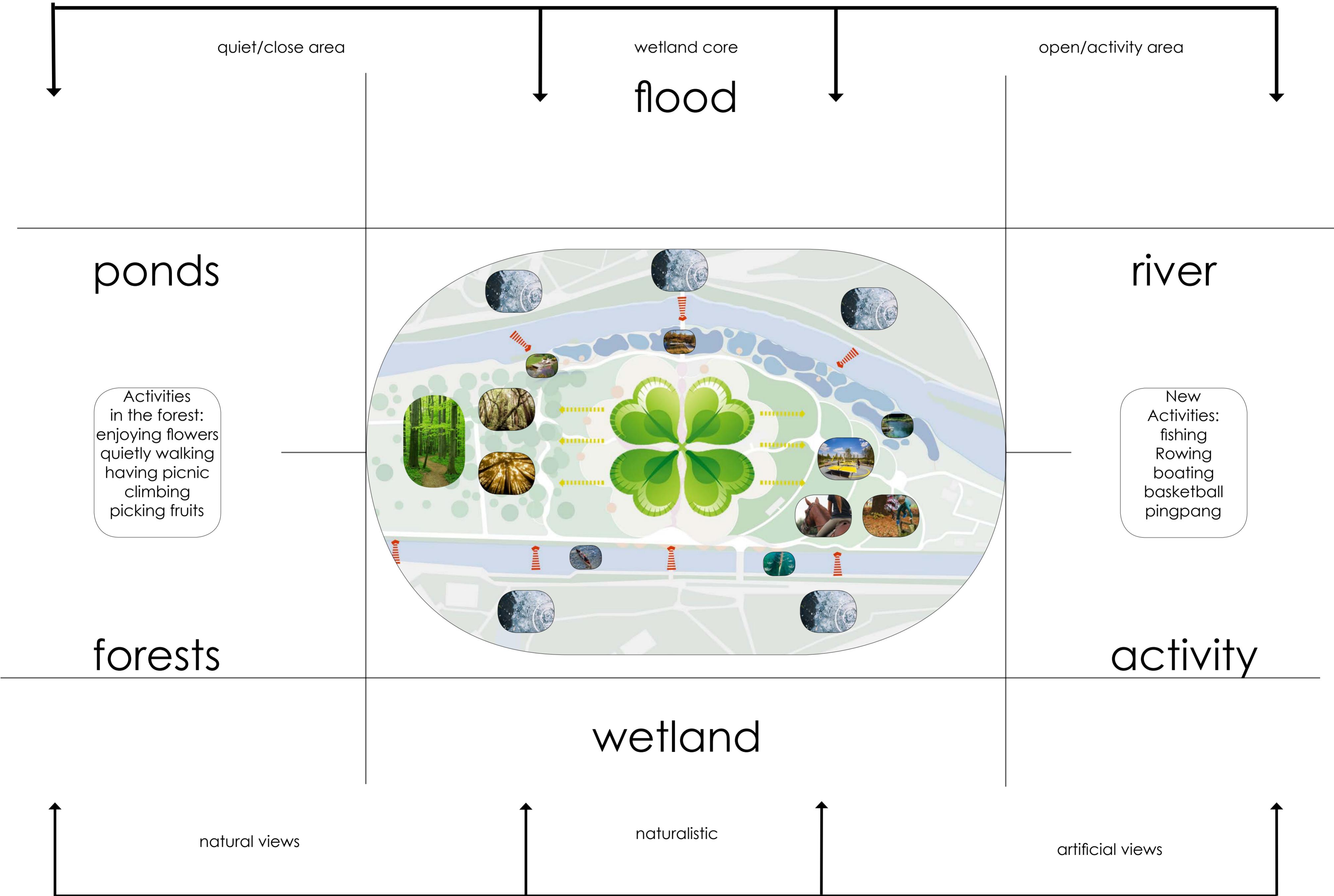
AESCULUS HIPPOCASTANUM

Main Goals

Flood control.
Conservation of natural forest and some important trees.

Reuse of some buildings
Order the road system

Better utilizing of along river landscape.
Create more services and activities





Before



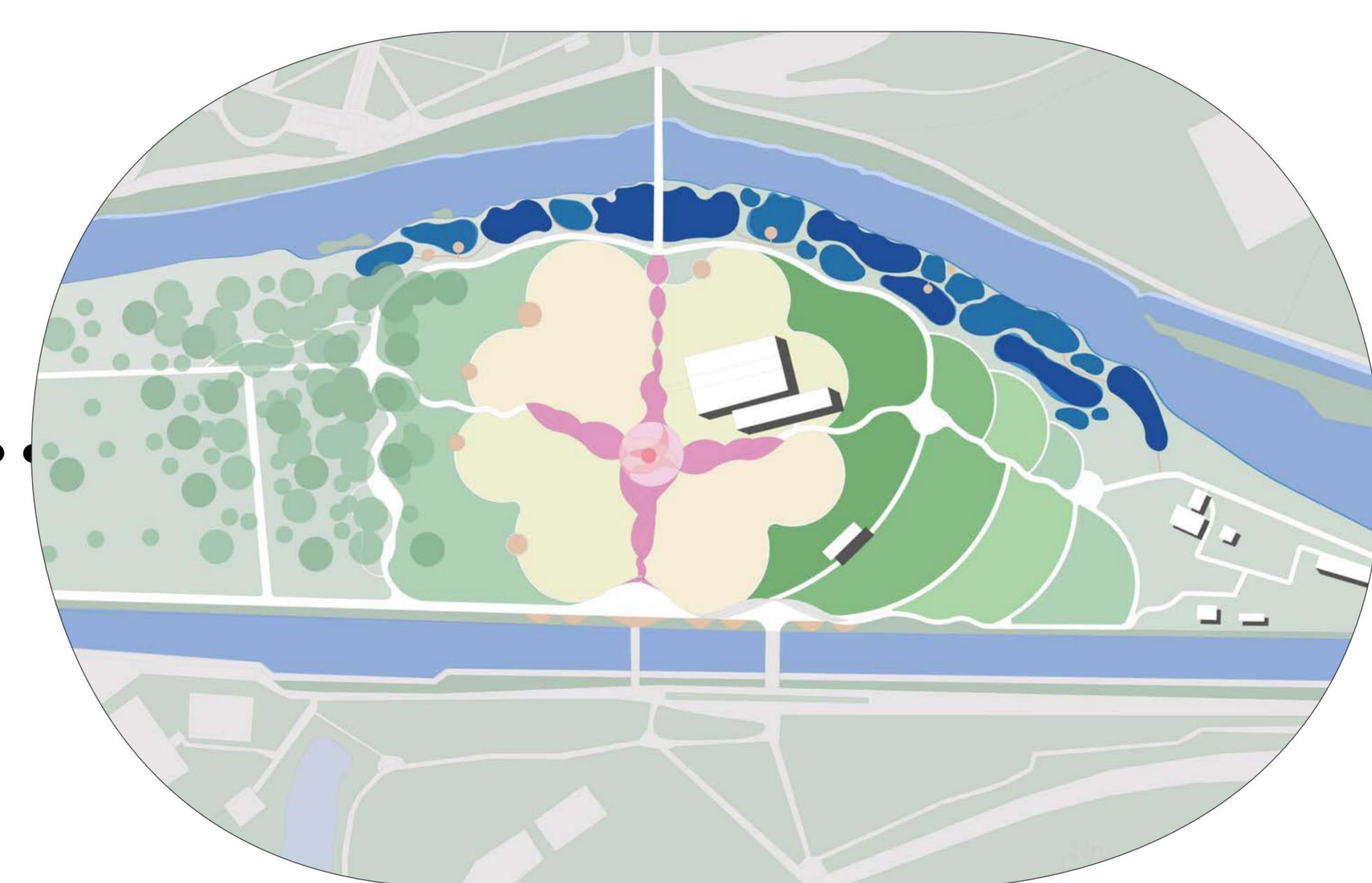
Bridge



natural forest



abandoned playground



green parking



colorful pavement



dog training



horse riding



natural shore

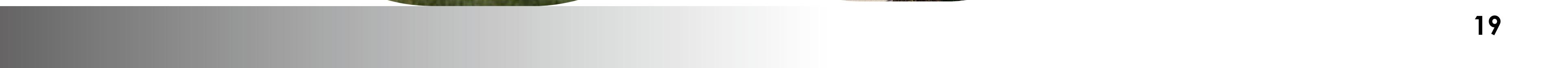
After



platform

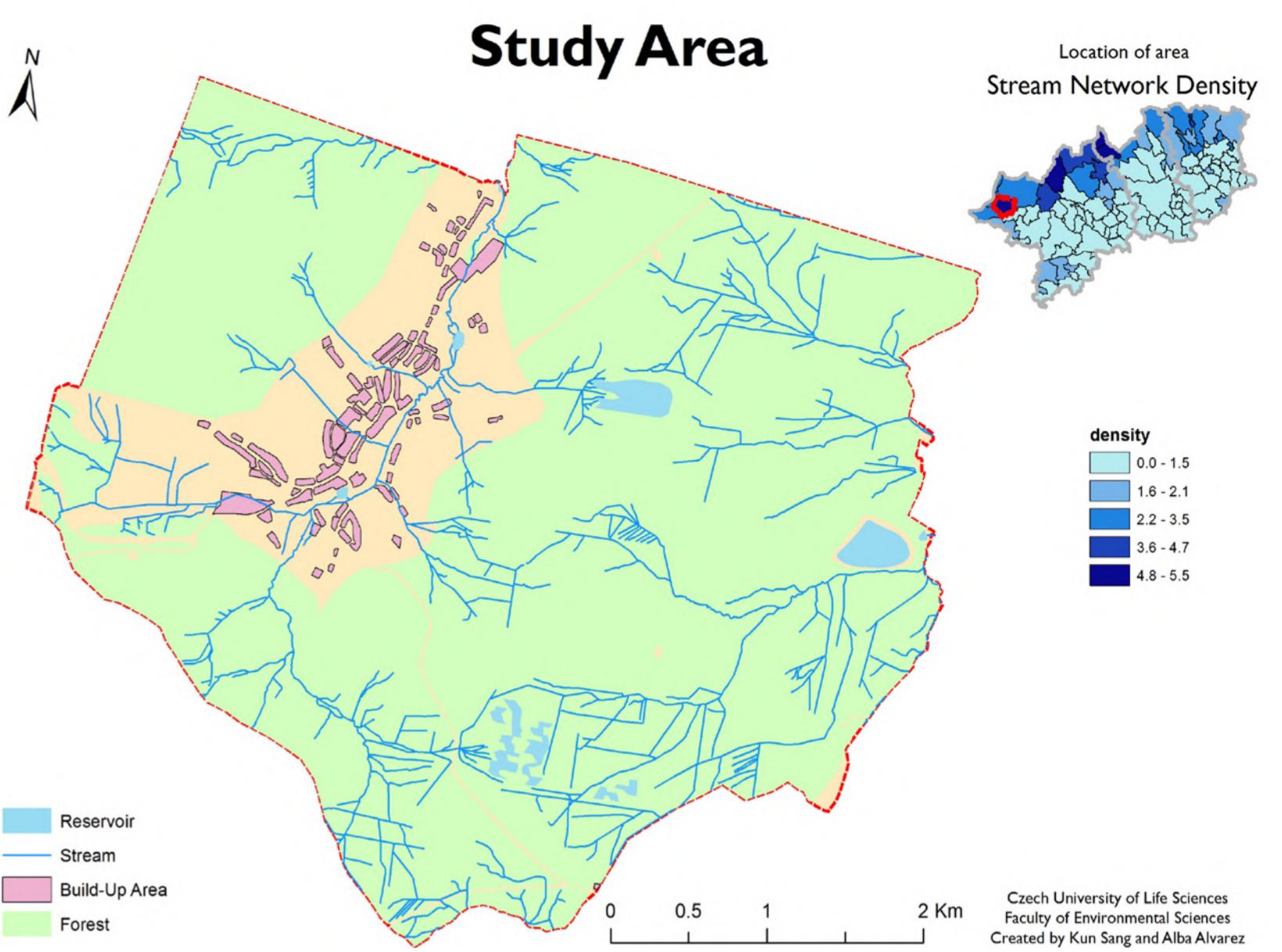
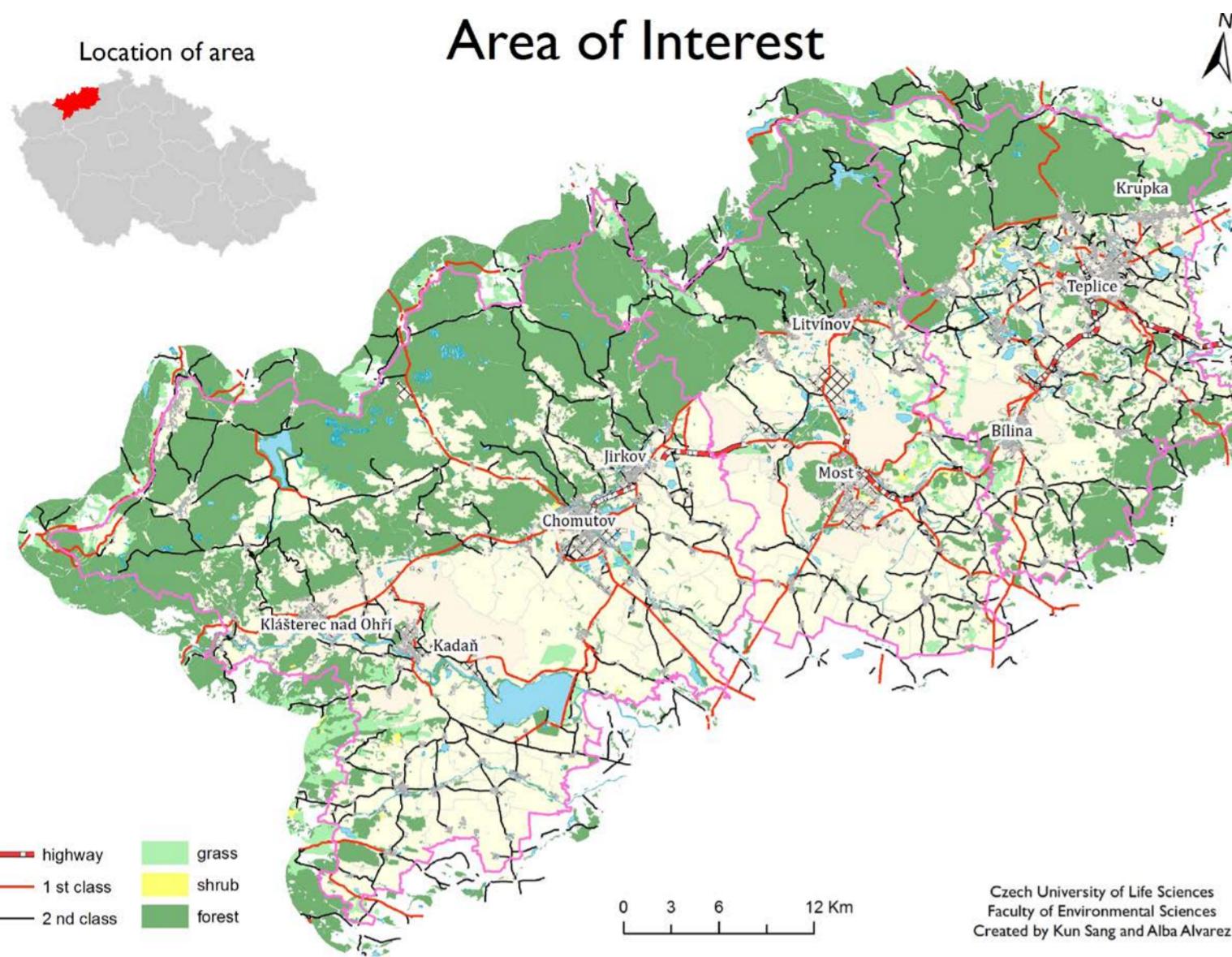


children game

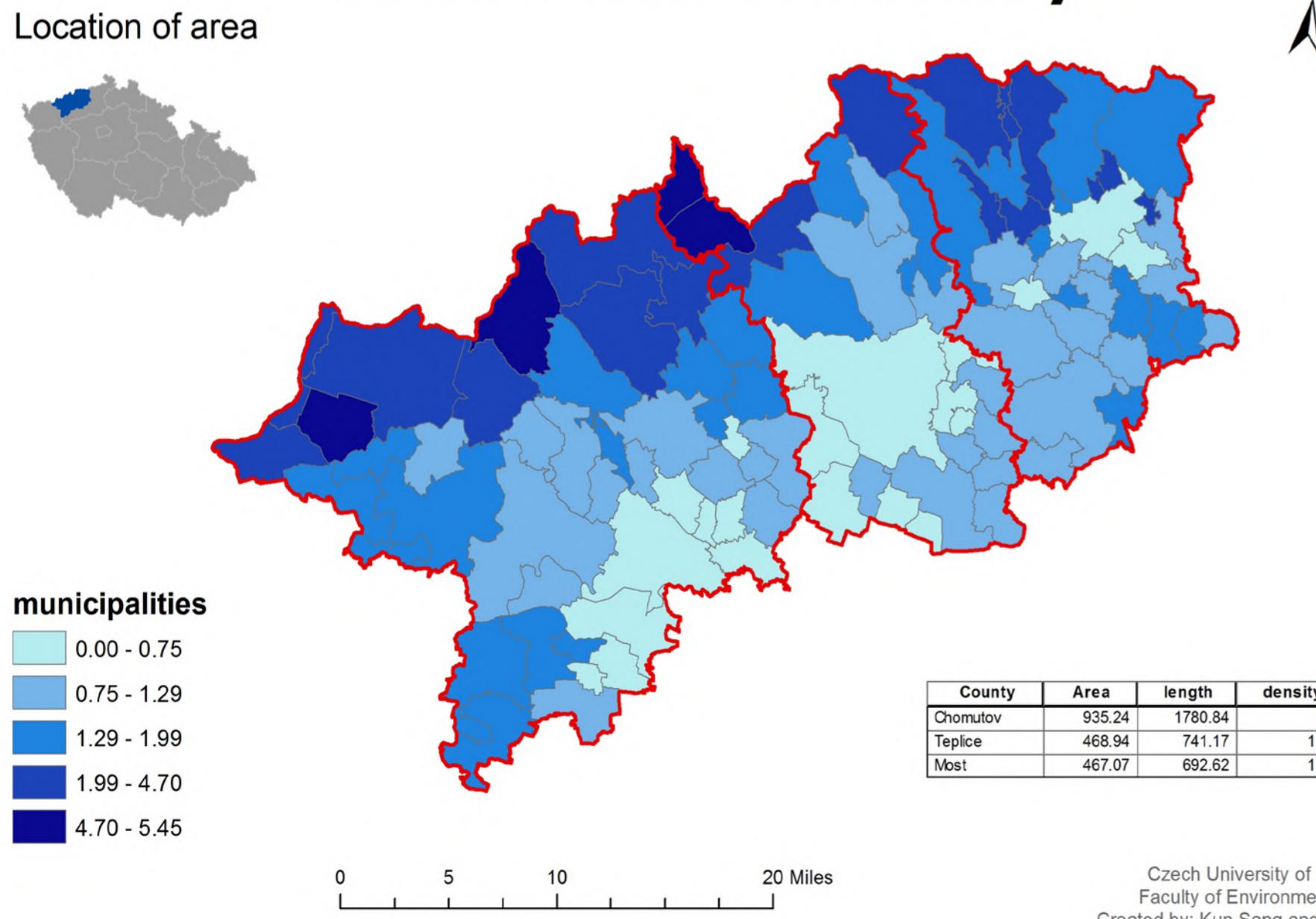




**Proposals of Mountain
tourism trails**



Stream network density



Introduction of the study area

Teplice, Most and Chomutov are three big counties in the north-west part of Czech Republic, situated between the Central Bohemian Uplands and the Ore Mountains (Chomutovsko-Teplice basin). And Most lies at the heart of the northern Bohemian lignite-mining region and serves as an important industrial railway junction.

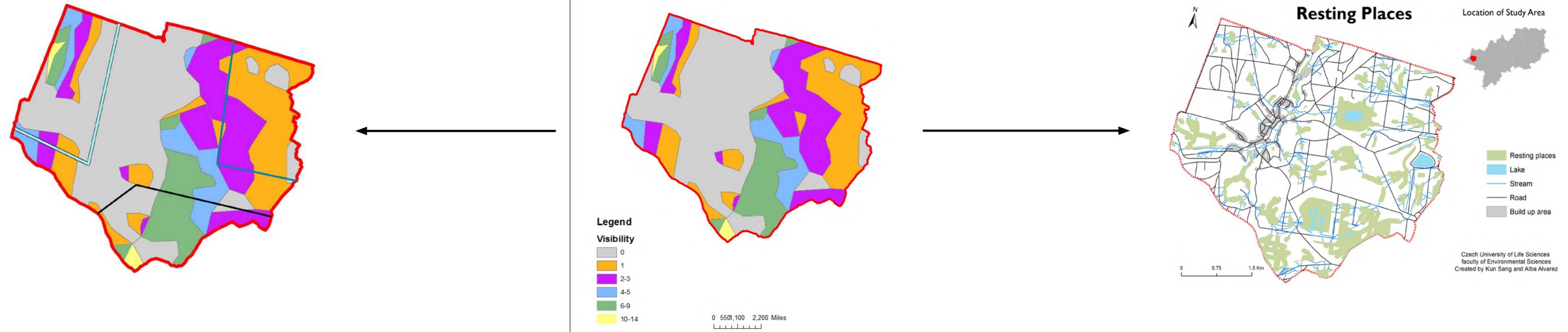
Ore Mountains are famous mountain ranges between Germany and Czech Republic, oriented in a southwest-northeast direction and are about 150 km long and, on average, about 40 km wide, geologically considered to be one of the most heavily researched in the world. This area played an important role with intense mining activities in the history, until the late 11th the mountains were covered in dense forests, were almost completely transformed into a cultural landscape. As the sign of forest dieback showing in 18th century, people began to protect the forest resources. Nowadays, there are some natural parks built here for protecting the landscapes. In the 19th century, the tourism bloomed, become an important economic factor in the region.

Purpose of the project

We have been asked to propose new tourist trails in the area of Ore Mountains and at their Foothills. For leisure activities on the mountain, the trails are going to be equipped with relaxing and picnic places, which should be located near water, streams or ponds, but far from roads and built-up areas. For this reason each suggested trail should be evaluated in terms of visual attractiveness as well as the length of its parts passing through forests areas and far away from built-up areas (tourists' preference). Our task was to design a geodatabase collecting the data about this area and finally get some suggestions for the tourists.



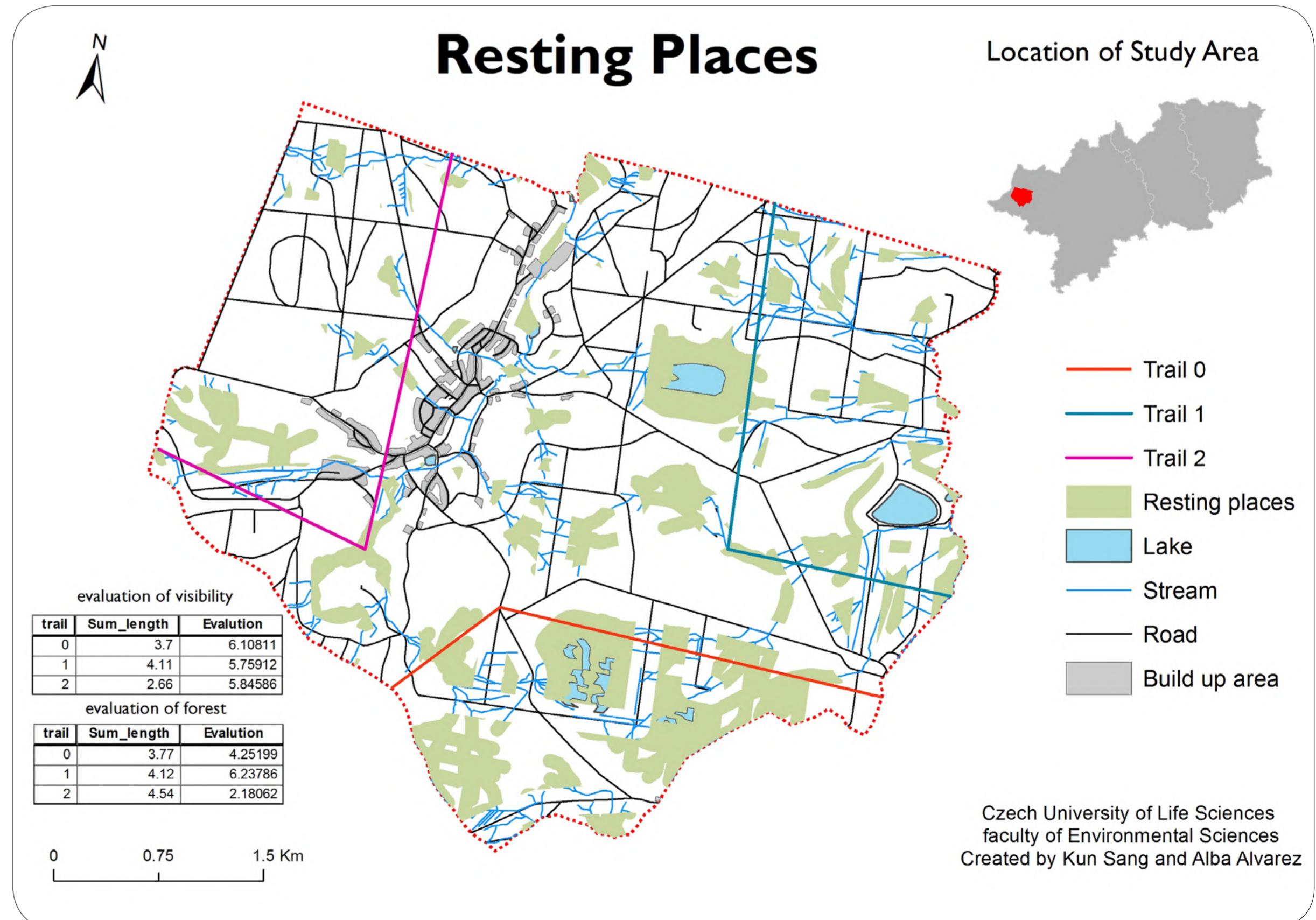
landscapes in the city and mountain



In order to find locations where the relaxing and picnic places could be developed, we set the following criteria: The locations must be near the water. This means that either the maximum distance from a water stream is 50 m or the maximum distance from a lake is 200 m. The distance from the nearest road is at least 100 m (noise influence). The locations are outside the built-up areas. (keep the trail as a natural trip) Using the analysis tool of GIS, we choose the places which are suitable for the conditions.

At last, inside of this study area, we suggest three new touristic trails, with the minimum length of 3 km. Each trail passes through at least two resting places and cannot cross the water reservoir. Then we evaluate and compare the suggested trails in terms of amount and quality of views, total length in the forested areas, and total length in the built-up areas.

As is shown in the map, these three trails will pass different areas with peak's visibility and landscapes. The north part of trail 3 is surrounded the build-up area, with the view from countryside, forests and the visibility of peak is from 1-4 in the south. Trail 1 is with the visibility of peak from 1-3, and trail 0 is with better view of peaks from 1-9.





**Garden design
based on the needs
of users**



location of Follonica



location of Ex-ilva



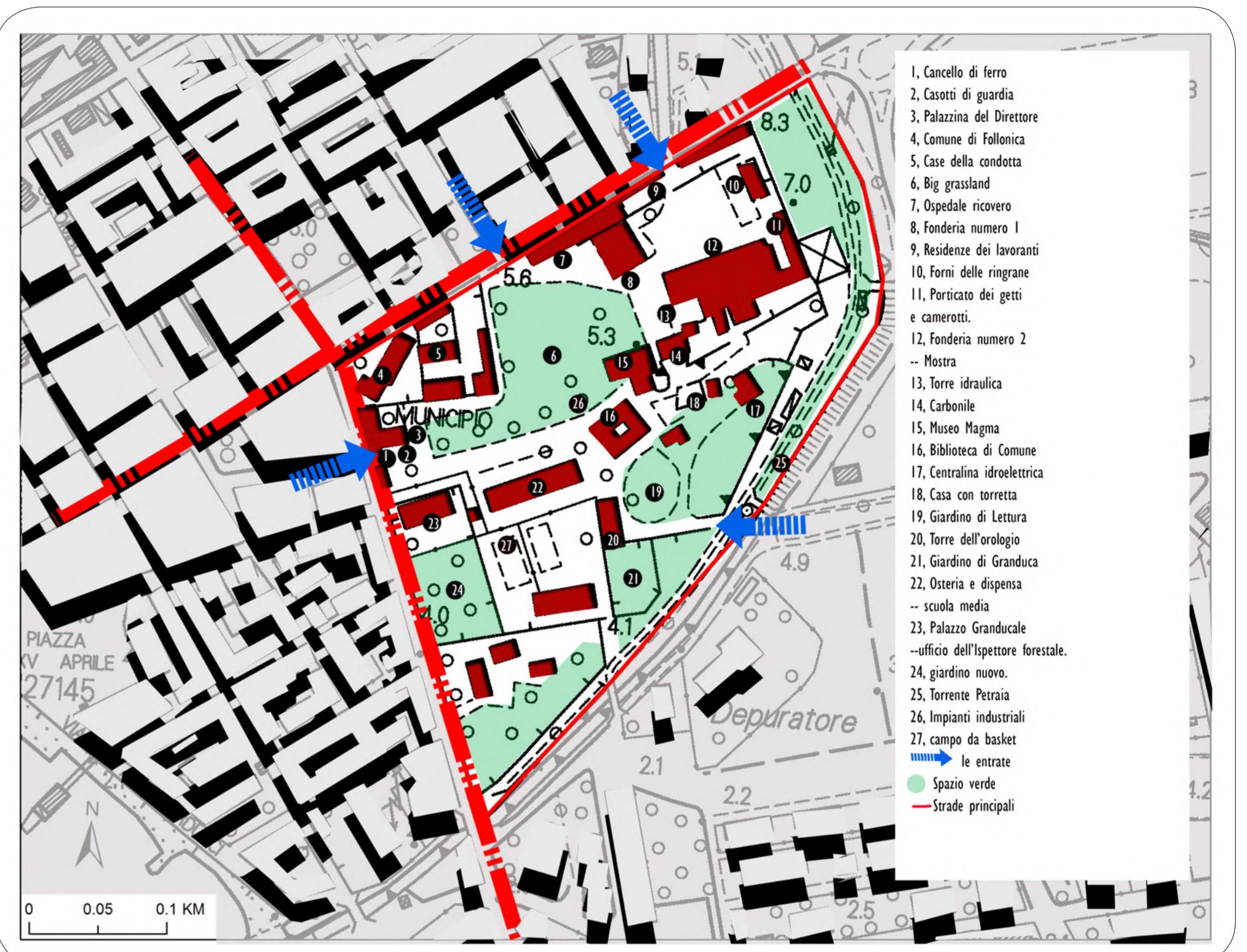
landuse around the park



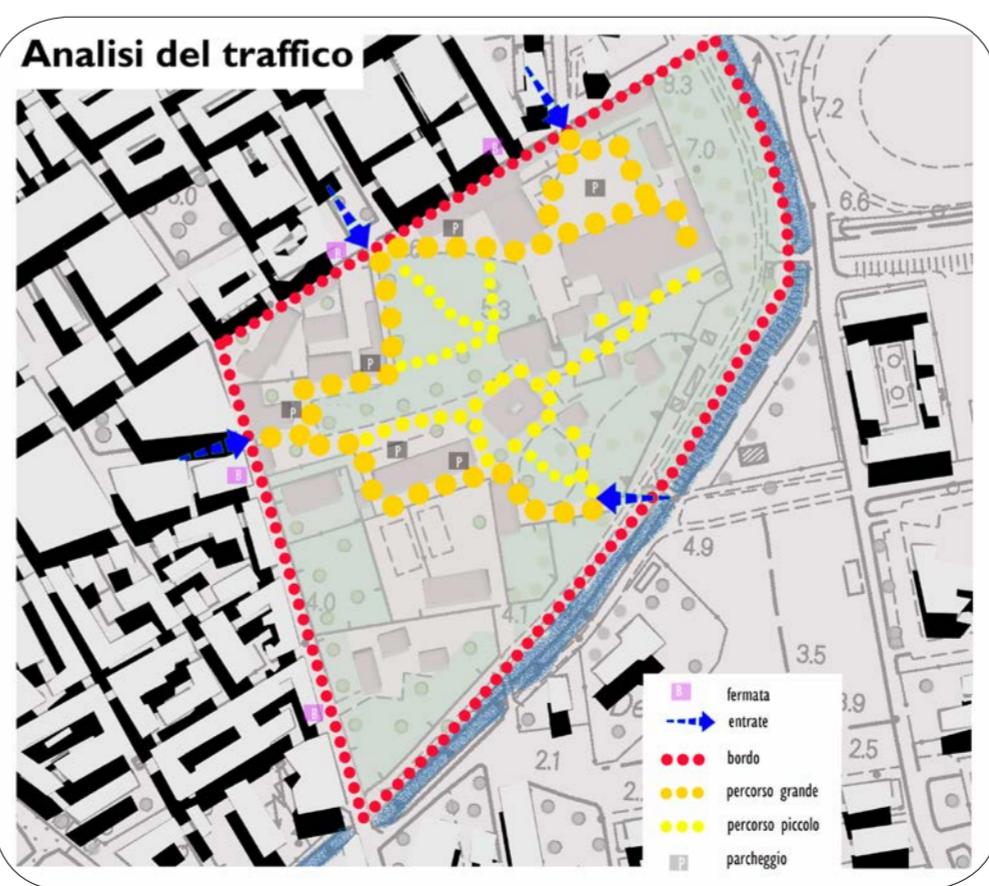
views in the park



Site Analysis



site of interests in the park



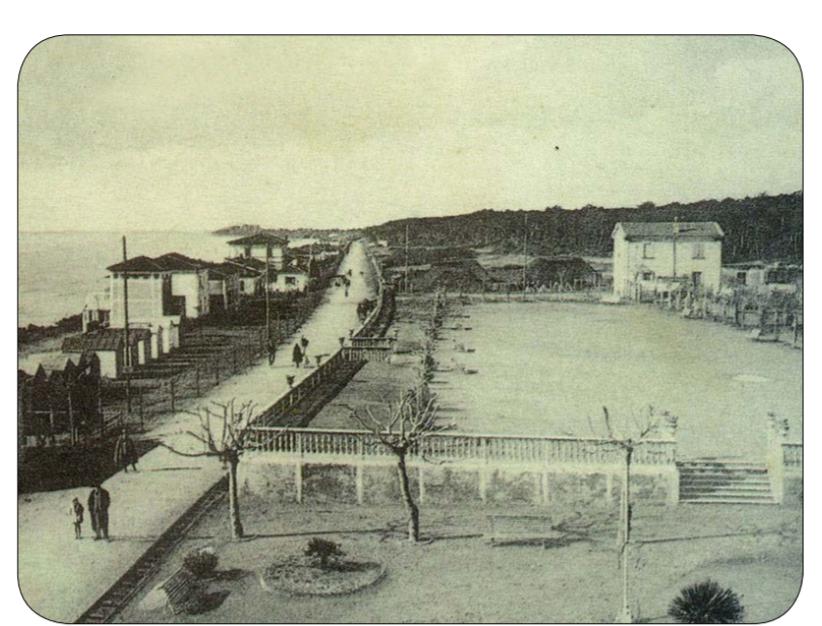
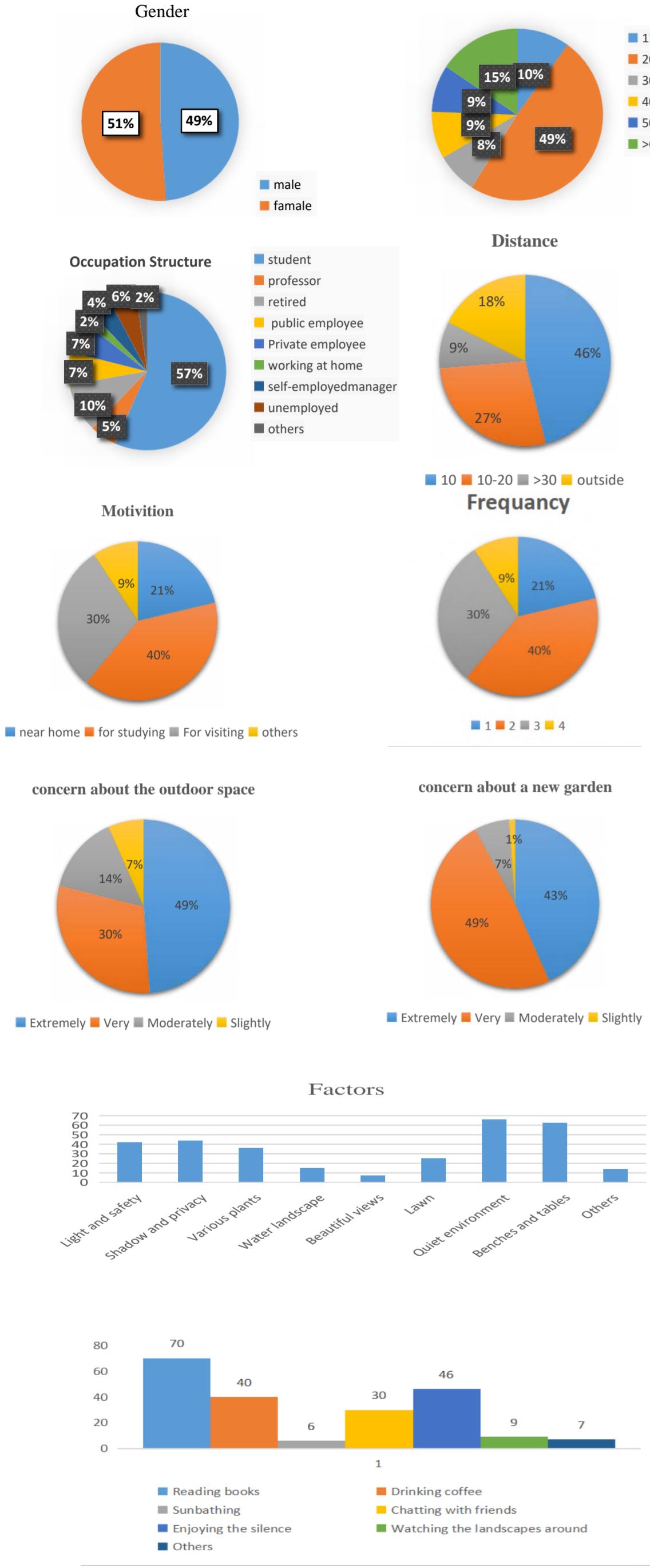
traffic condition



occupation of old buildings



User Analysis



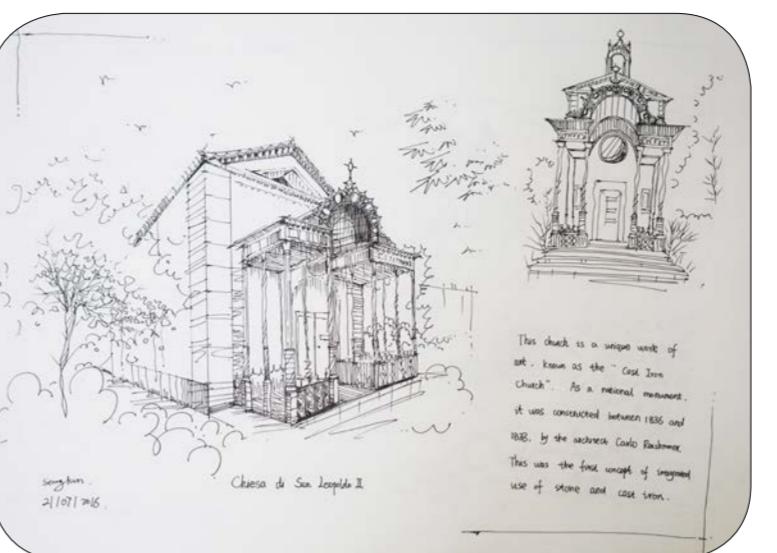
Massa Marittima-Follonica Port
1800s



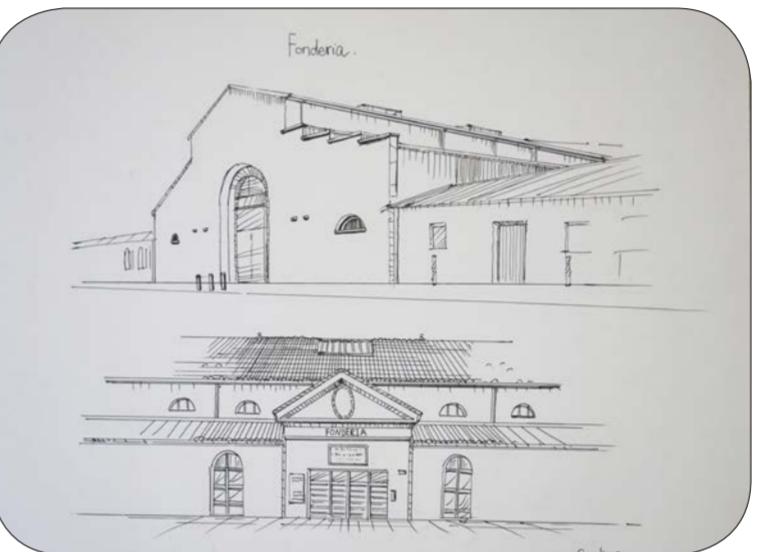
monumental gates
1845



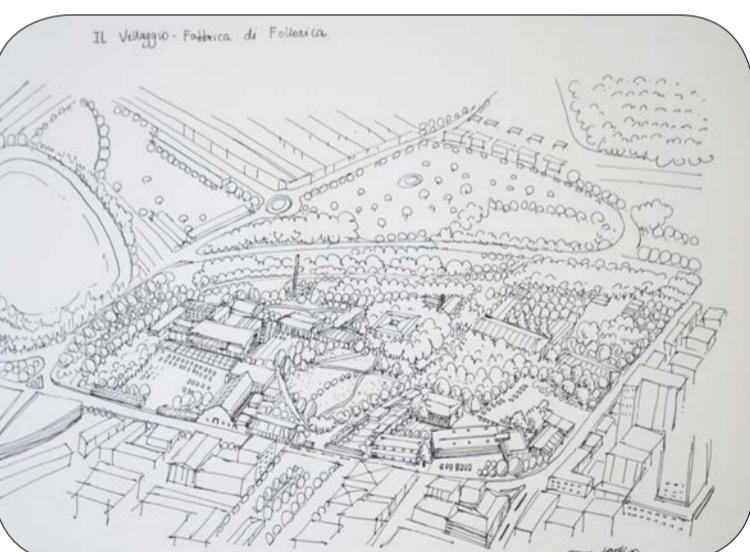
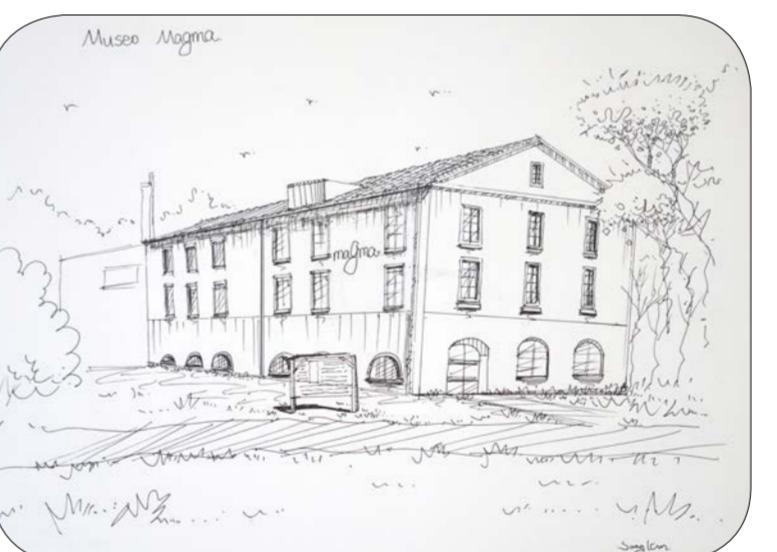
Torre d'orologio



sketches of the site



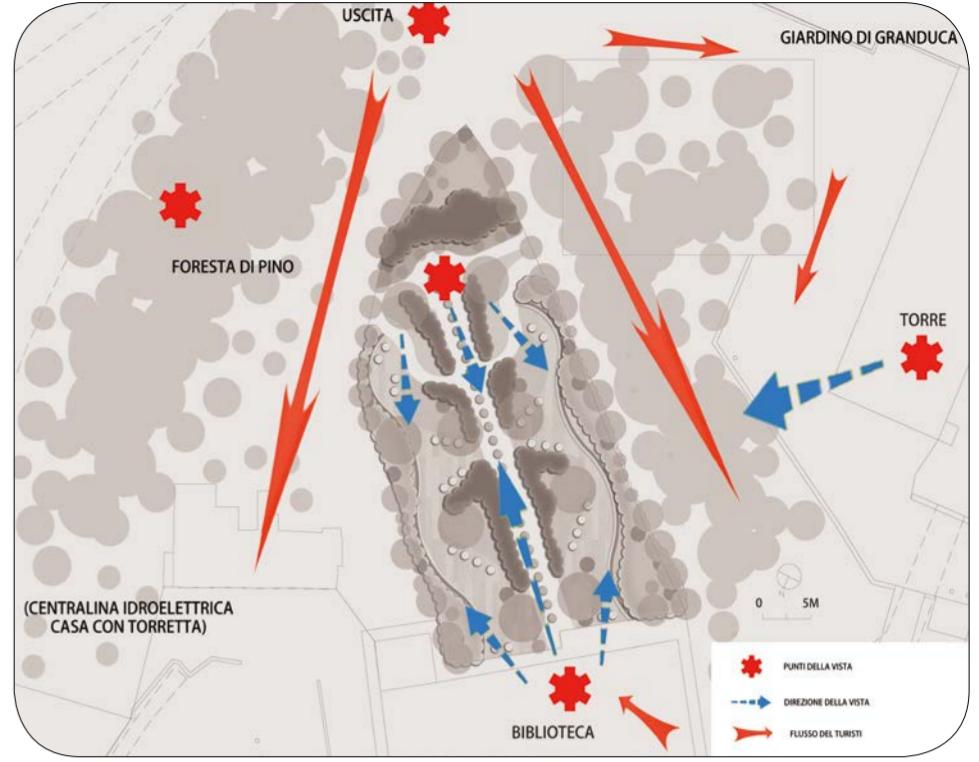
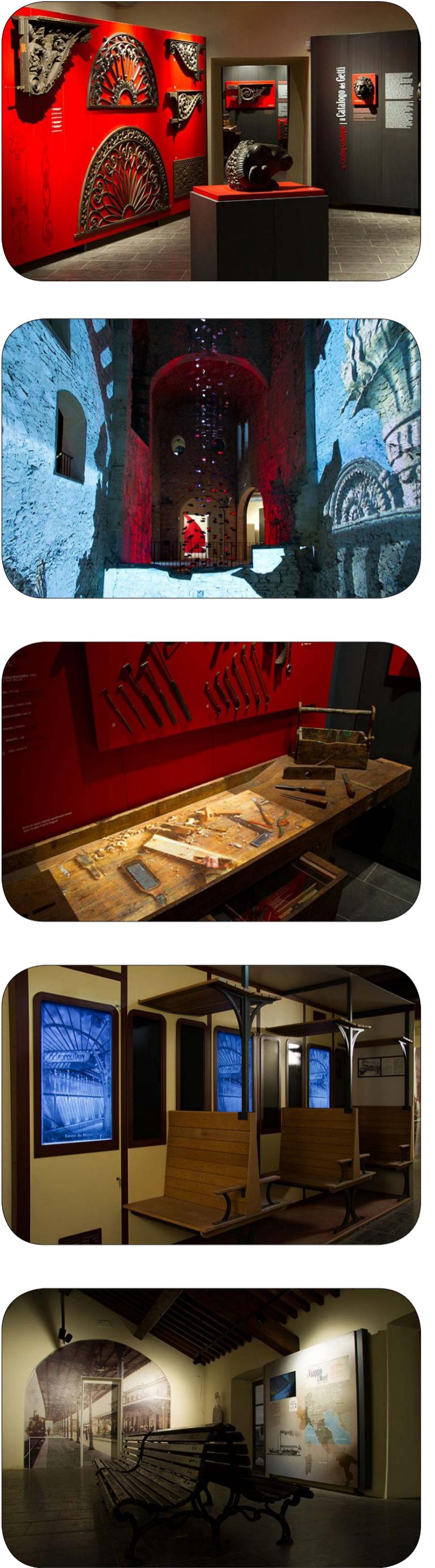
sketches of the site



Granduca Leopoldo II
Owner of the park
City builder



Industry heritage



A place for resting and studying

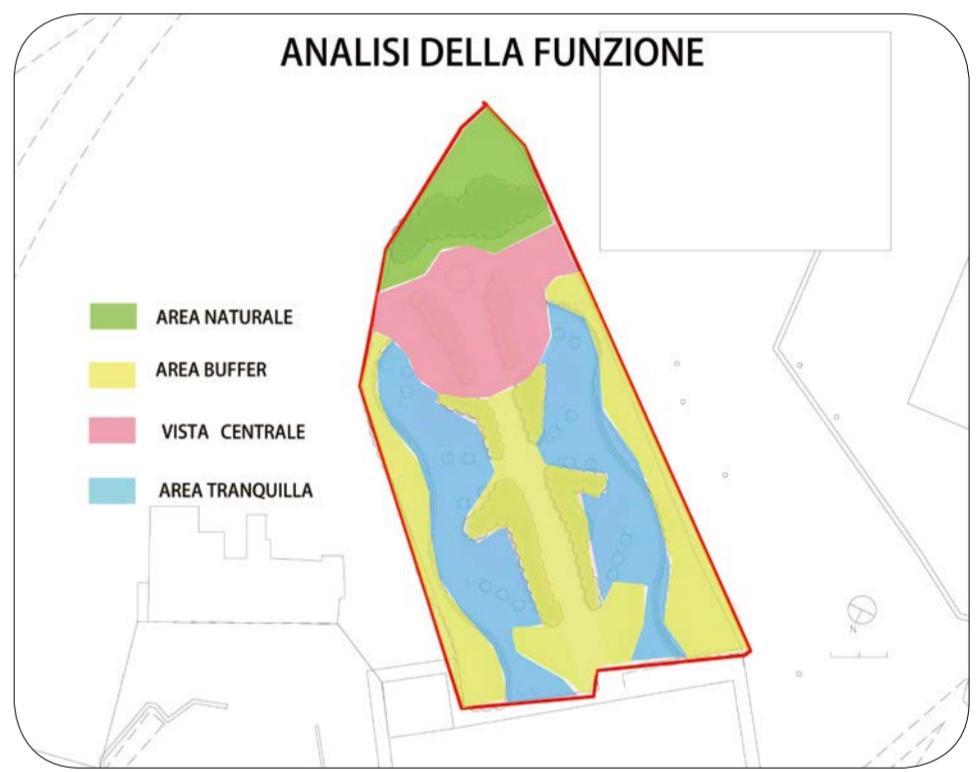
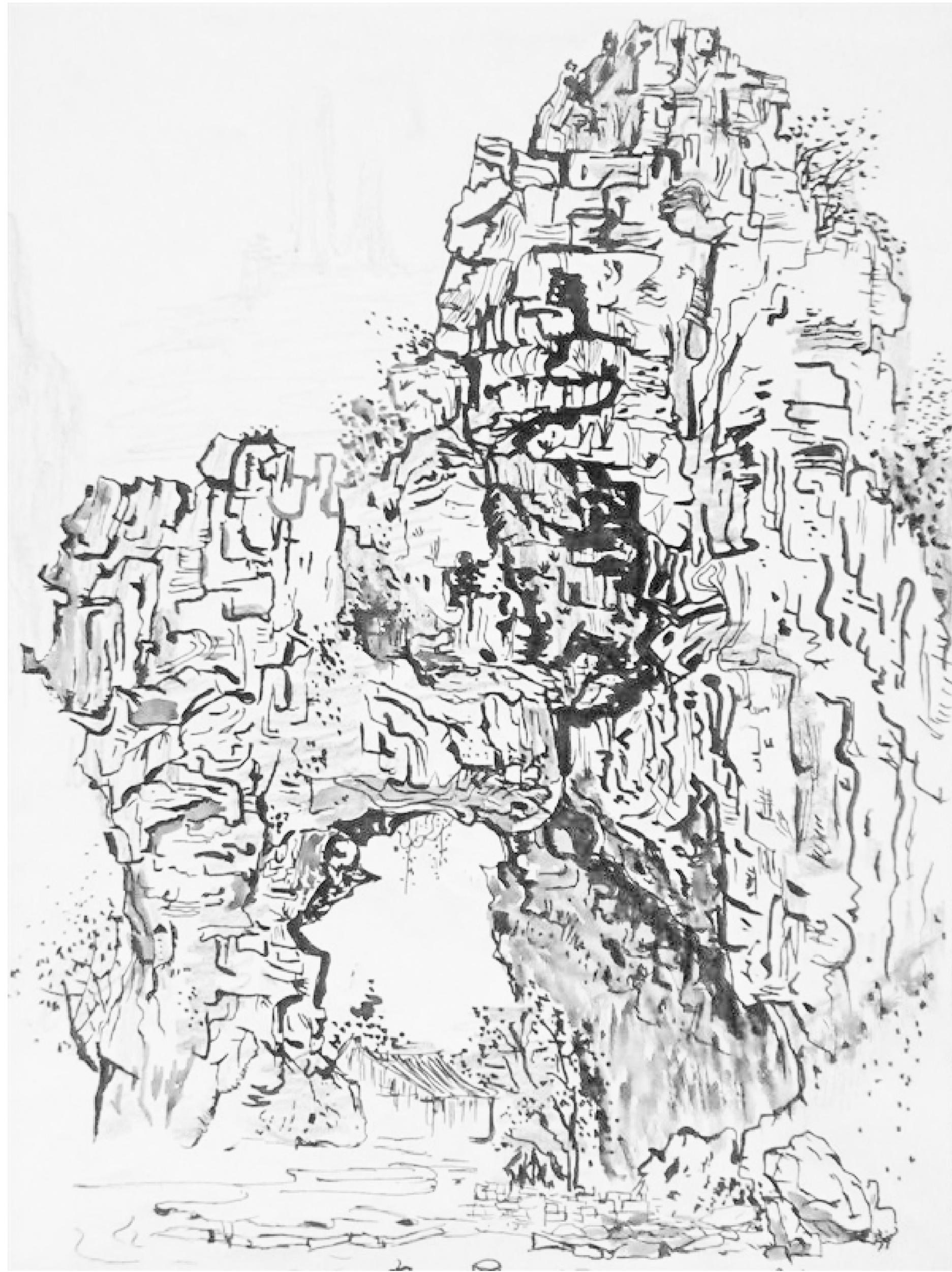


image intentions





Dawei Mountain, Hunan, China

**Other sketch, painting
and activities**



preparing the soil



making the road



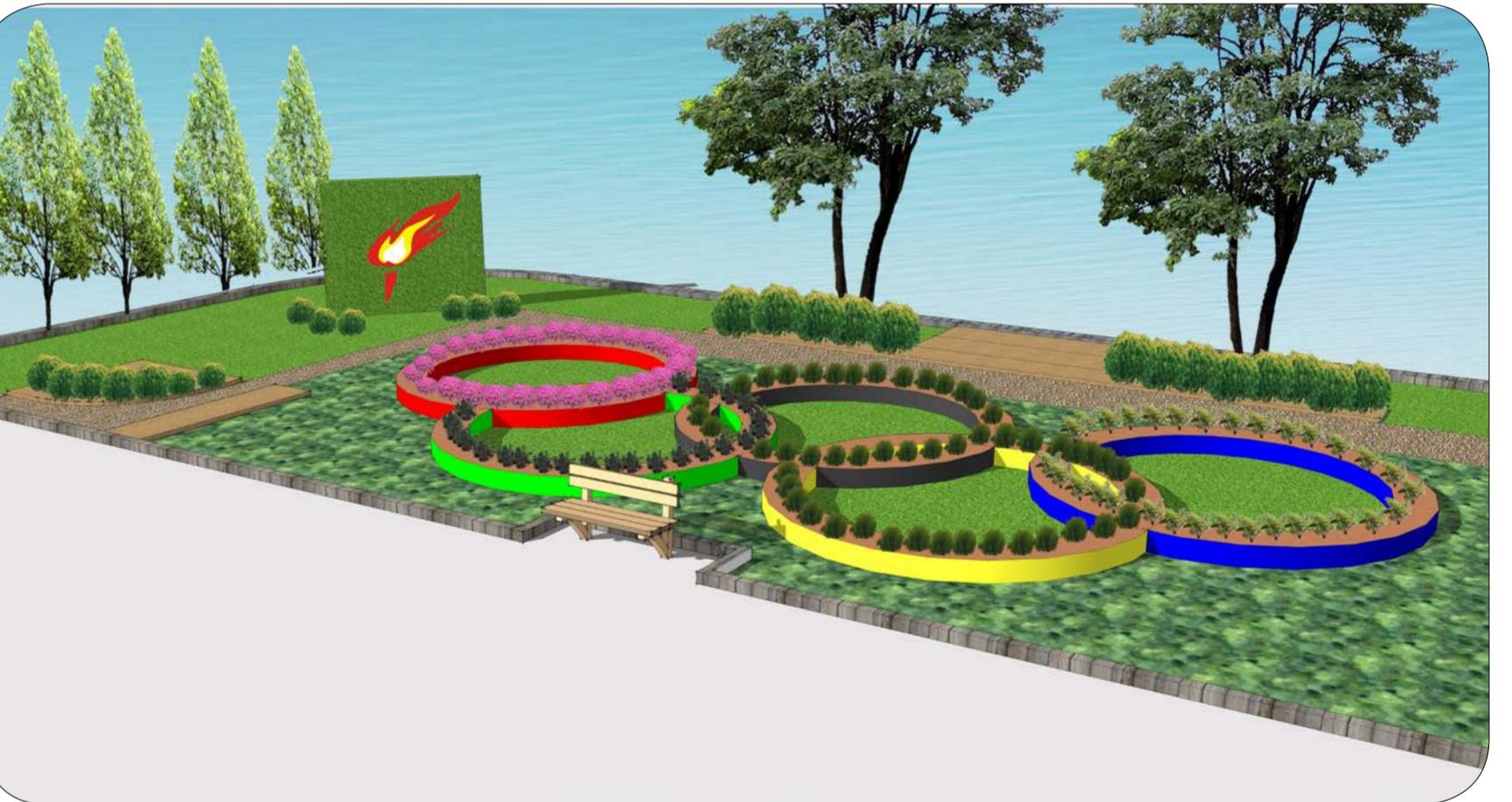
modelling the flower bed



making green wall



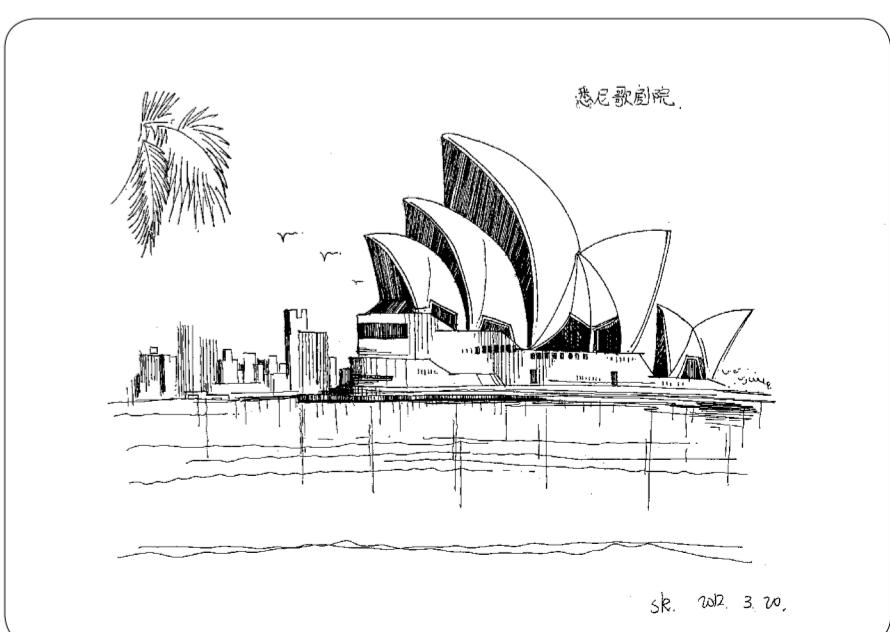
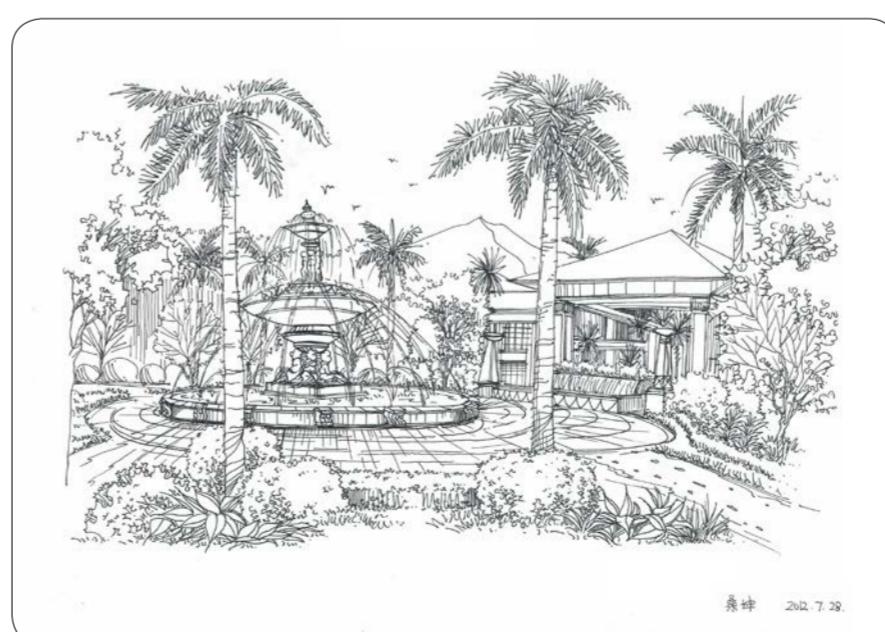
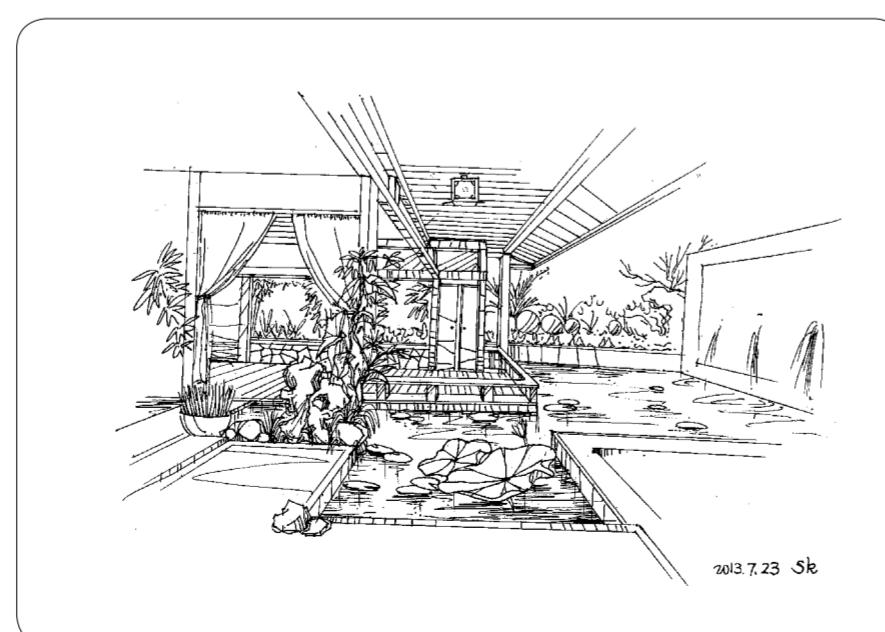
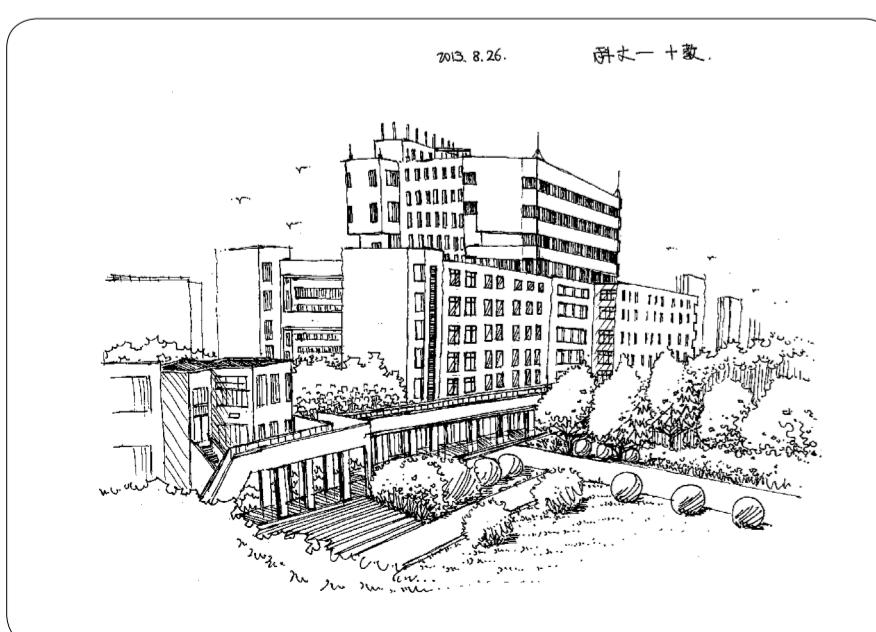
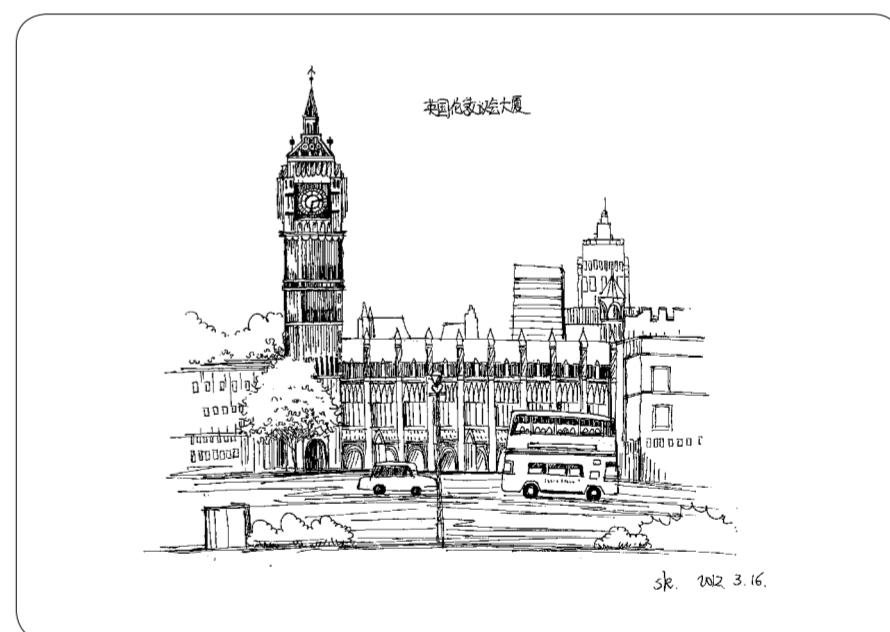
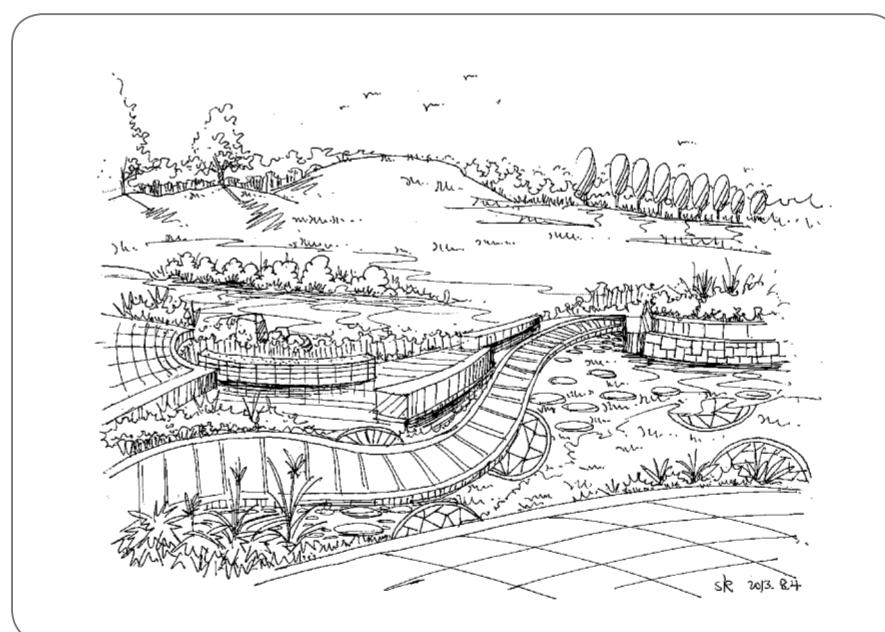
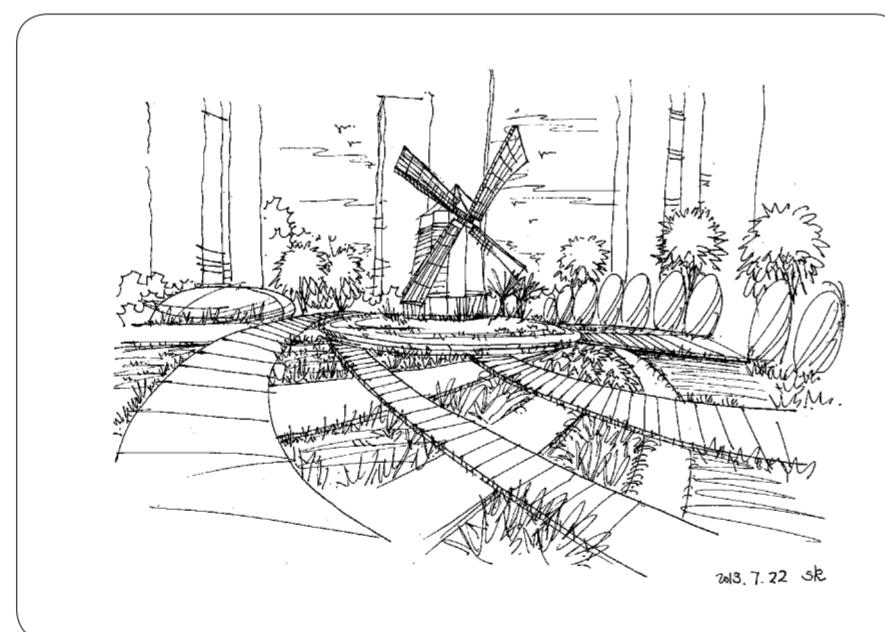
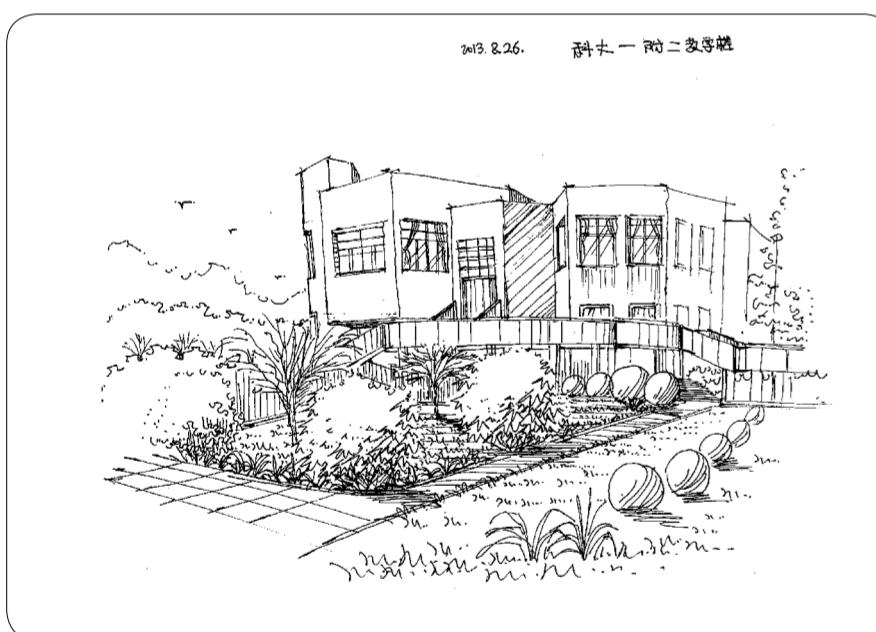
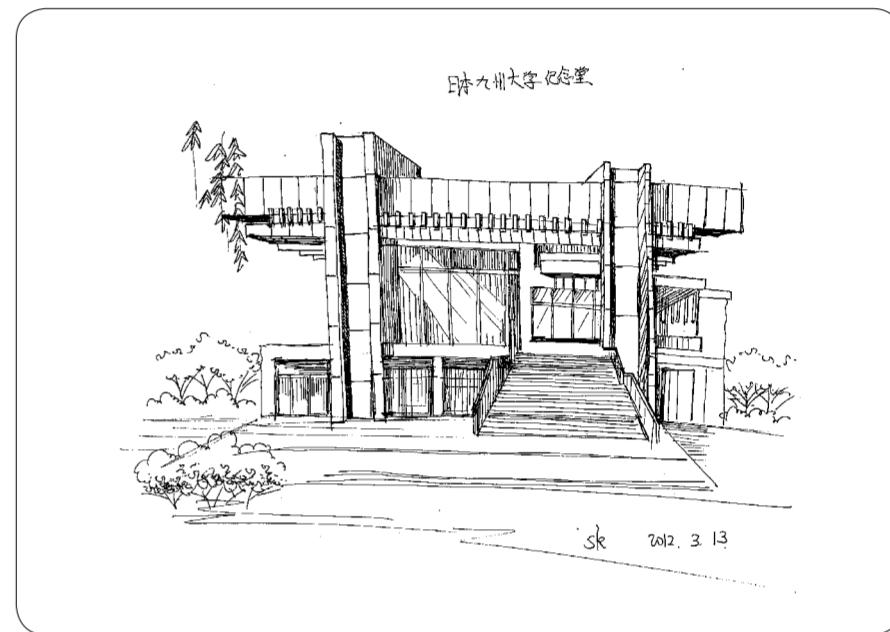
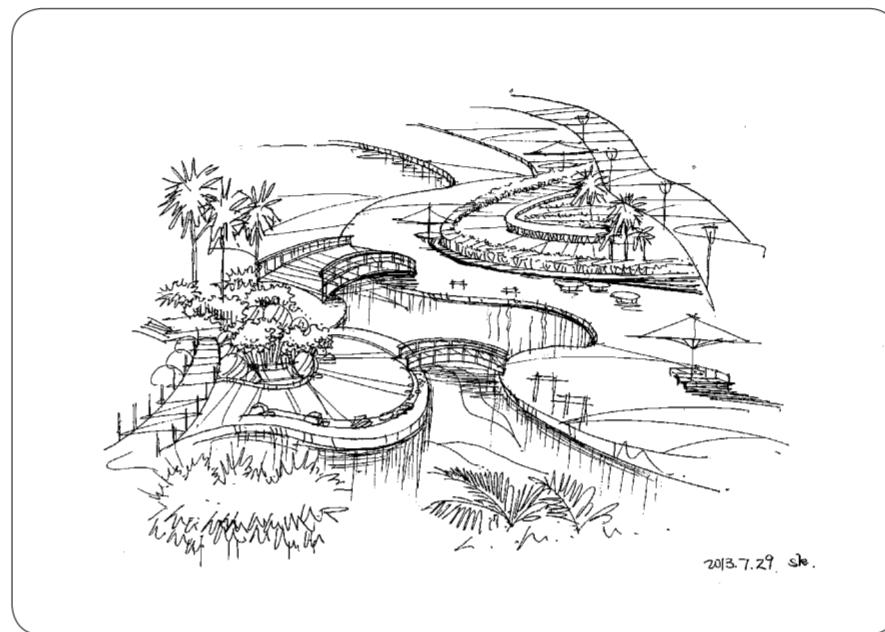
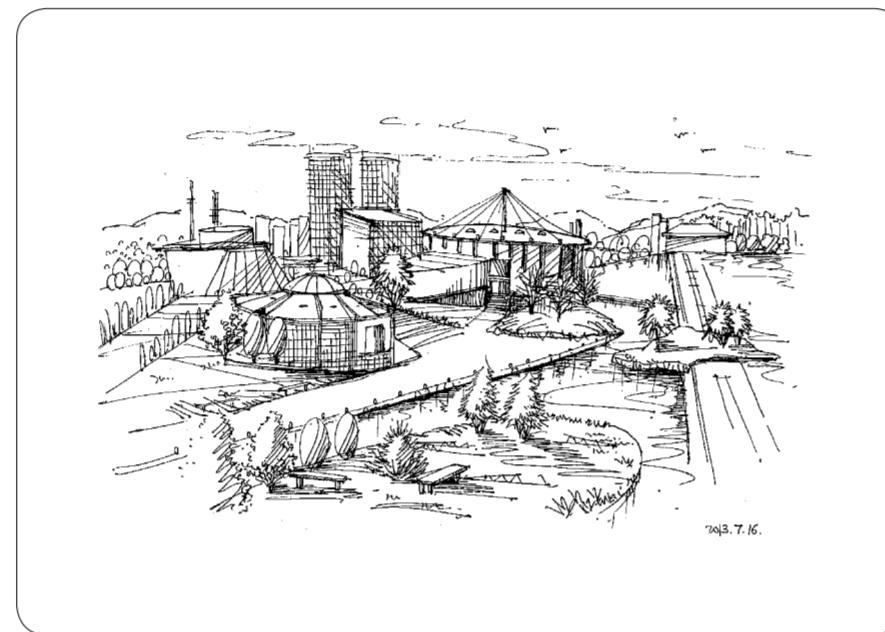
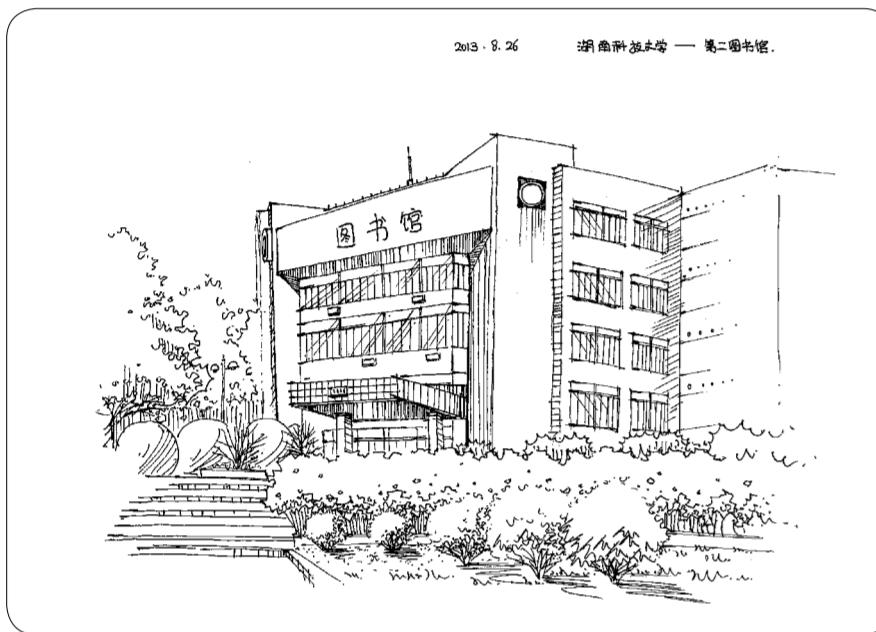
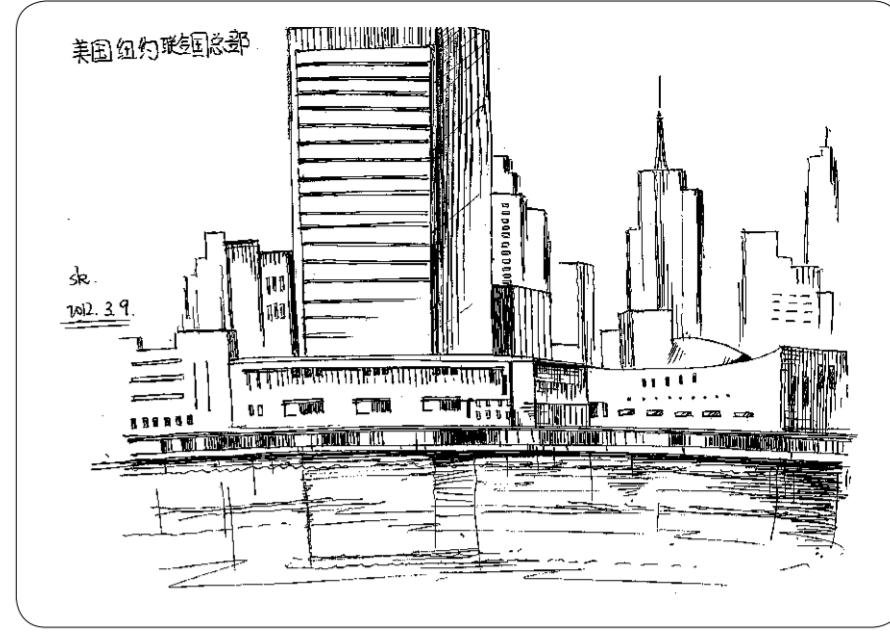
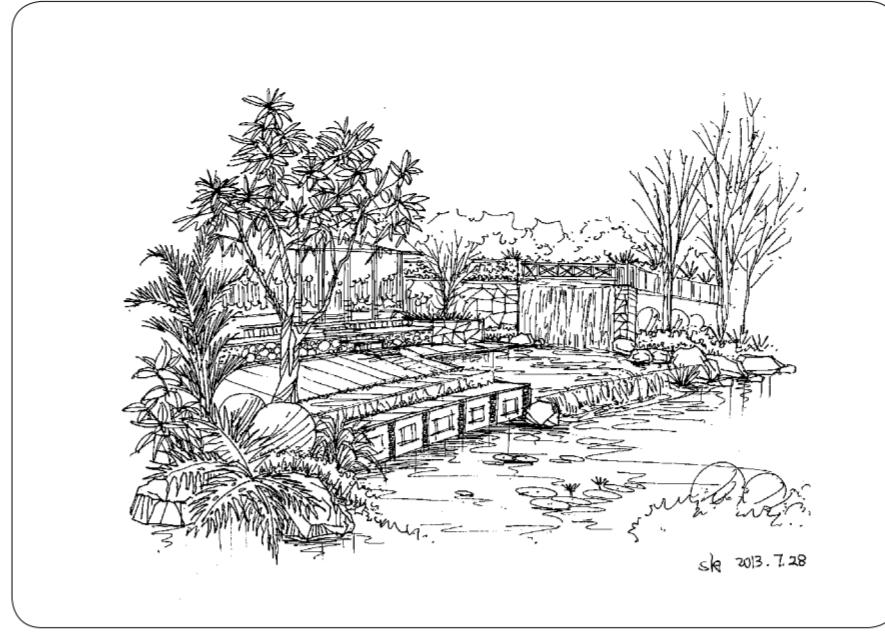
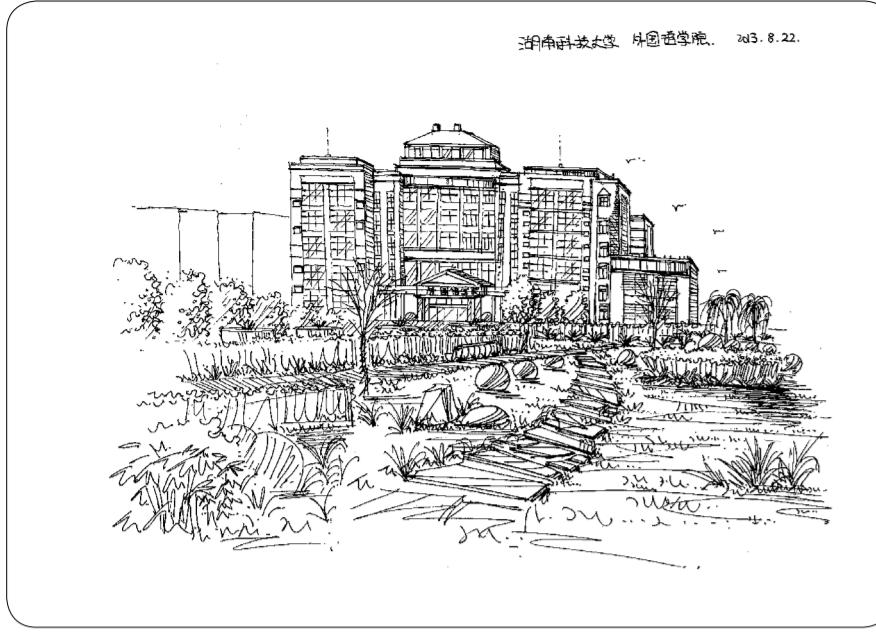
3D Model of the Olimpic Garden

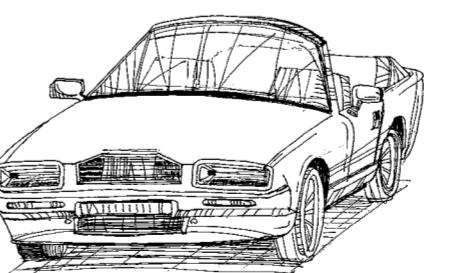
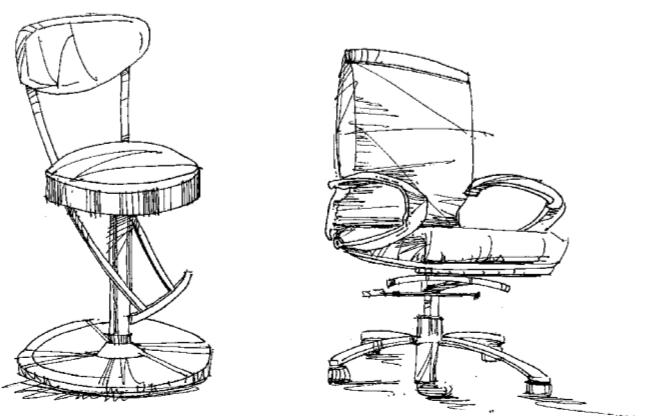
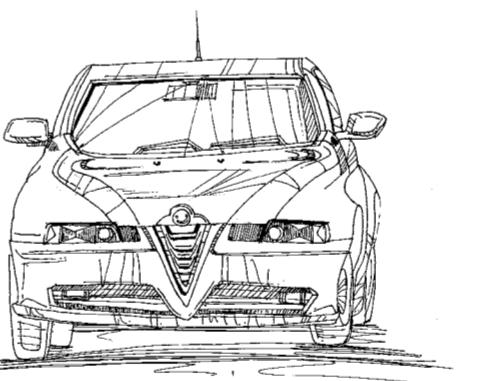
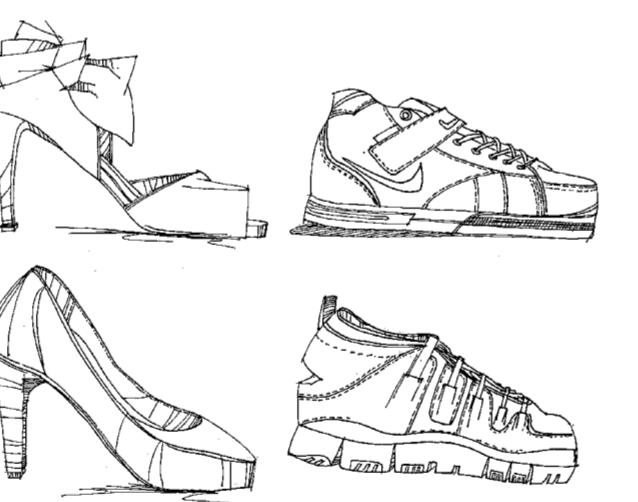
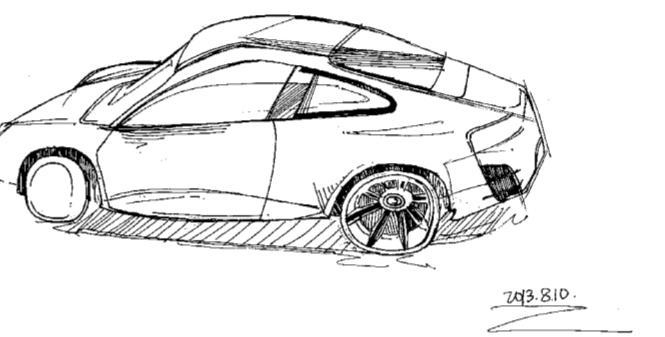
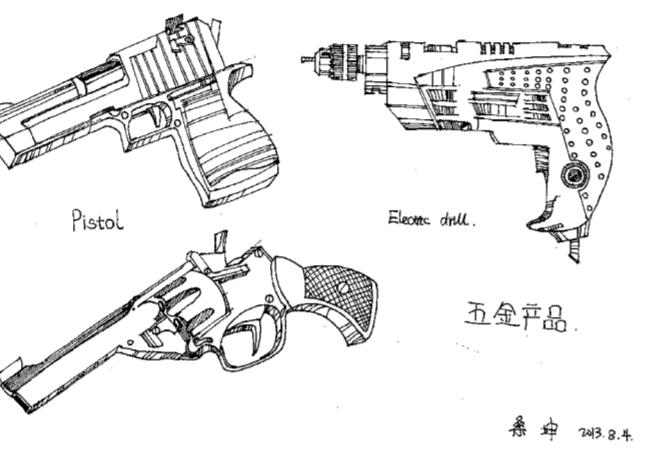
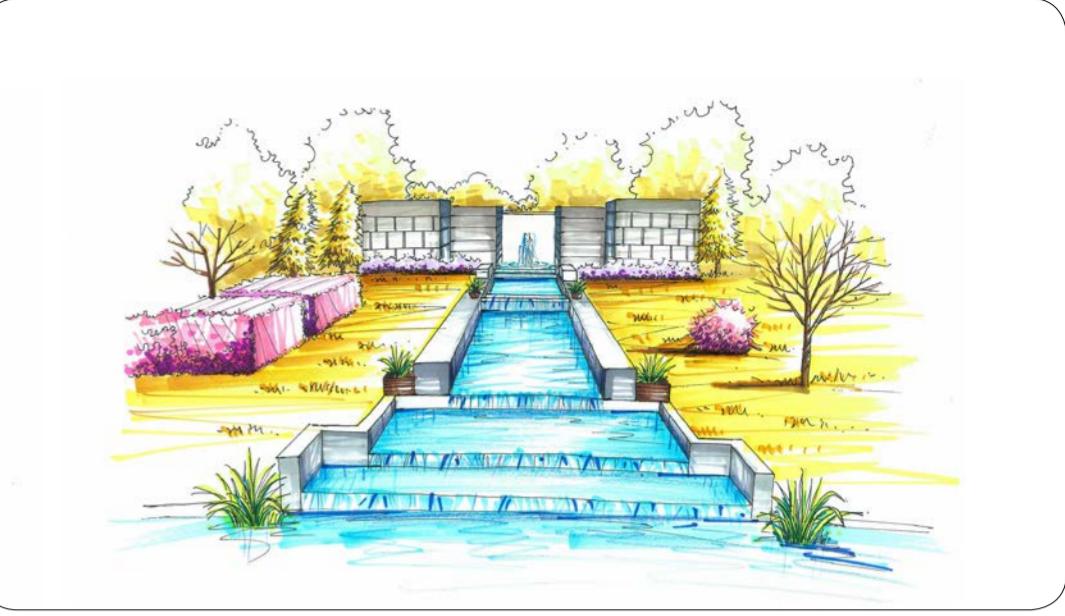
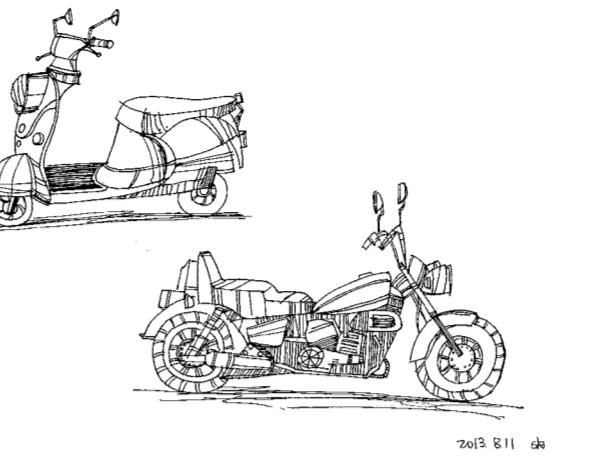
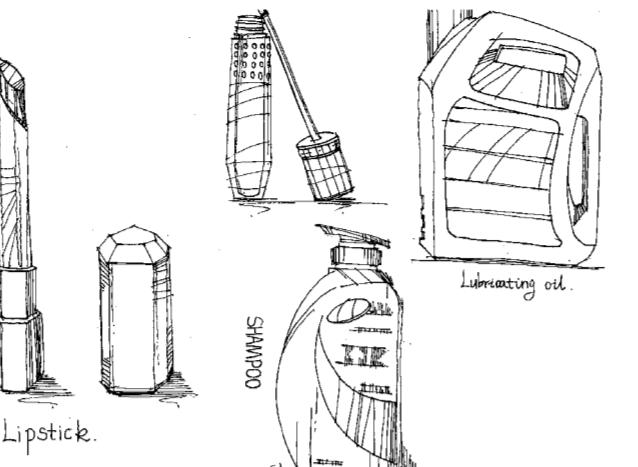


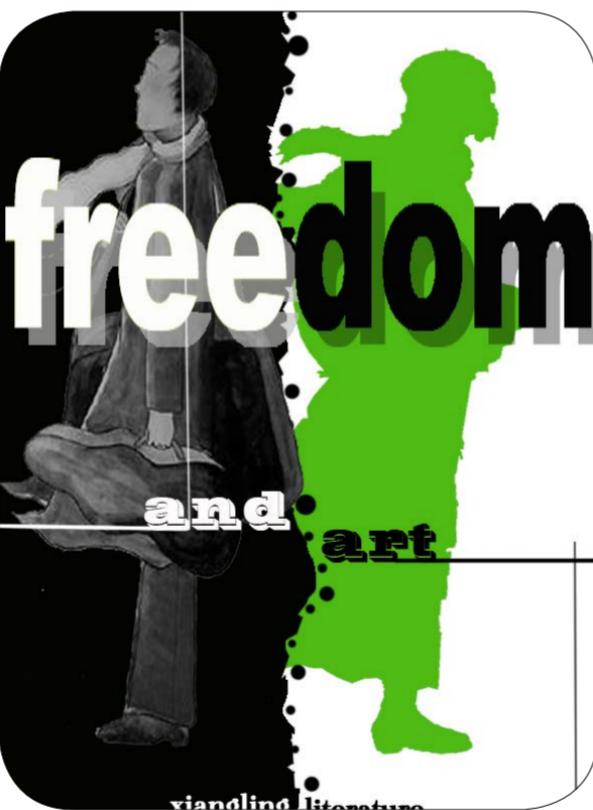
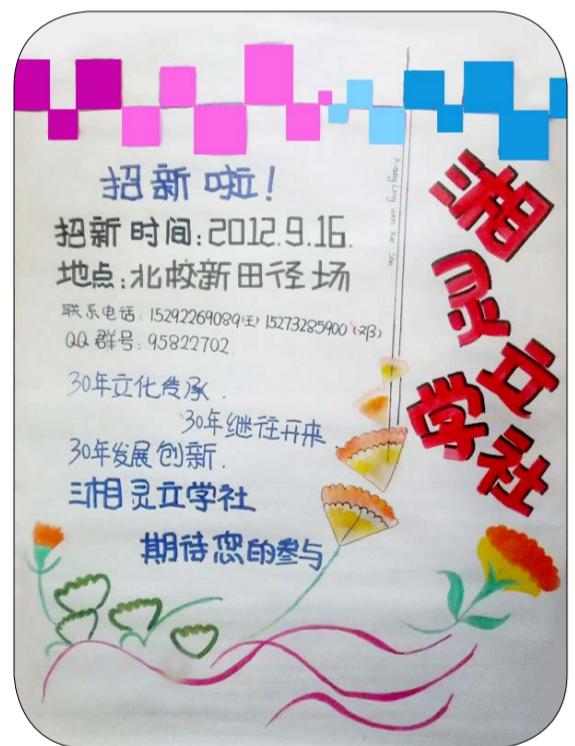
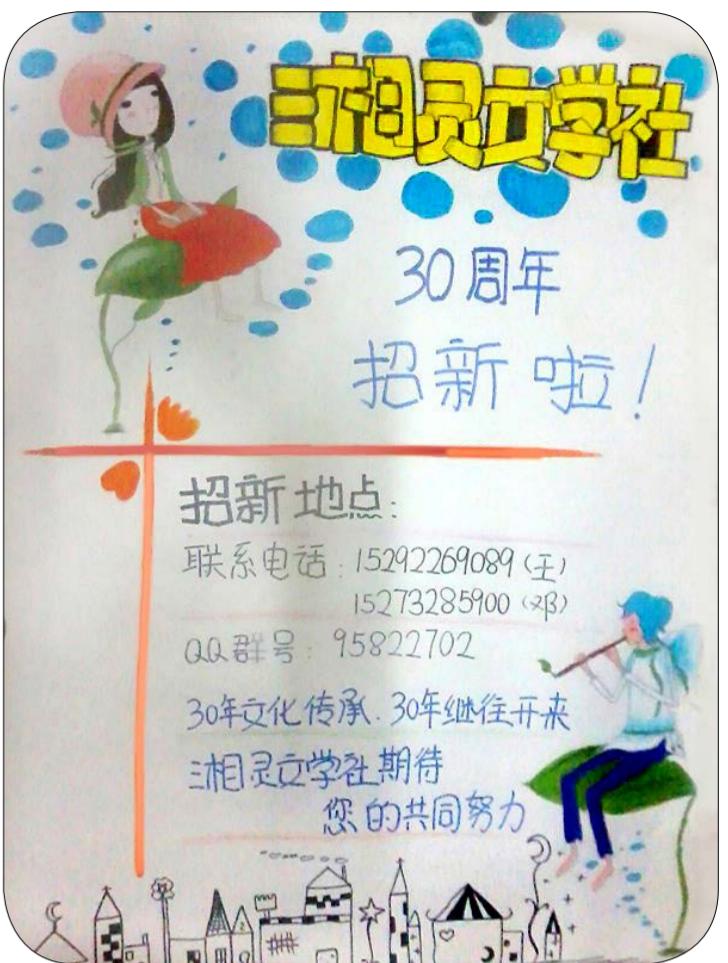
3D Model of the Olimpic Garden



the built olimpic garden







Poster Design
XiangLin Literature

