

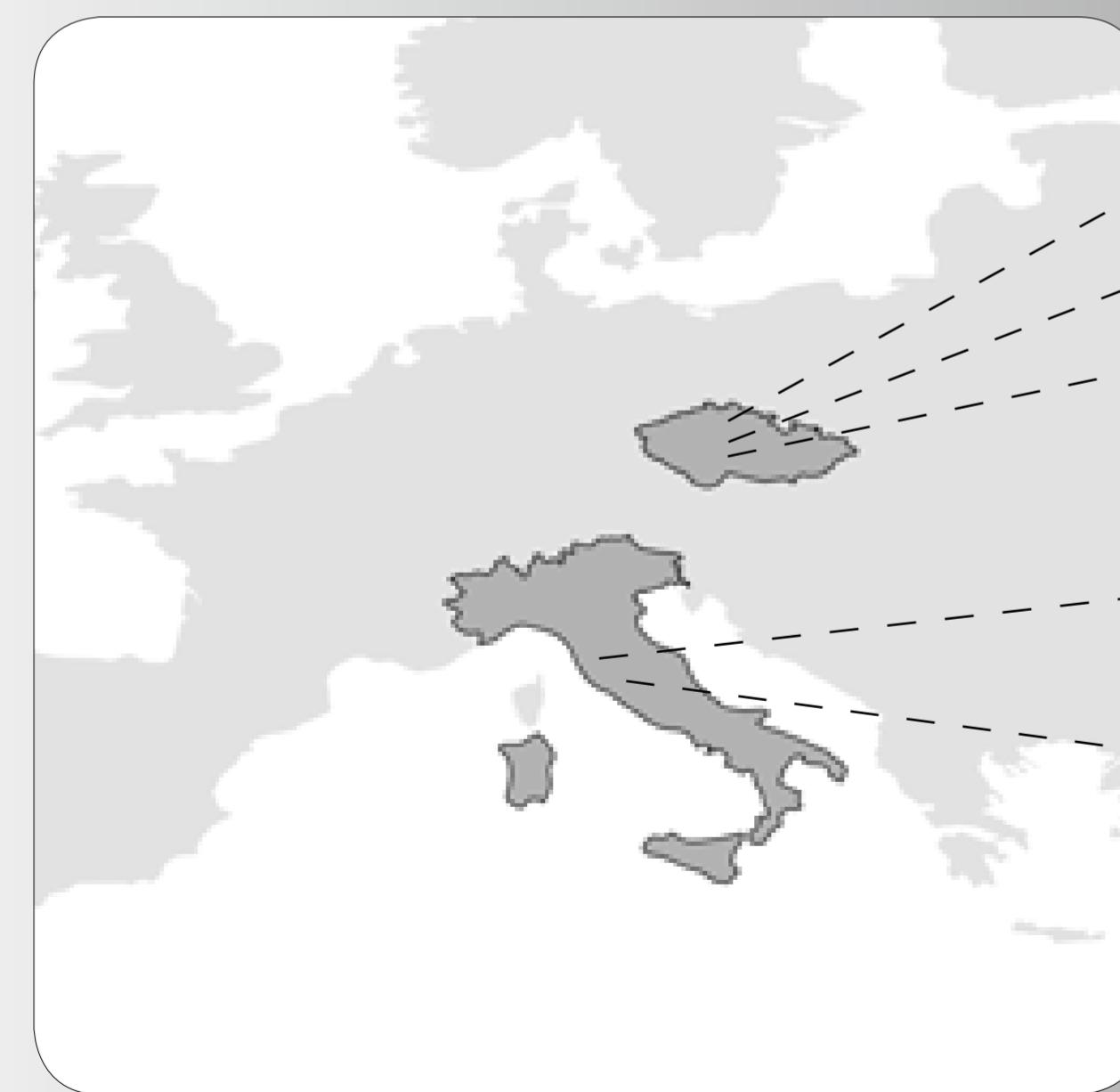
CV & PORTFOLIO

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



KUN SANG

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+39 3341 829 676
sskk1548@gmail.com

Design is not only the way for designer
to express himself but also to help more
people know better this world

RESEARCH INTERESTS

Outdoor recreational activities and landscape design
Cultural heritage and natural heritage

EDUCATION

2014 Sep -- Present	GPA: 3.85/4.0
M.A. (landscape architecture), University of Pisa	
2015 Sep -- 2016 Feb.	GPA: 3.80/4.0
Erasmus (landscape planning), Czech University of Life Sciences	
2009 Sep -- 2013 June	GPA: 3.57/4.0
B.A. (landscape gardening), Hunan University of Science and Technology	

HONORS AND GRANTS

DSU scholarship at University of Pisa	2015-2017
First Prize of Excellence Award at HUST	2012
National English Contest for College Students 3rd Prize	2011
3rd Prize for Sketch Drawing Contest in Xiangtan City	2011
Excellent Student Award at HUST	2010

EXPERIENCE

- 2011 Volunteer as a gardener at Xiangtan Yu lake Park (China)
2012 Leader of Advertising Department in Student Union at HUST (China)
2013 Internship as assistant-designer in Yunan Green Land Company (China)
2016 Internship at institute of land and environment in Pisa (Italy)
2016 Volunteer as a gardener for constructing a garden in Cervia (Italy)

1

ACADEMIC ACTIVITY

Summer School of UNIPI Department of Engineering 2016 July
Michelangelo and the Historical Versilia Land Intervention
International Conference at Tsinghua University 2016 Sep.
Tsinghua - IIT - UPC joint Workshop on brownfield regeneration

SKILLS

Computer: Apple & Microsoft
Autodesk CAD, SketchUp
Adobe Suite: Illustrator
Photoshop, InDesign
MS Office: Word, Excel

HOBBIES

drawing, reading,
jogging, singing,
harmonica, travelling

LANGUAGE

Chinese: native
Fluent English (CEFR B2): well reading, writing, listening
Fluent Italian (CEFR B2): well reading, writing, listening

PROJECTS

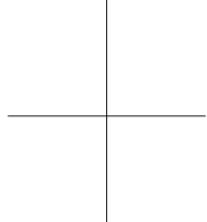
Chenzhou Qilidong Cultural Park Design in Hunan (China)
Conceptual Design of Stromovac Park in Prague (Czech Republic)
Future Proposal Plan of Olbramovice and Votice (Czech Republic)
Garden Design Based on the Needs of User in Follonica (Italy)
Environmental evaluation of Ex-Ilva Park in Follonica (Italy)
Regeneration of brownfield land of Shougang industry area (China)
Tree species research and VTA analysis of Giardino Scotto in Pisa (Italy)

RESEARCH ADVISOR

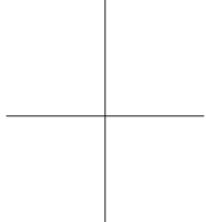
Ing. Salvatore Brunello Consorti
Position: Chief designer of studiobruco at Viareggio,
Researcher at University of Pisa, Construction engineering and Landscape planning
e-mail: brucon@libero.it
Tel: 050599261



heritage conservation

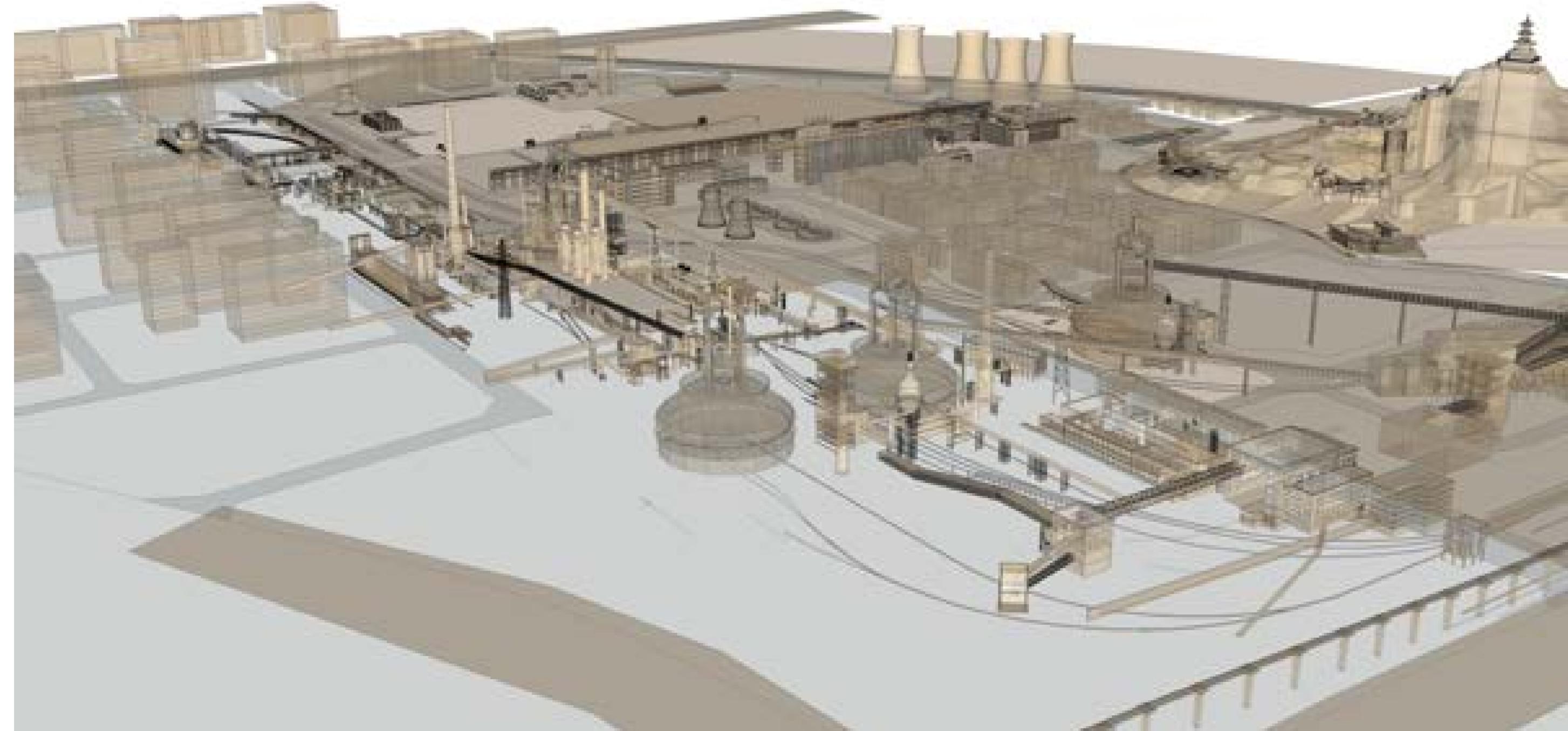


ecological restoration

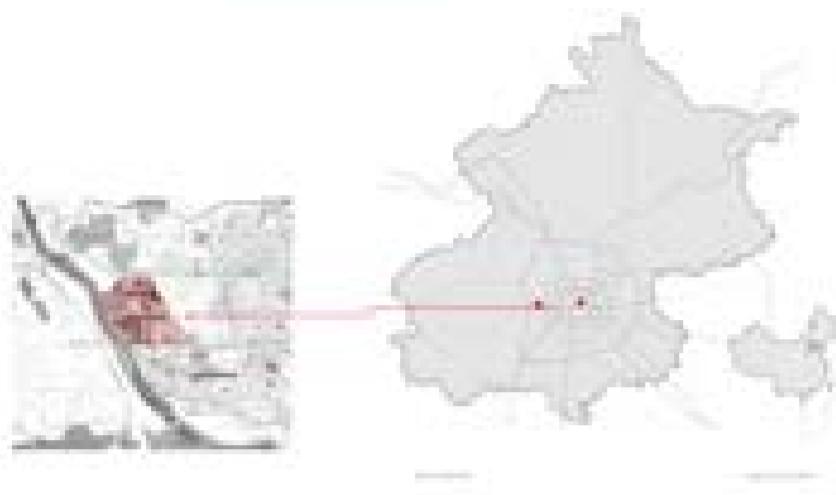


site memories

**Regeneration of brownfield
land of ShouGang
industry area**



LOCATION



CURRENT SITUATION



SITE TEXTURE



POLLUTION



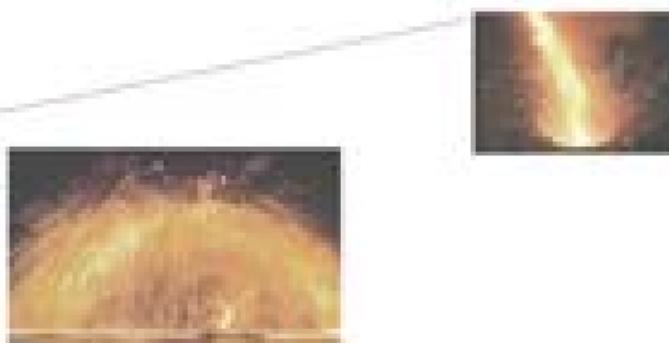
NATURAL WATER



ECO WATER



IRON MEMORY WATER



BUILDINGS



FUTURE USE



PLAN

1



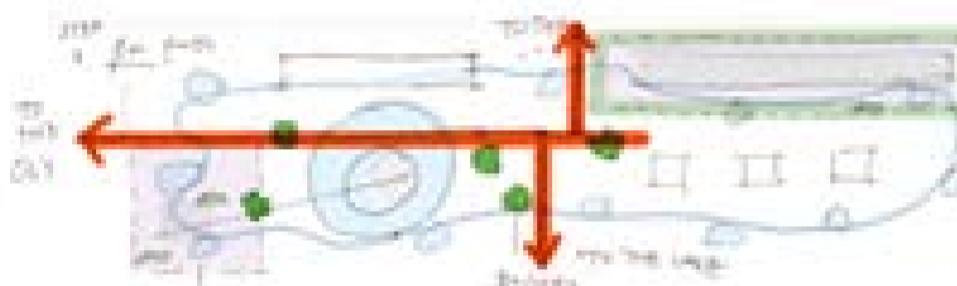
wash remained buildings
clean the site

2



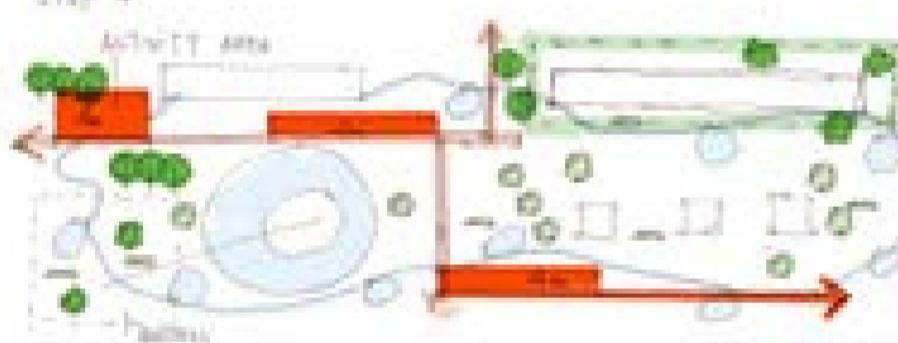
create inner water circulation
plants for absorb metal pollution

3



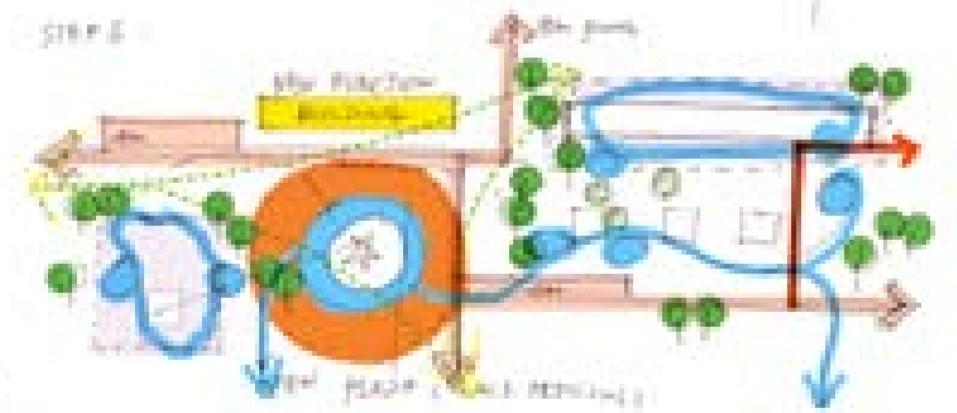
open the first road by
reusing the remaining pipes

4



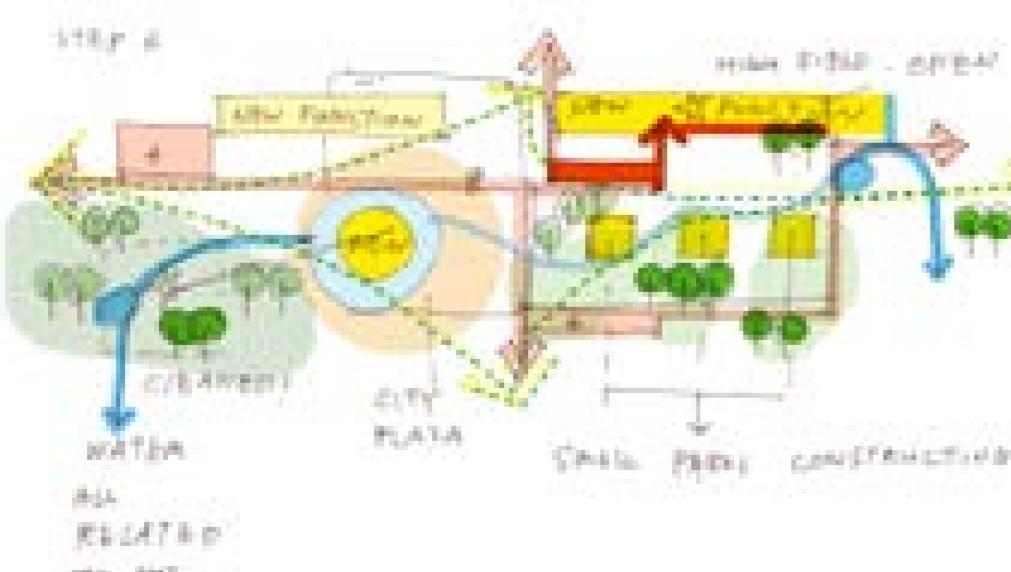
create more hanging activity areas

5



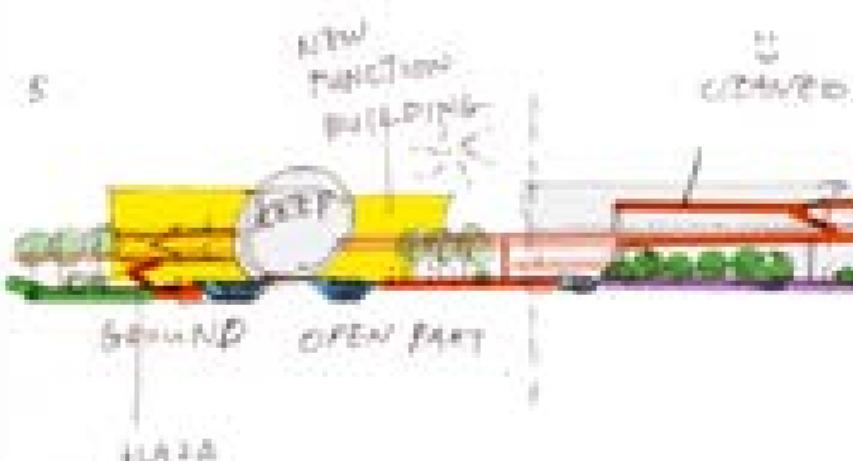
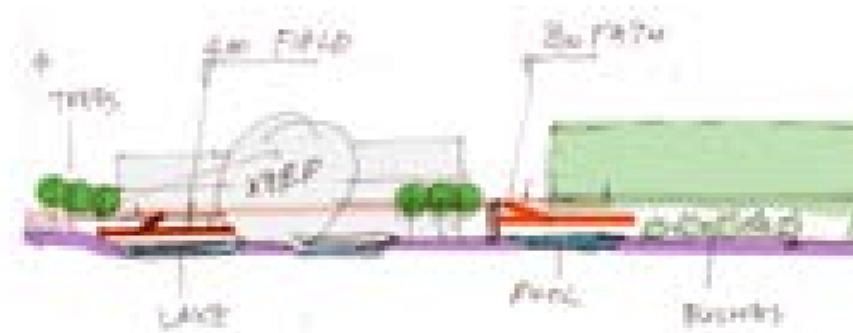
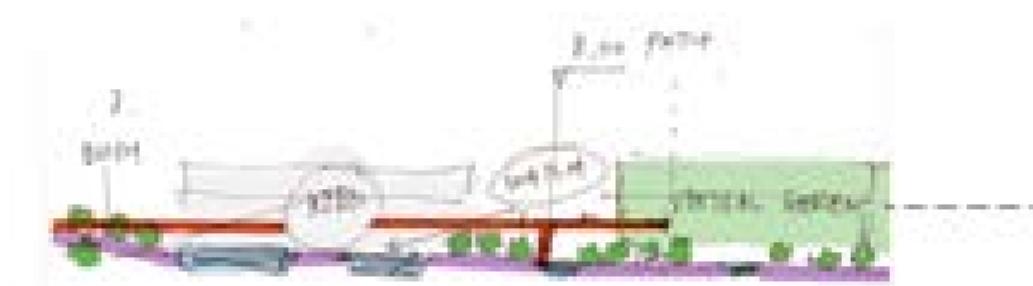
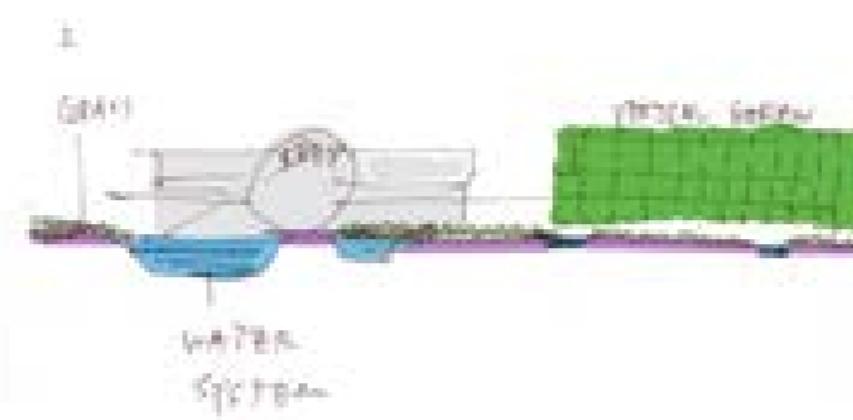
central plaza created in
the clean area
lead the inner circulation
with outer rivers

6



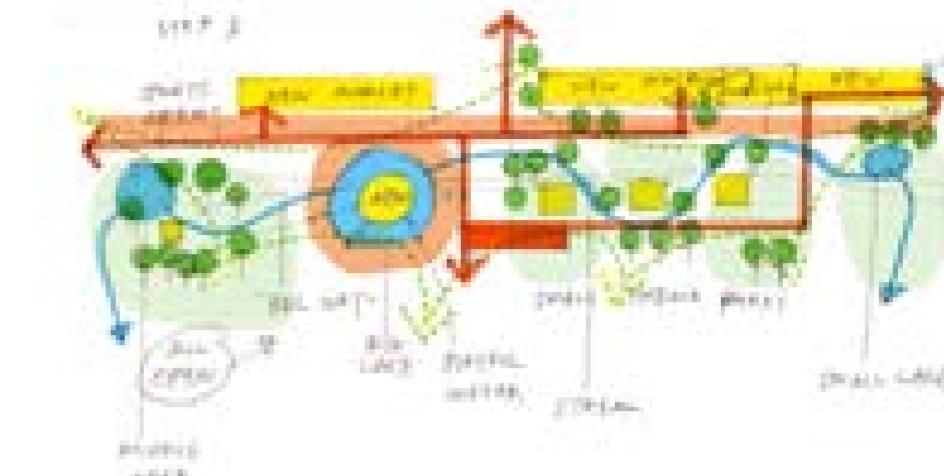
new garden
new functions for the old
buildings

SECTION

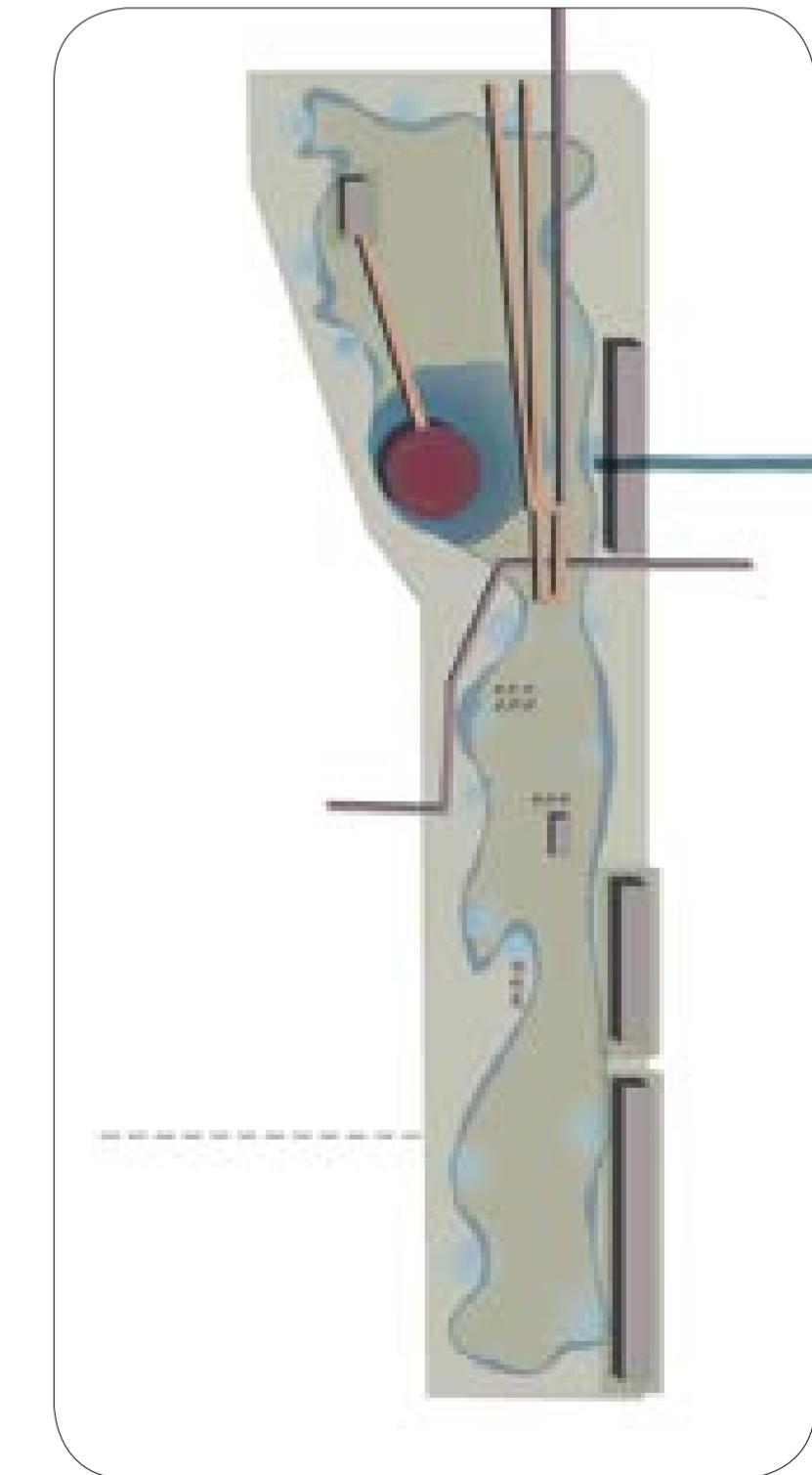
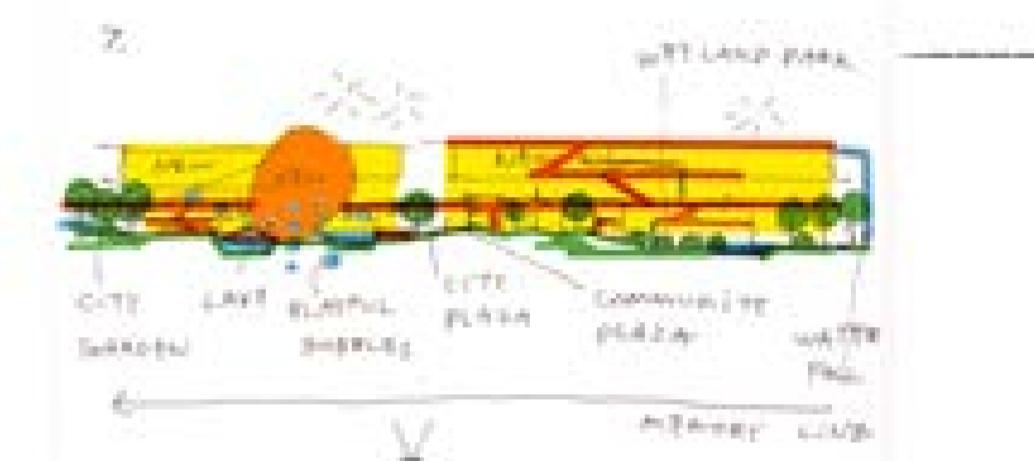


time

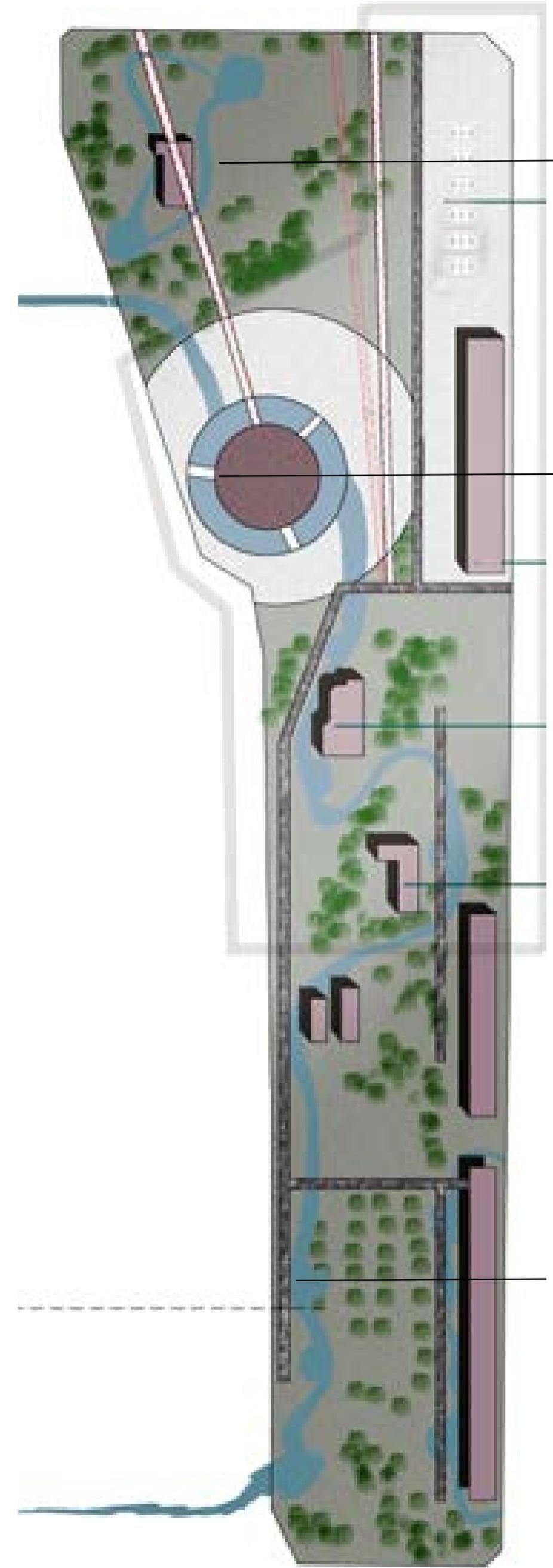
design
7 steps



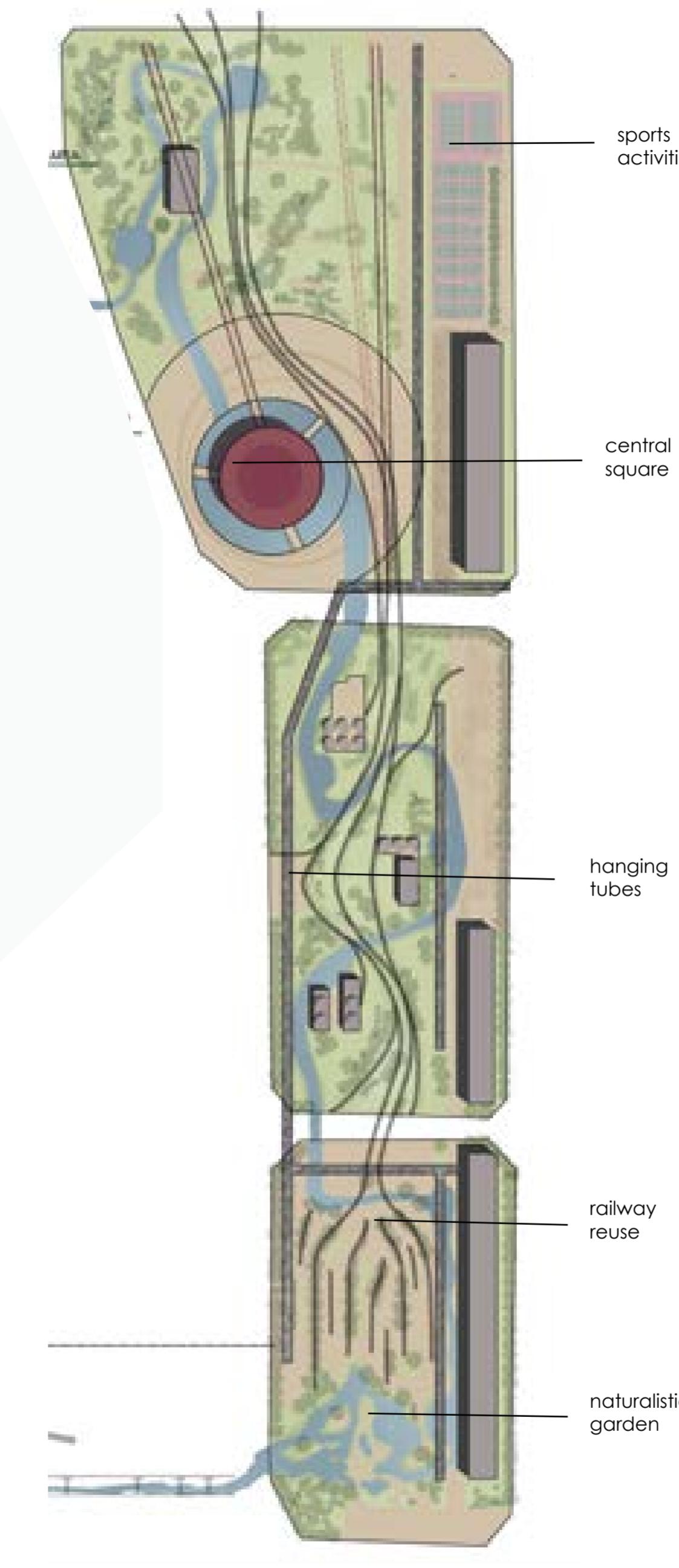
function division
let the rail way connect every part



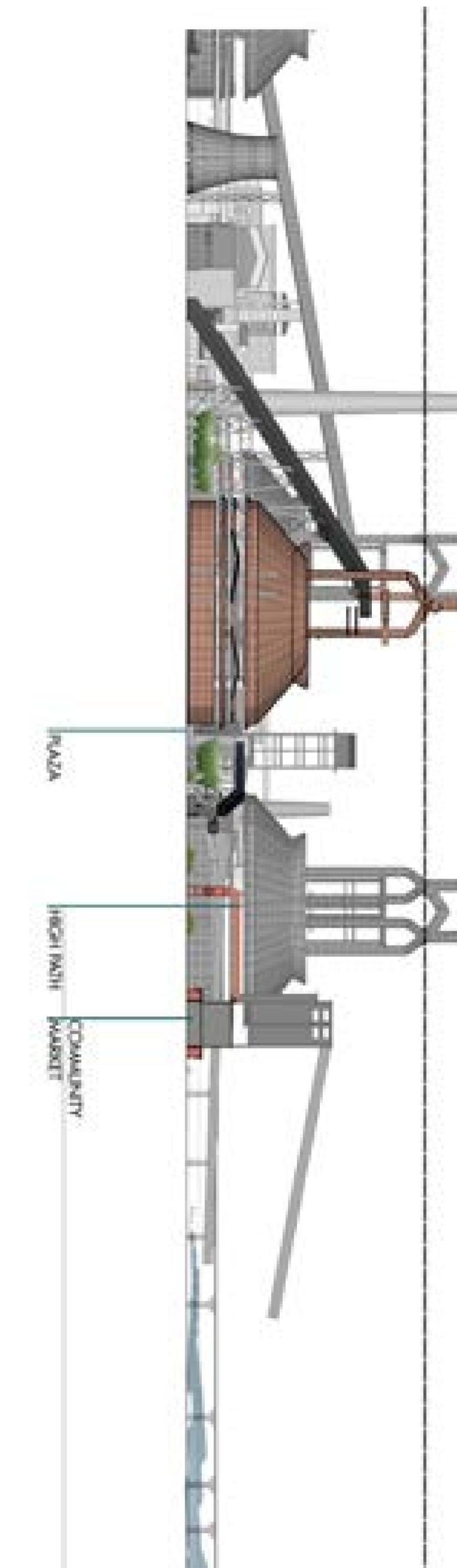
site design of 1st period
wetland world



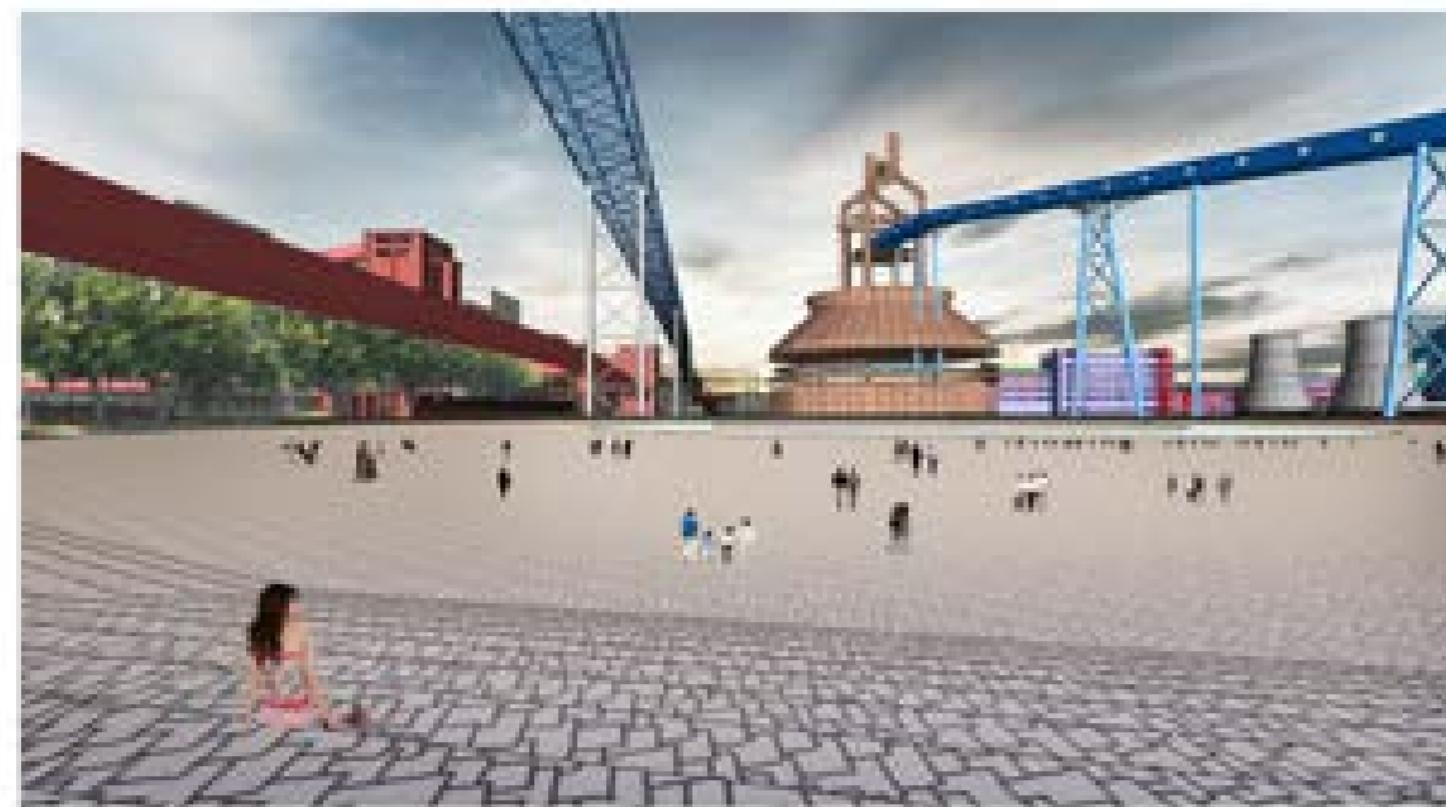
Site design of 2nd period
central area construction



Site design of 3rd period
industry heritage reuse



section of
central square



**COMMUNITY LINE
FOR RESIDENTS**

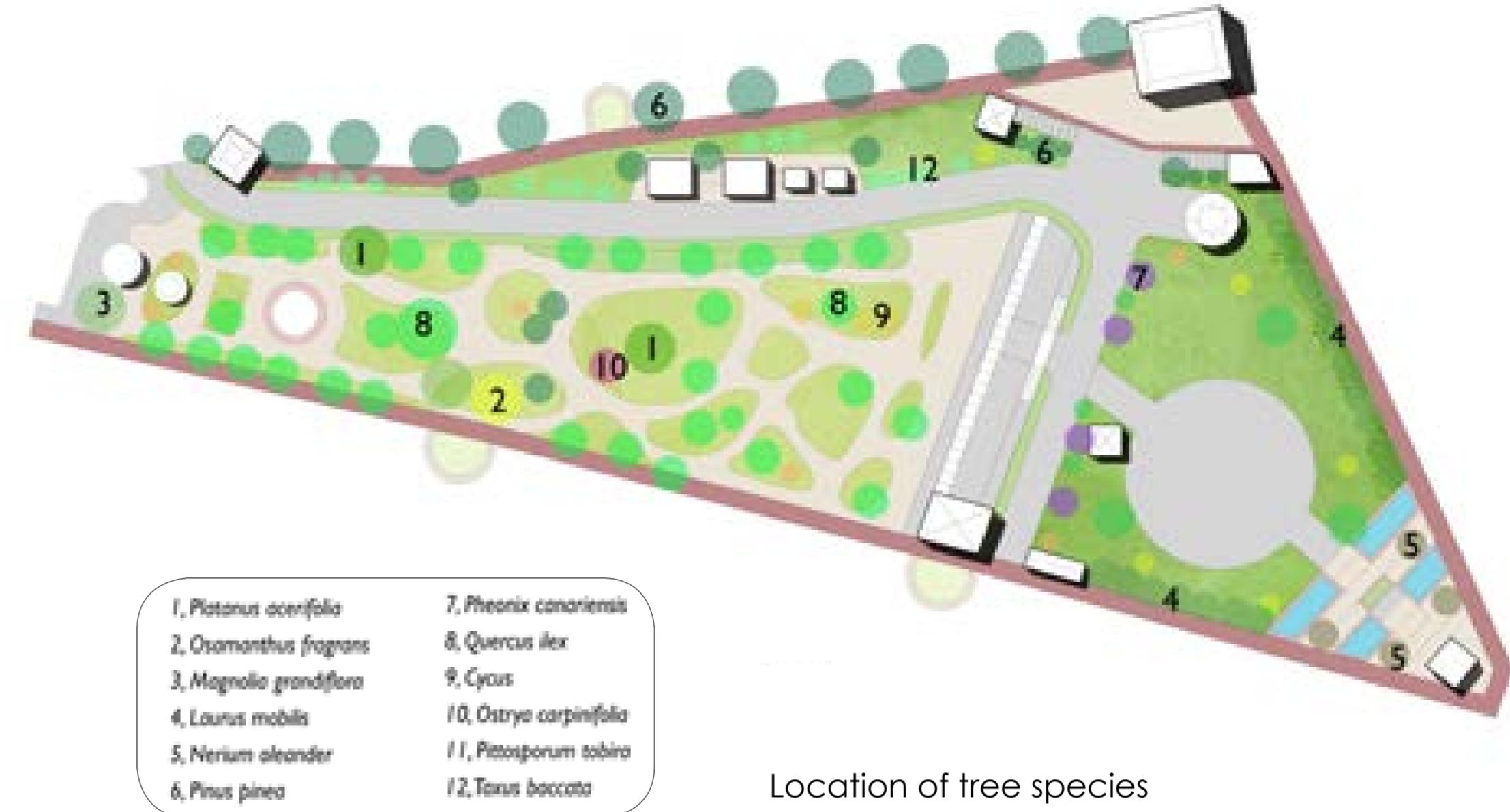
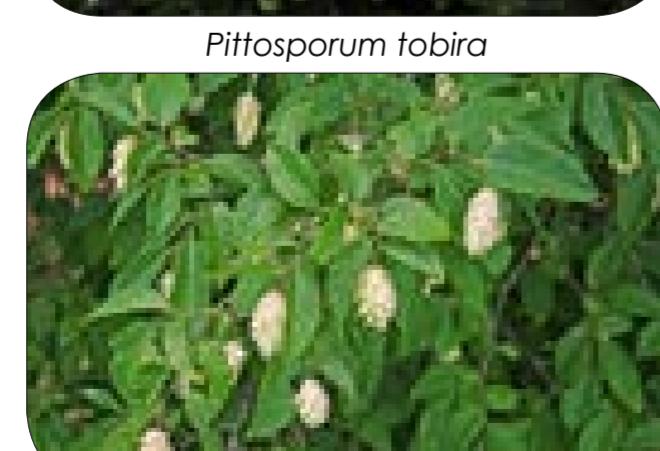
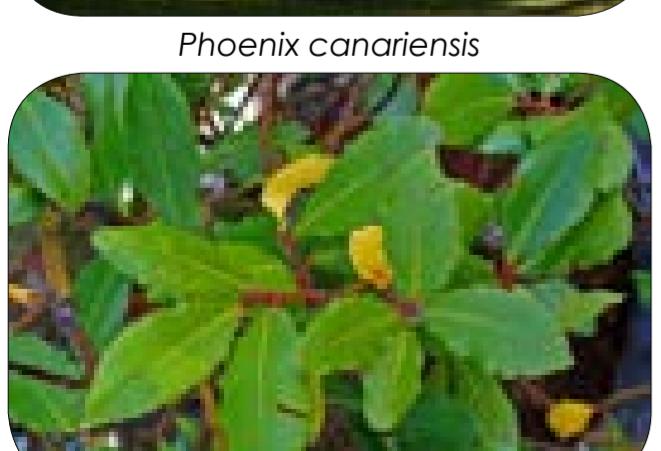
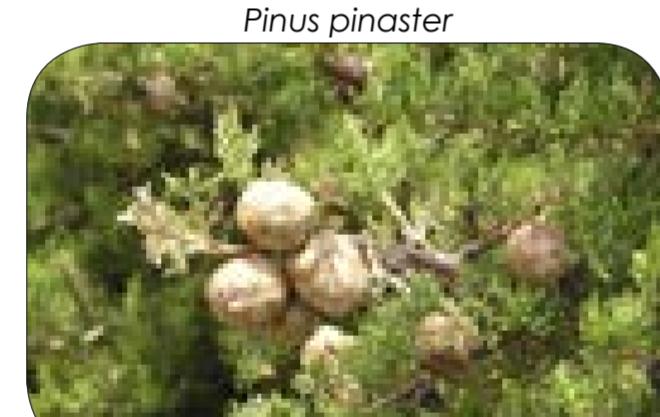
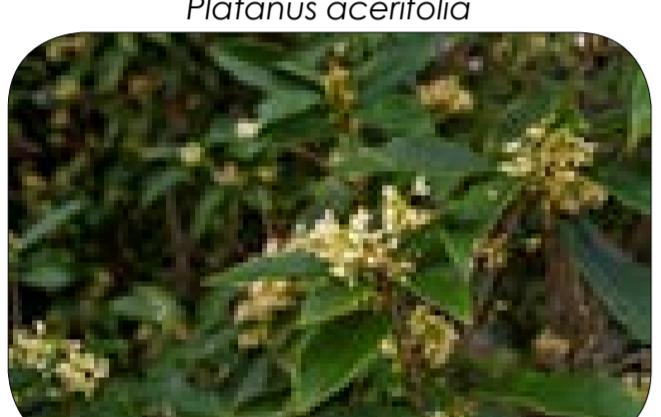


**MEMORY LINE
FOR VISITORS**



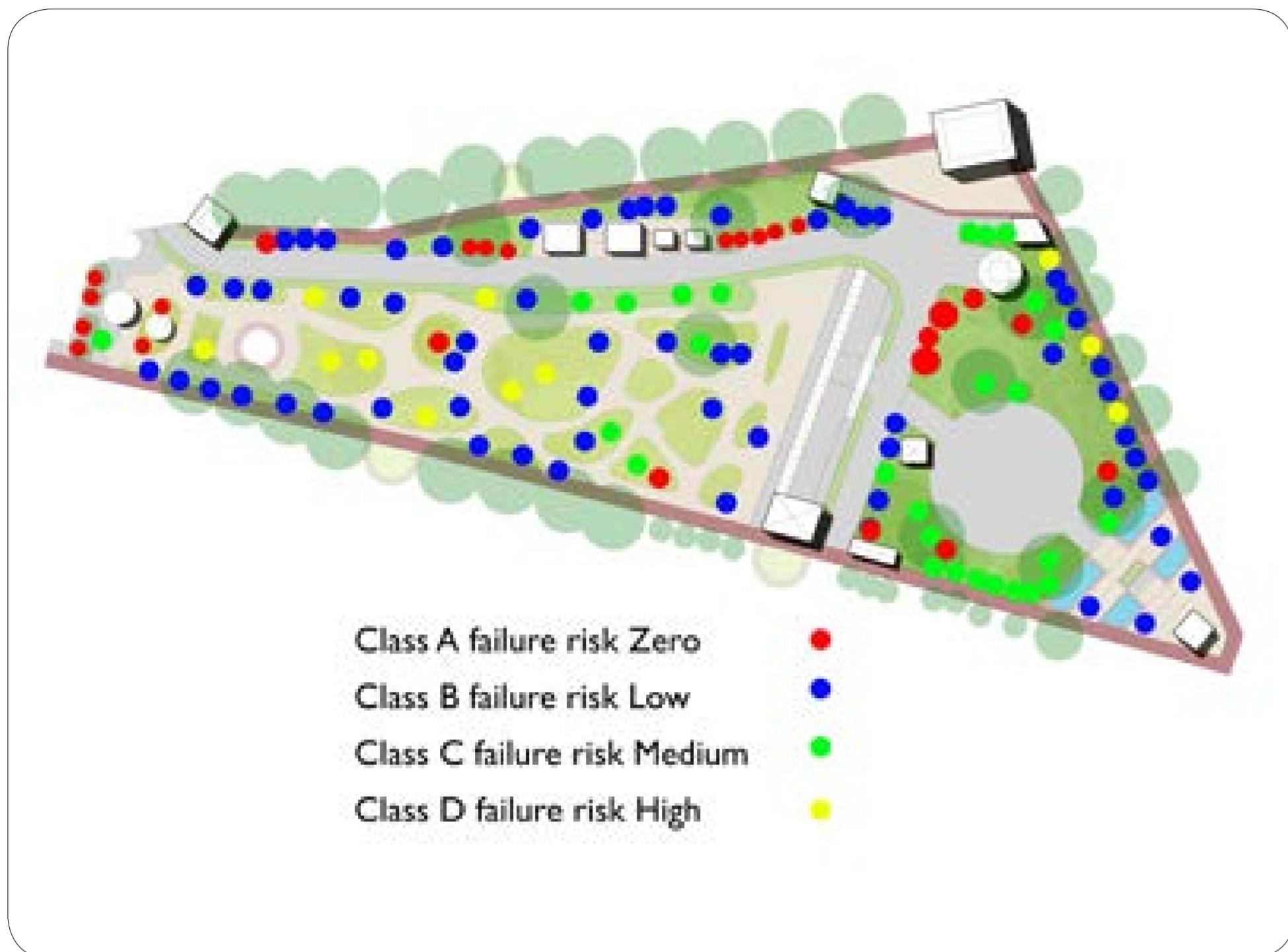
healthy urban trees

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

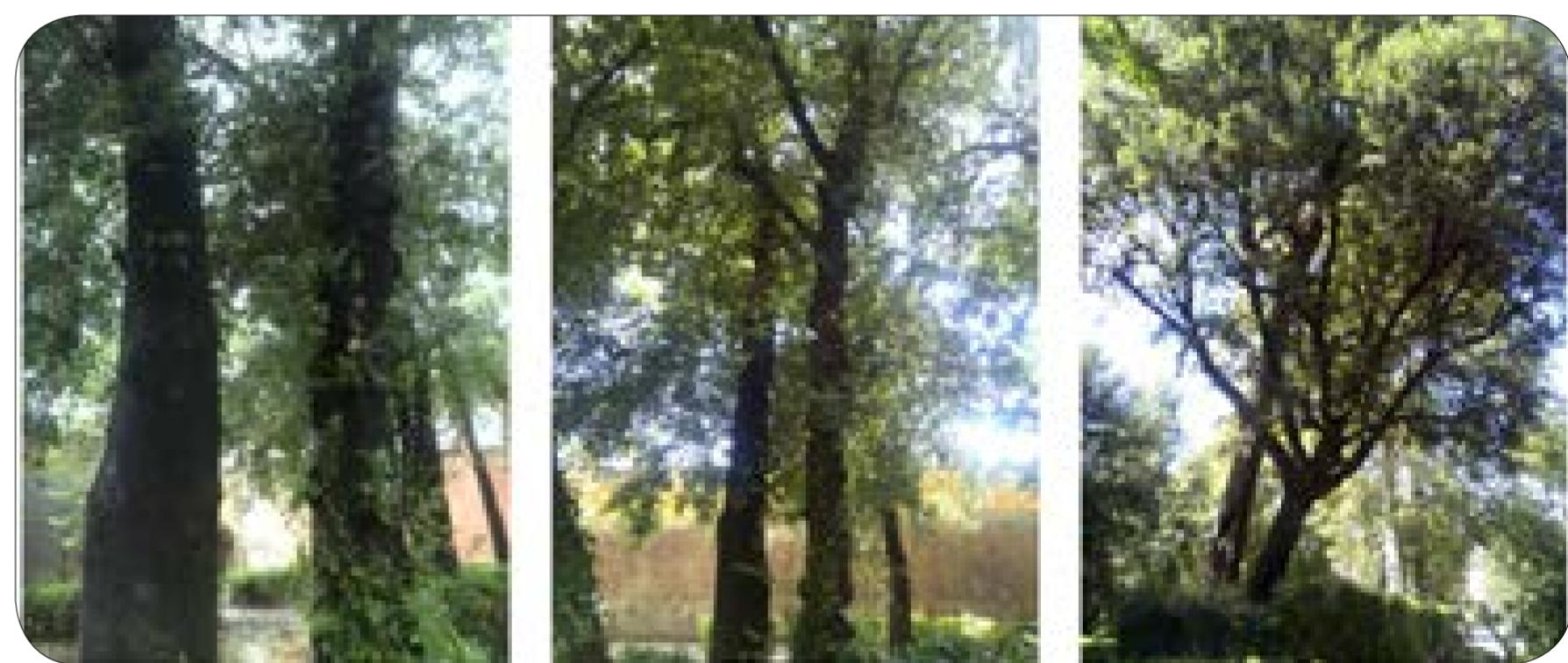
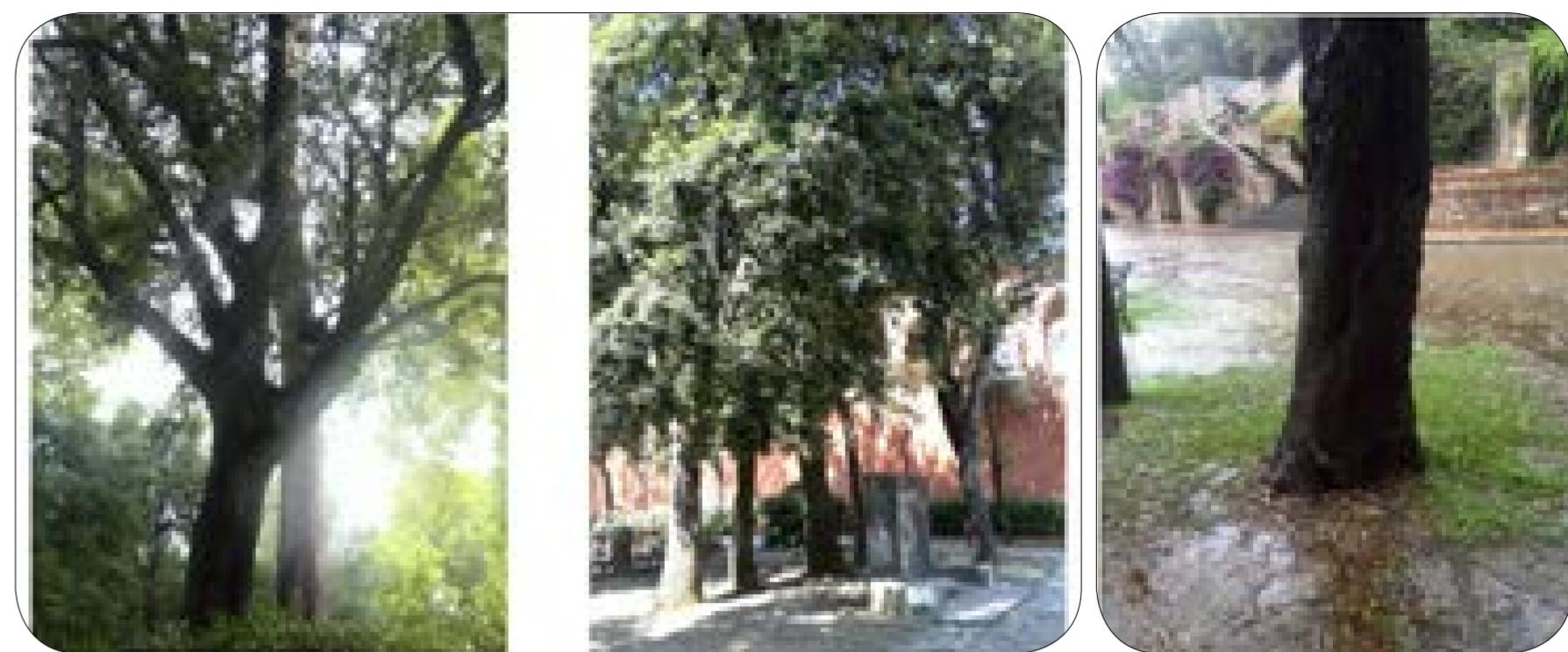


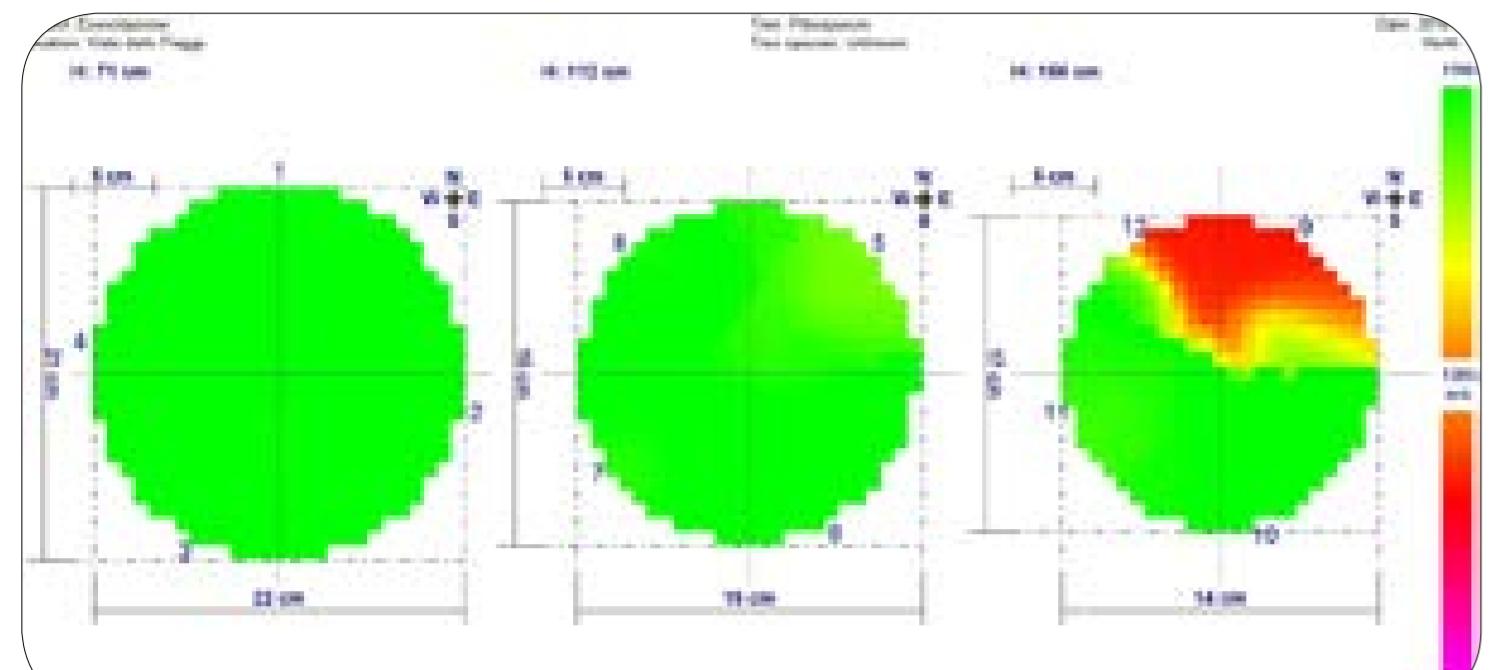
Site Plan of Giardino Scotto



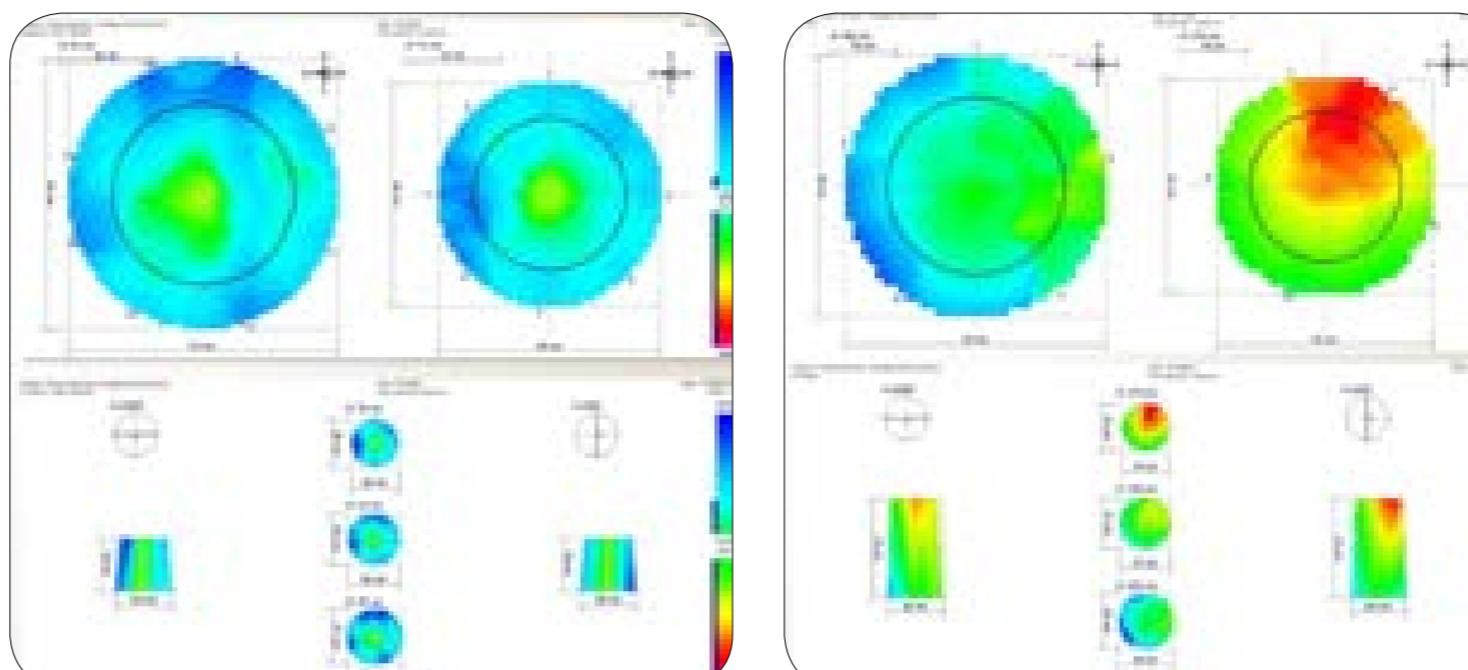


Survey of Tree Stability

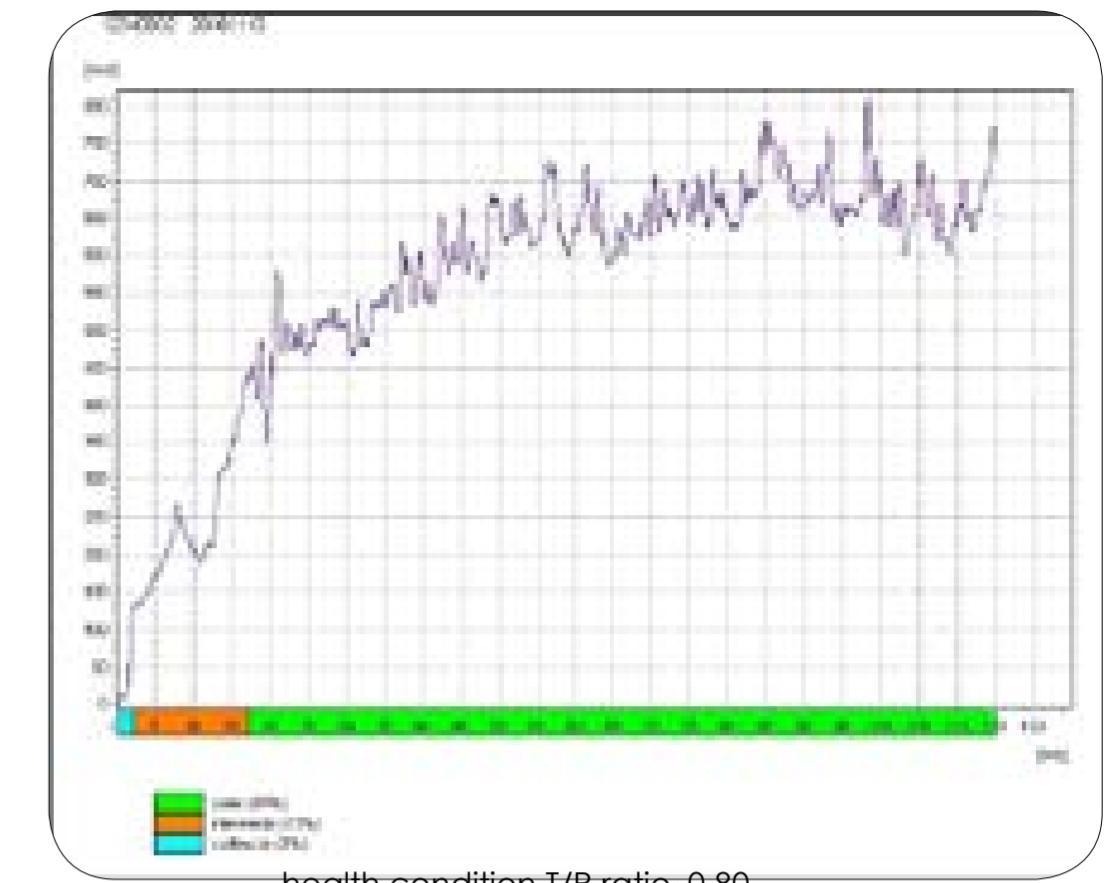




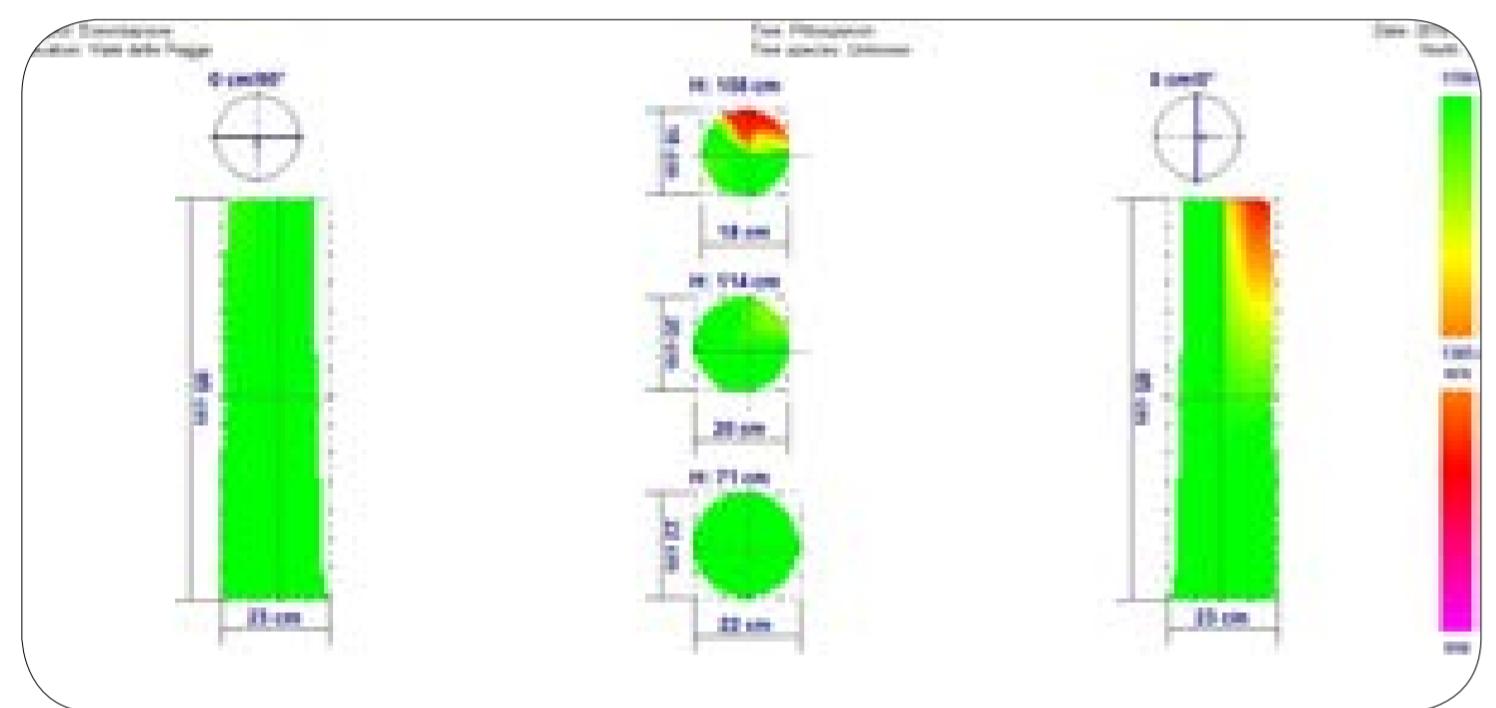
2D model of Arbotom result
examination sections: 71cm. 112cm 156 cm



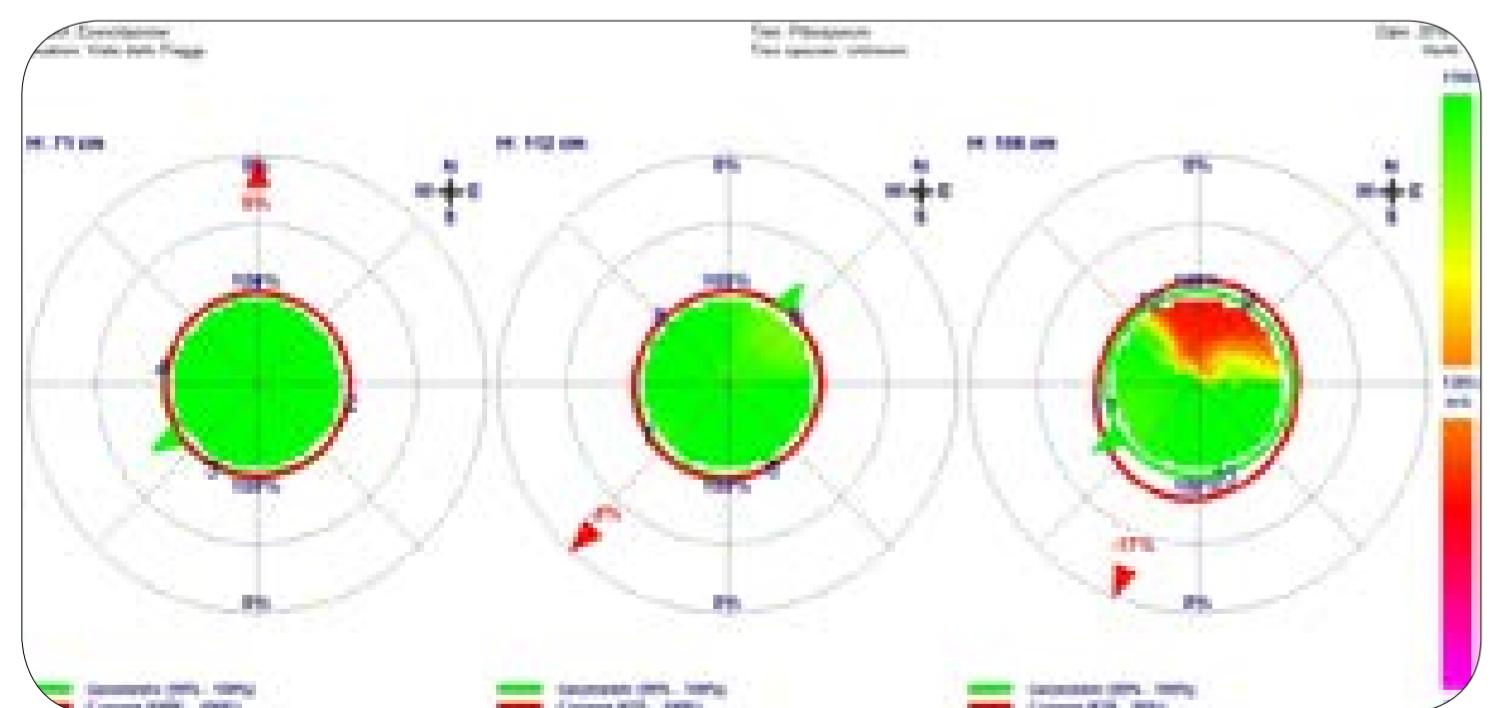
healthy condition (*Pinus pinea*)
heavy cavity (*Quercus ilex*)
216 cm direction NE



health condition T/R ratio: 0.80



3D model of Arbotom
showing that there is a cavity

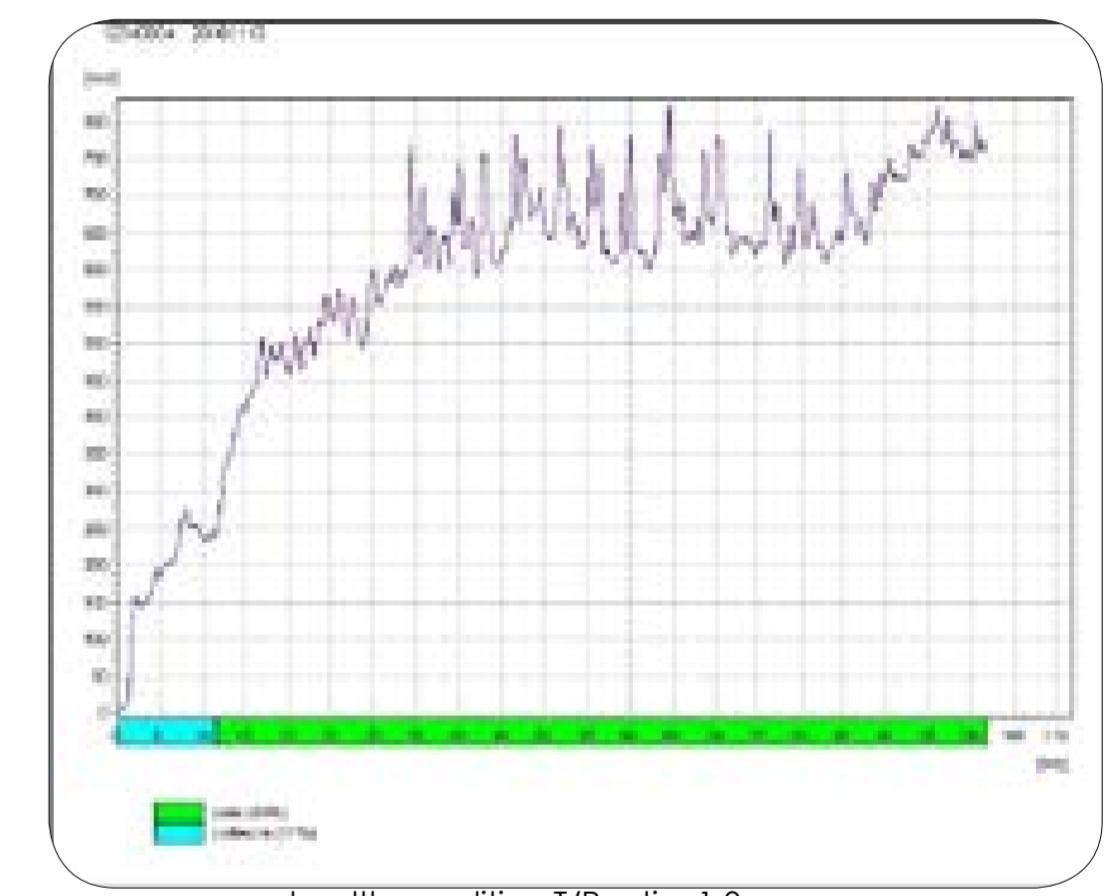


Technique of Arbotom
showing that there is a cavity
(156 cm direction NE)

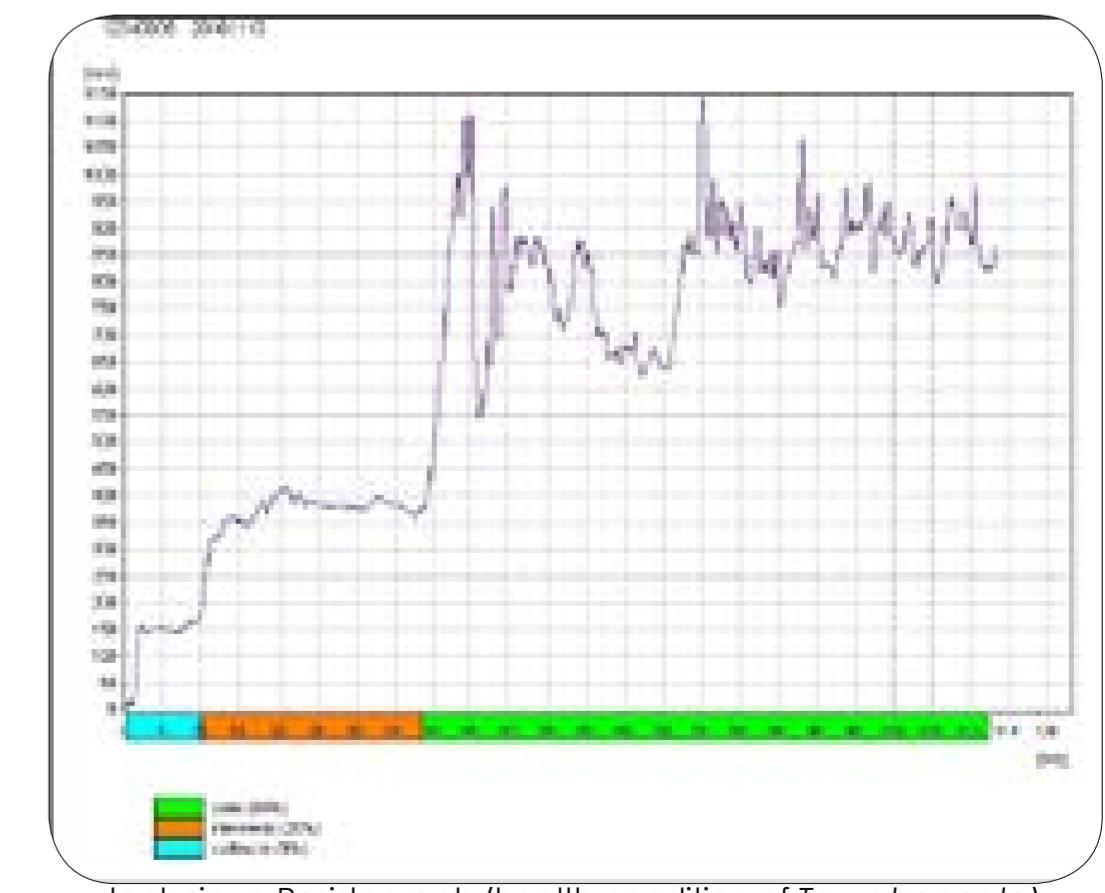
Visual Tree Assessment important samples

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



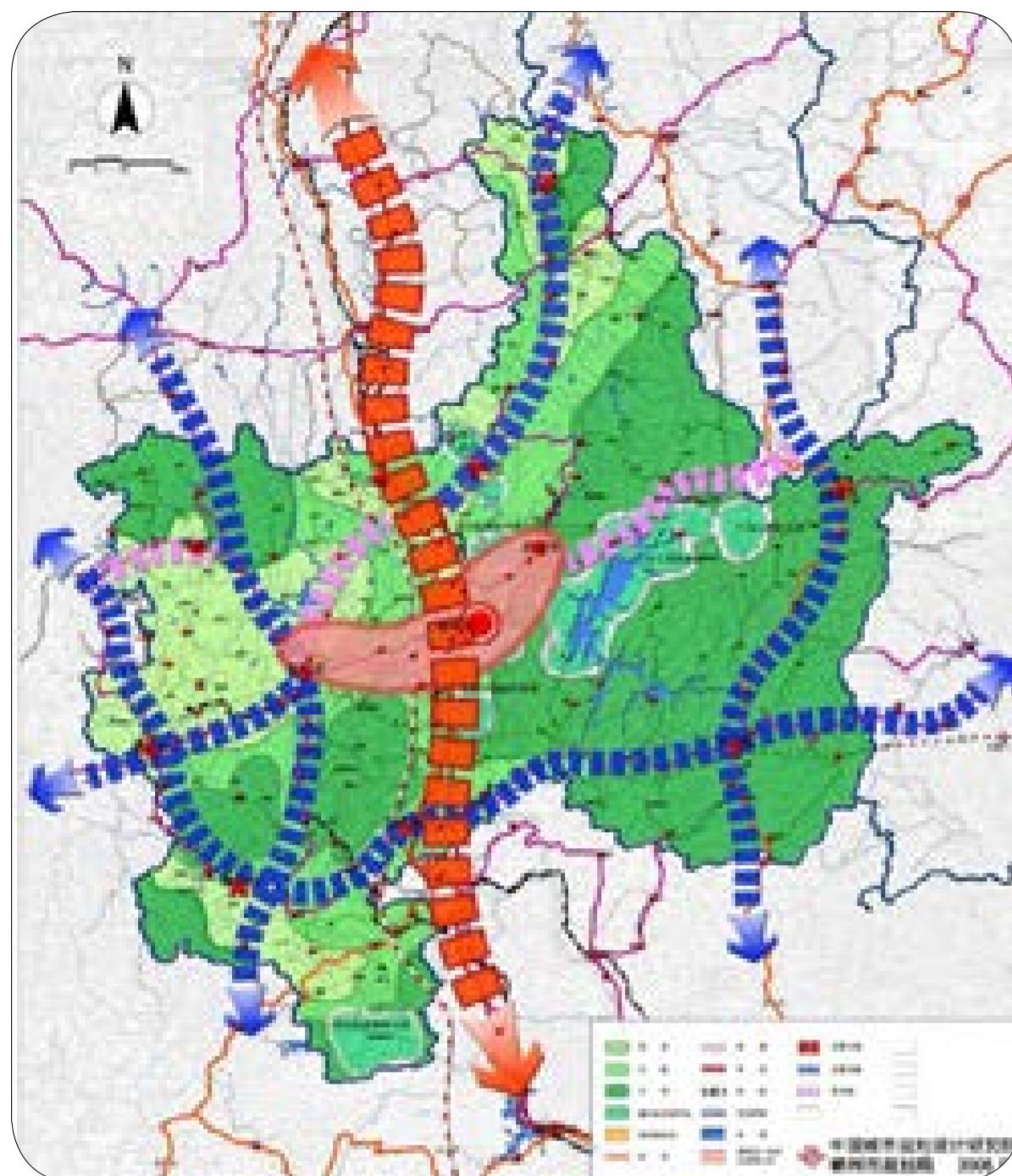
health condition T/R ratio: 1.0



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



Urban planning



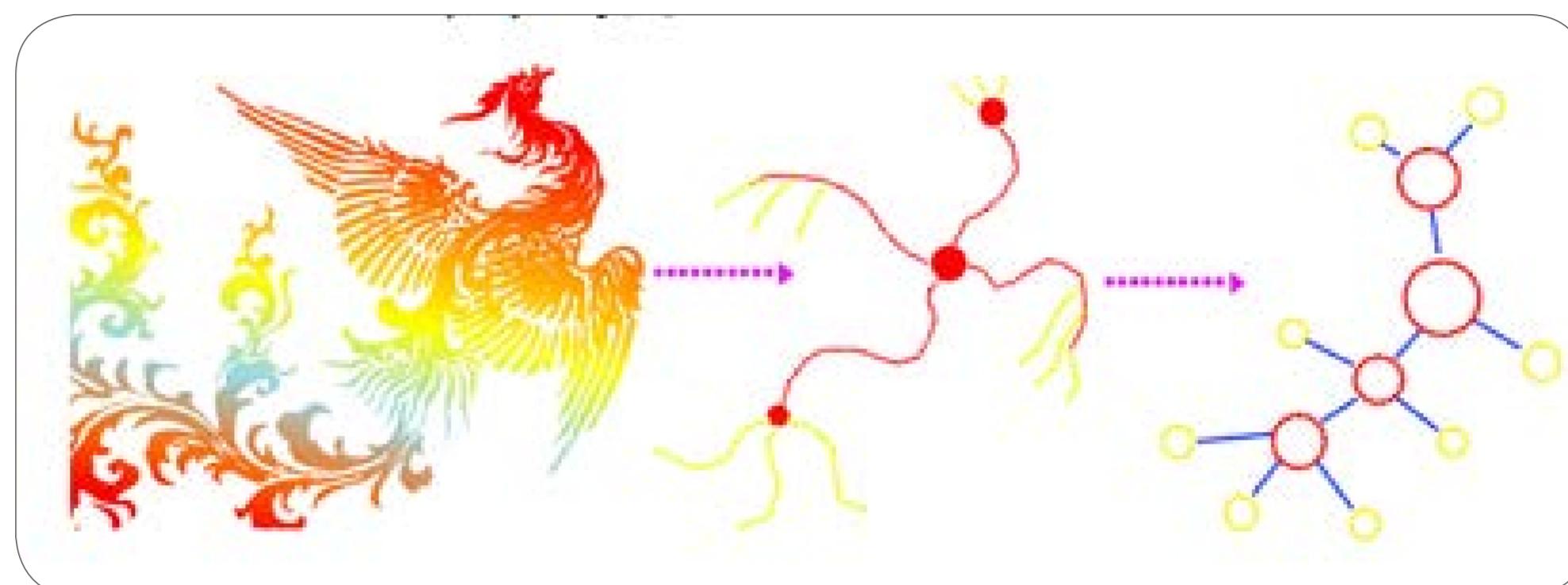
park distribution in the city



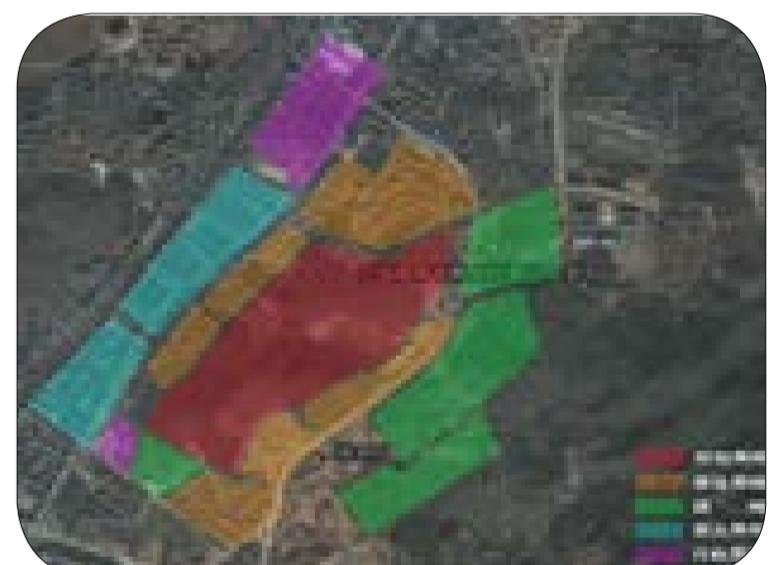
Site location



location of Chenzhou



design logic process



landuse around

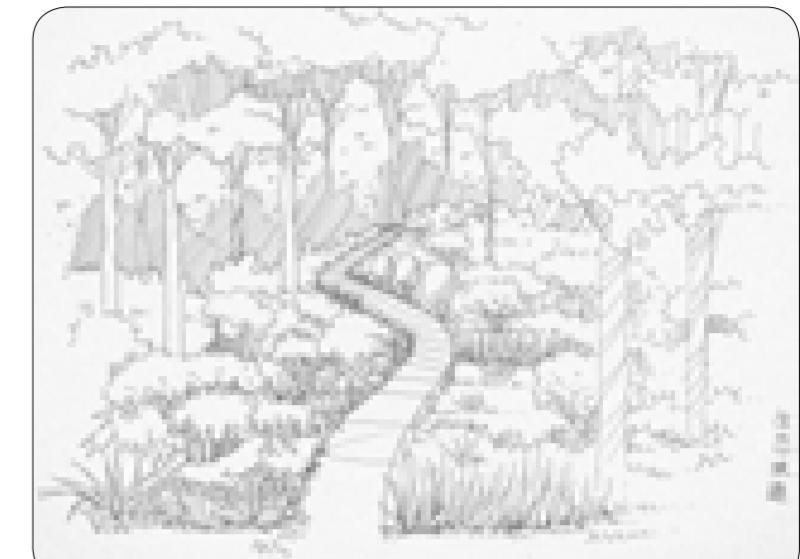


transportation condition

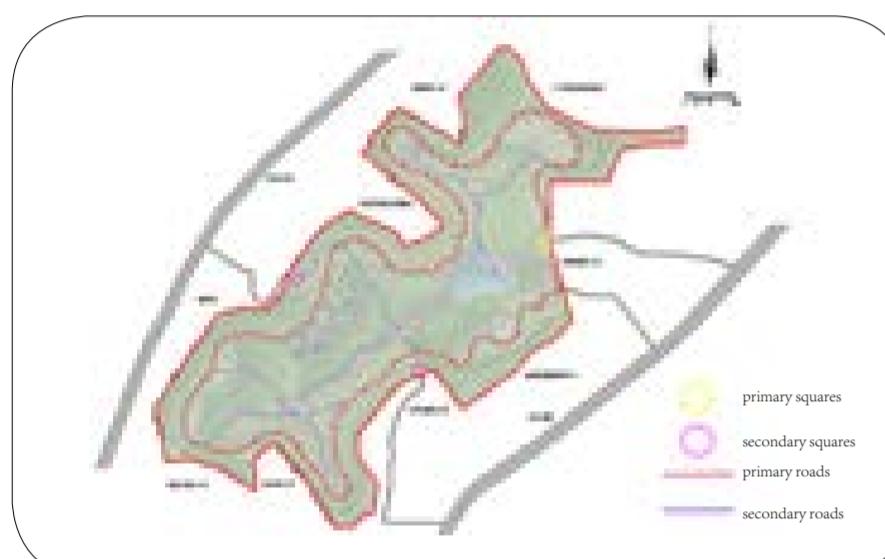
Current situation



functional divisions



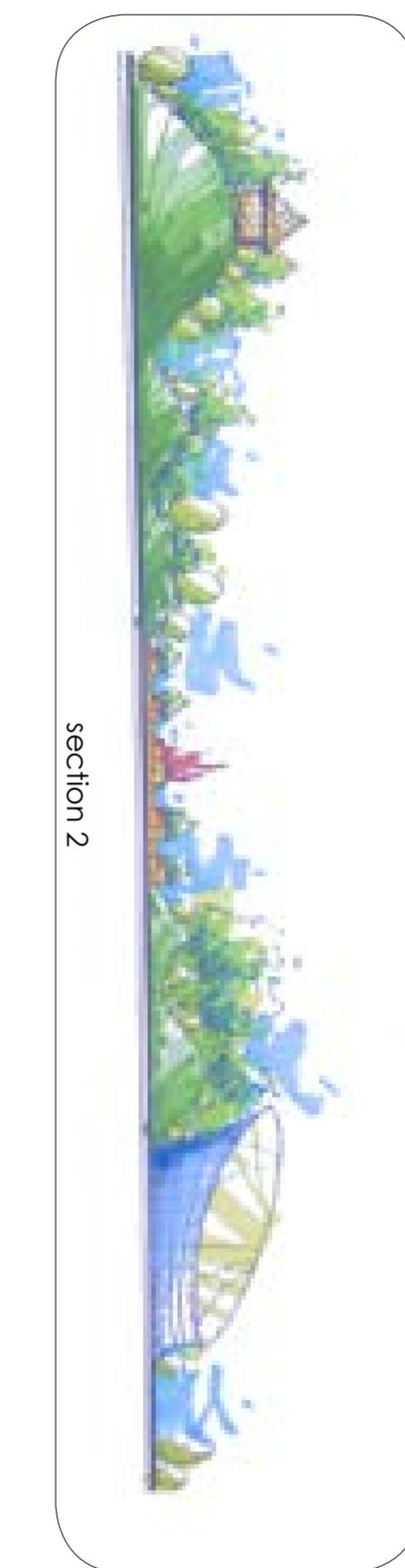
pathway in the woods



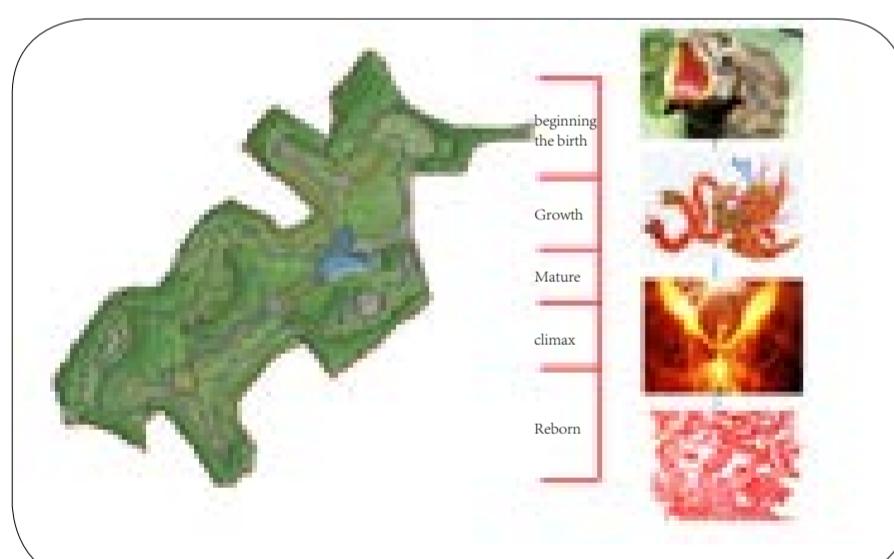
circulation analysis



master plan of the park



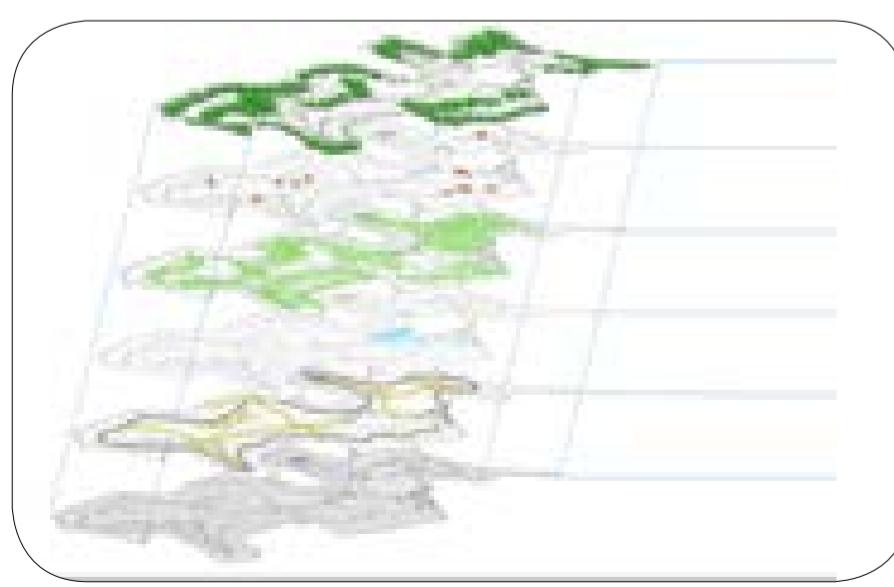
phoenix square



storyline of the park



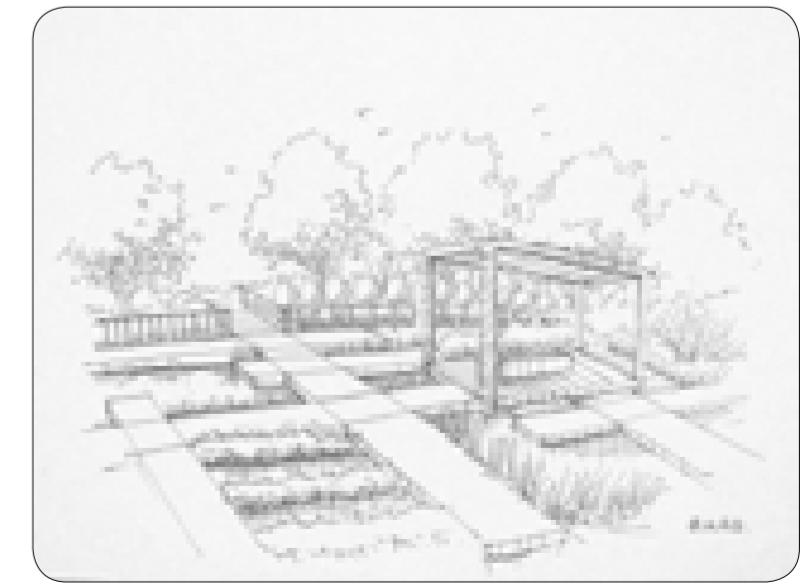
section 1



layer division



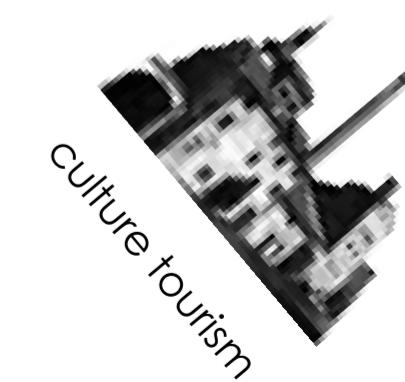
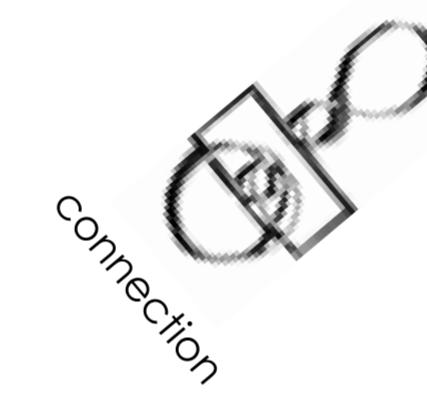
perspectives of main spots



platforms near water



Future Proposal Plan of Olbramovice and Votice





location

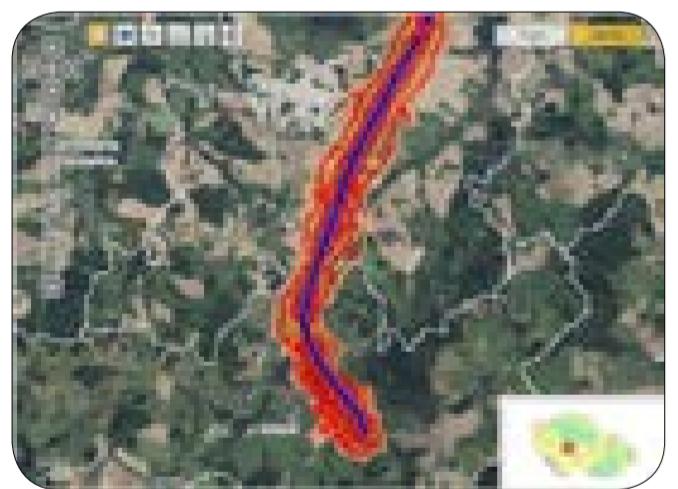


structure of Olbramovice



structure of Votice

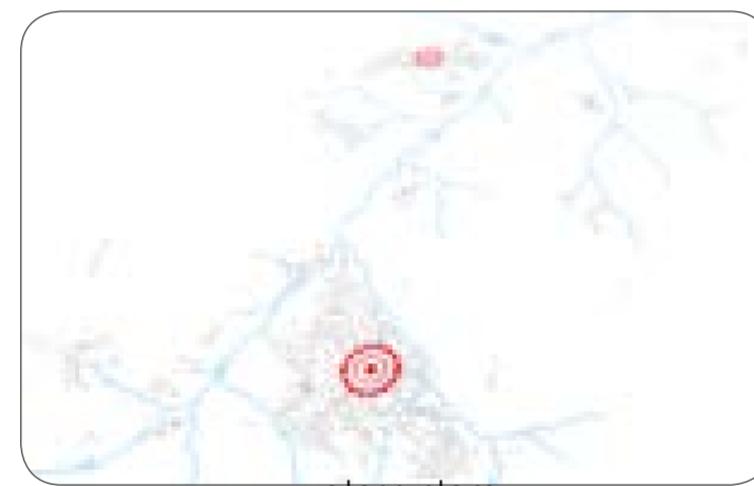
Basic information about two towns



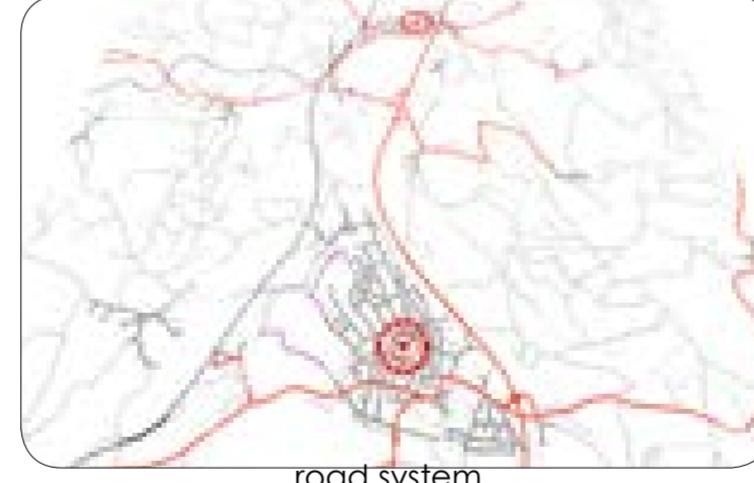
Noise influencing area
(blue: heavy, red medium)



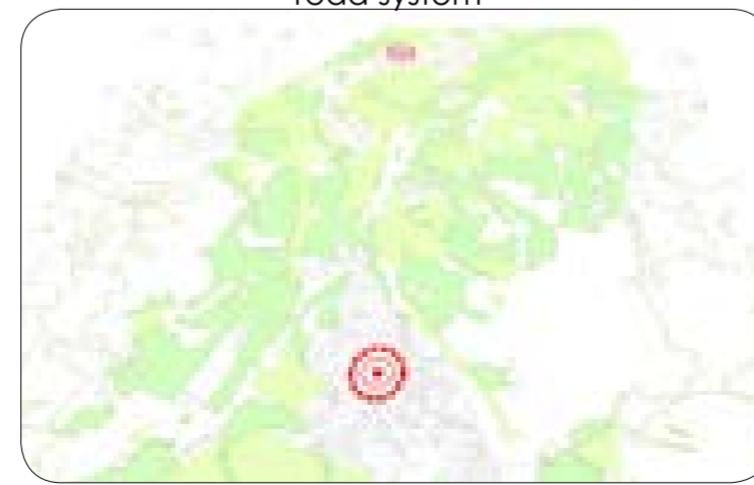
important Biocorridor
near the town



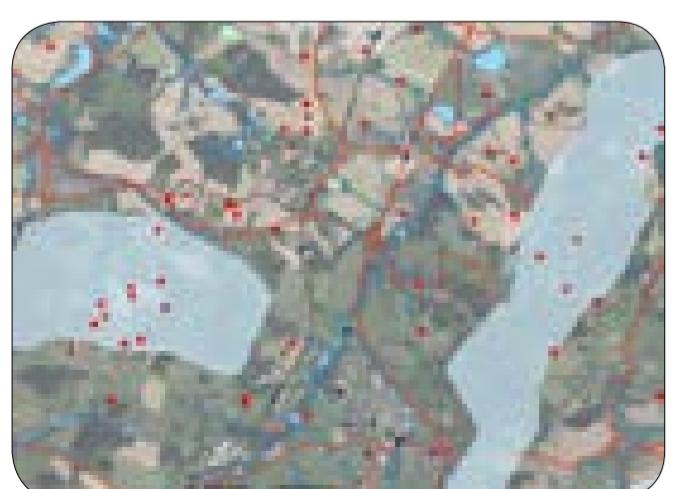
water system



road system



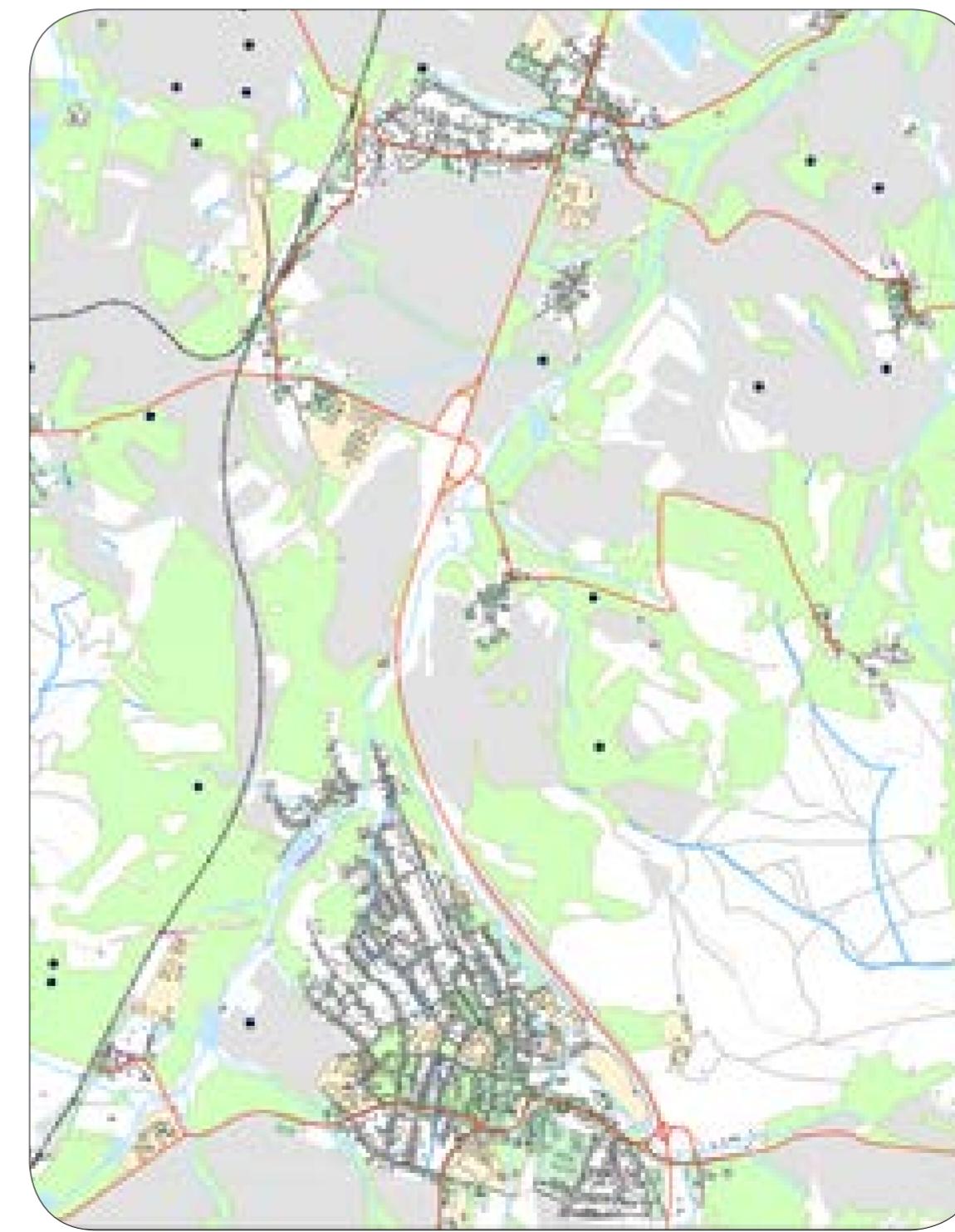
green system



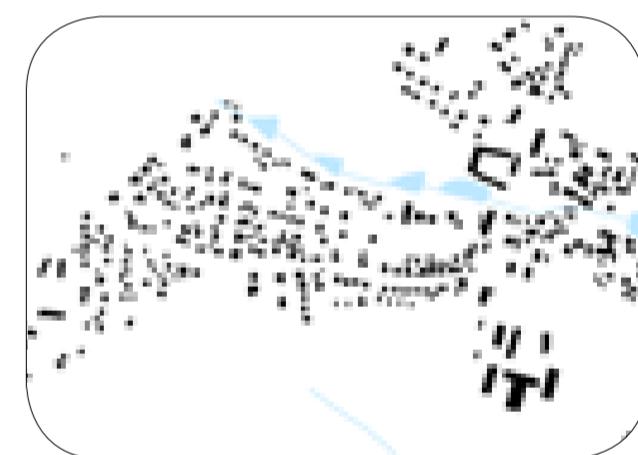
Protected area and important
trees



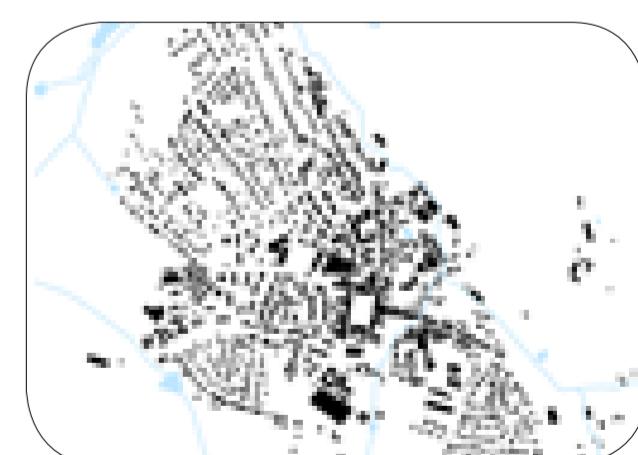
Natural risk zones
(green low, yellow medium)



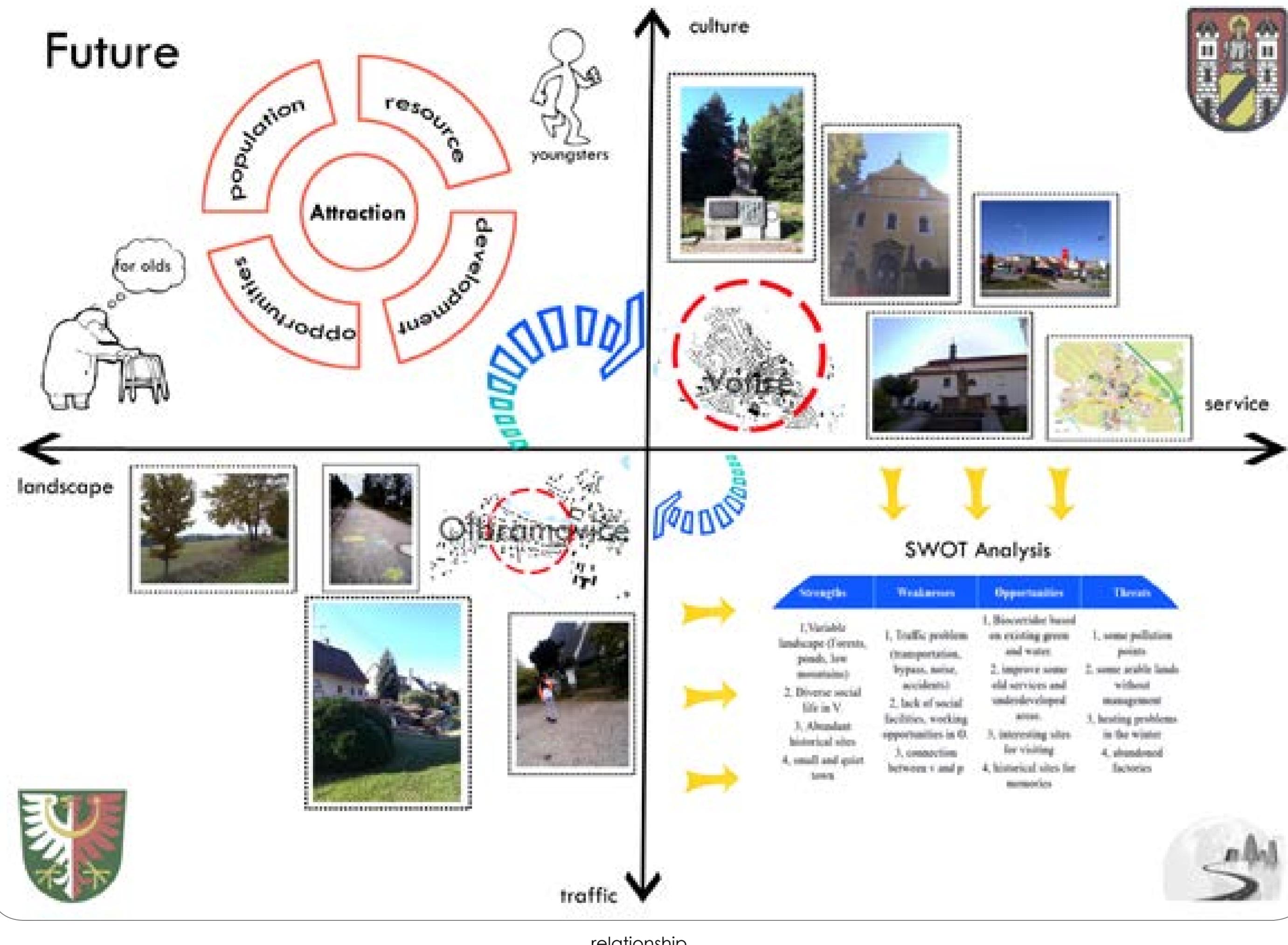
land use



black and white relationship
(building density)



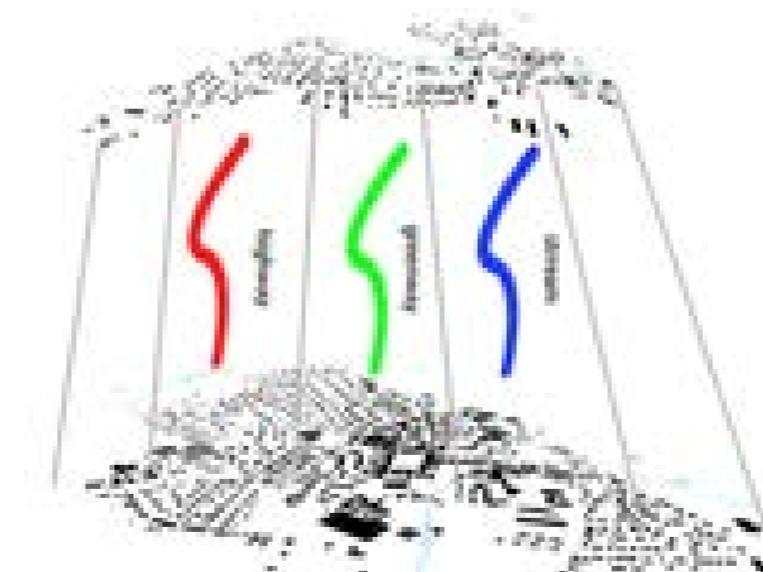
Future



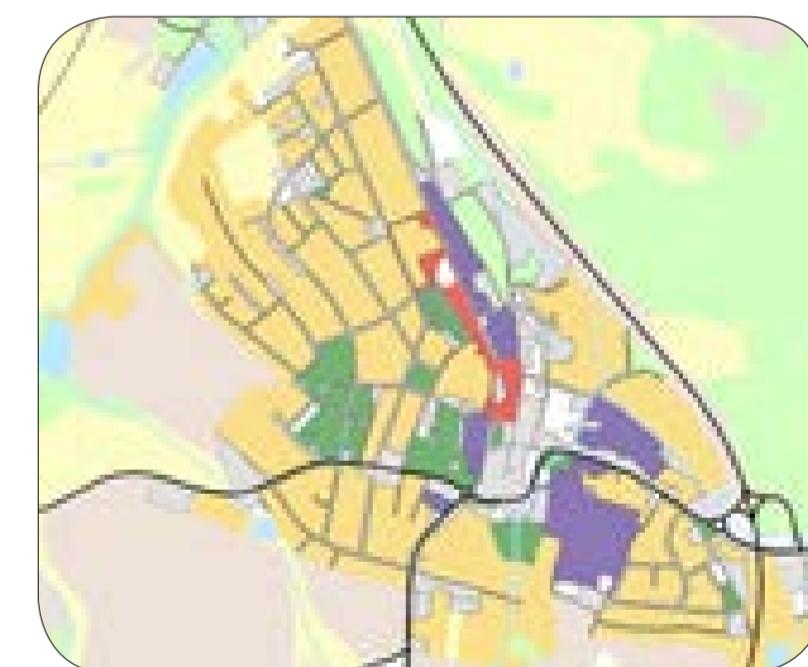
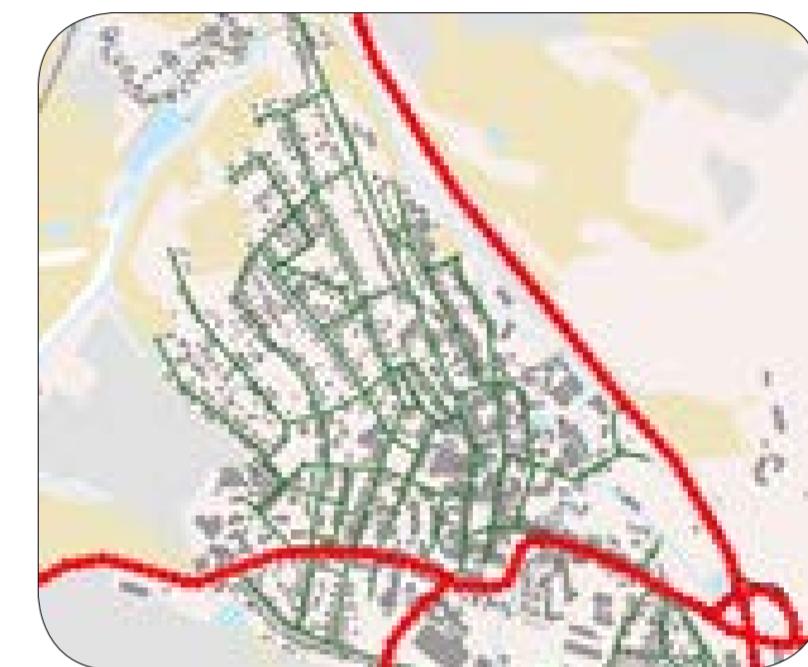
yinyang



embraced city pie



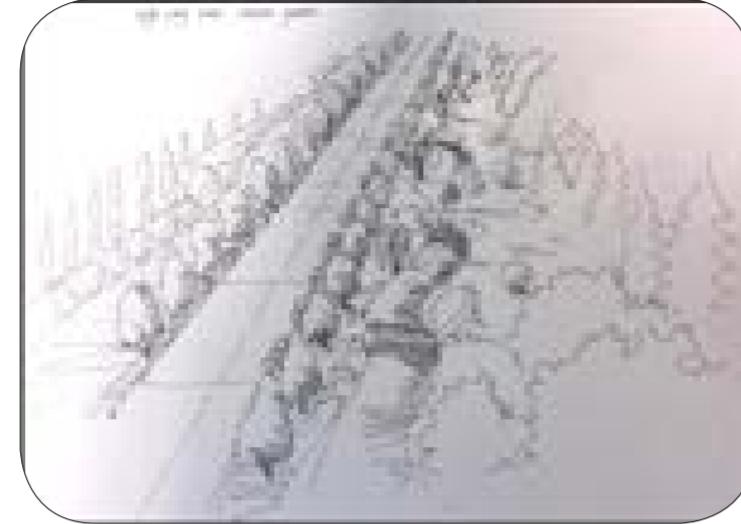
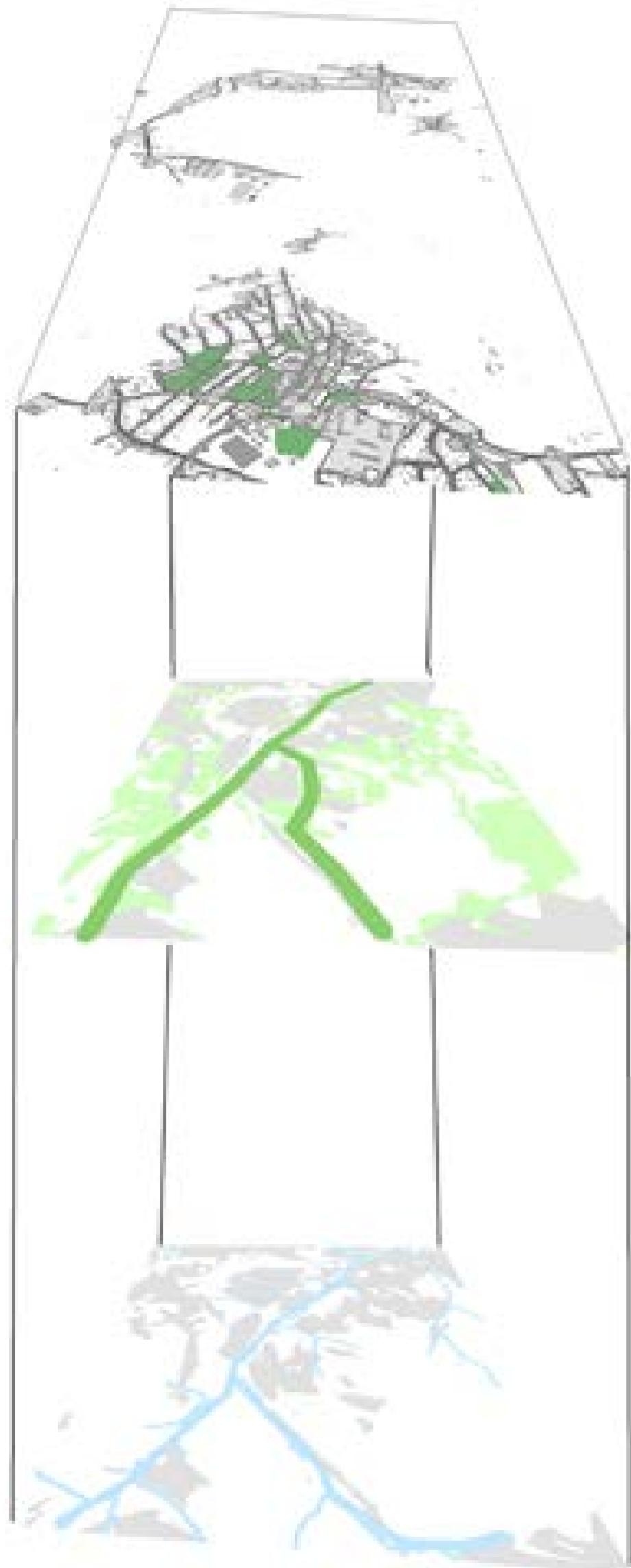
connections



functional analysis

Economy Vitality

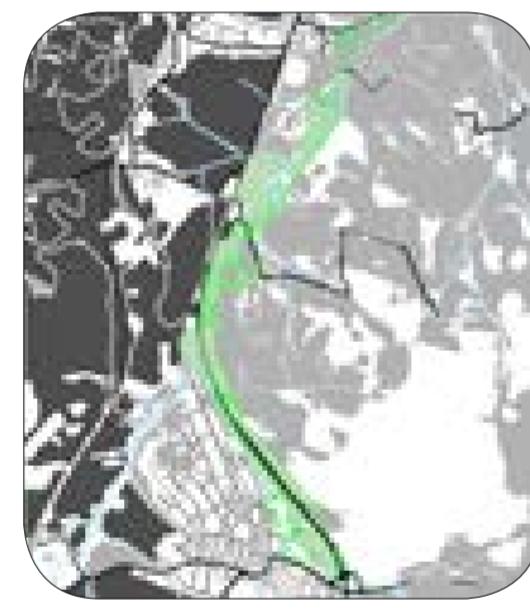
Connection between O, V and Prague --- bus stations, bicycling and walking way, New infrastructures



new highway system

Ecology Freindly

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



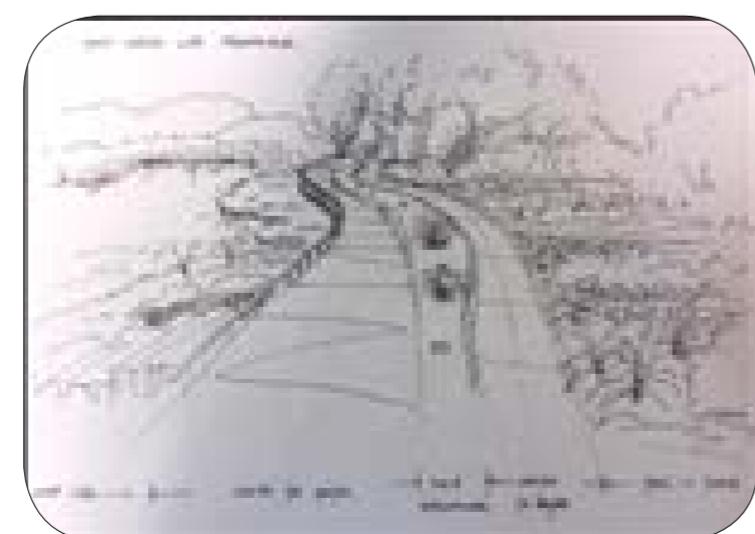
green corridor

section of linear park

section of the road



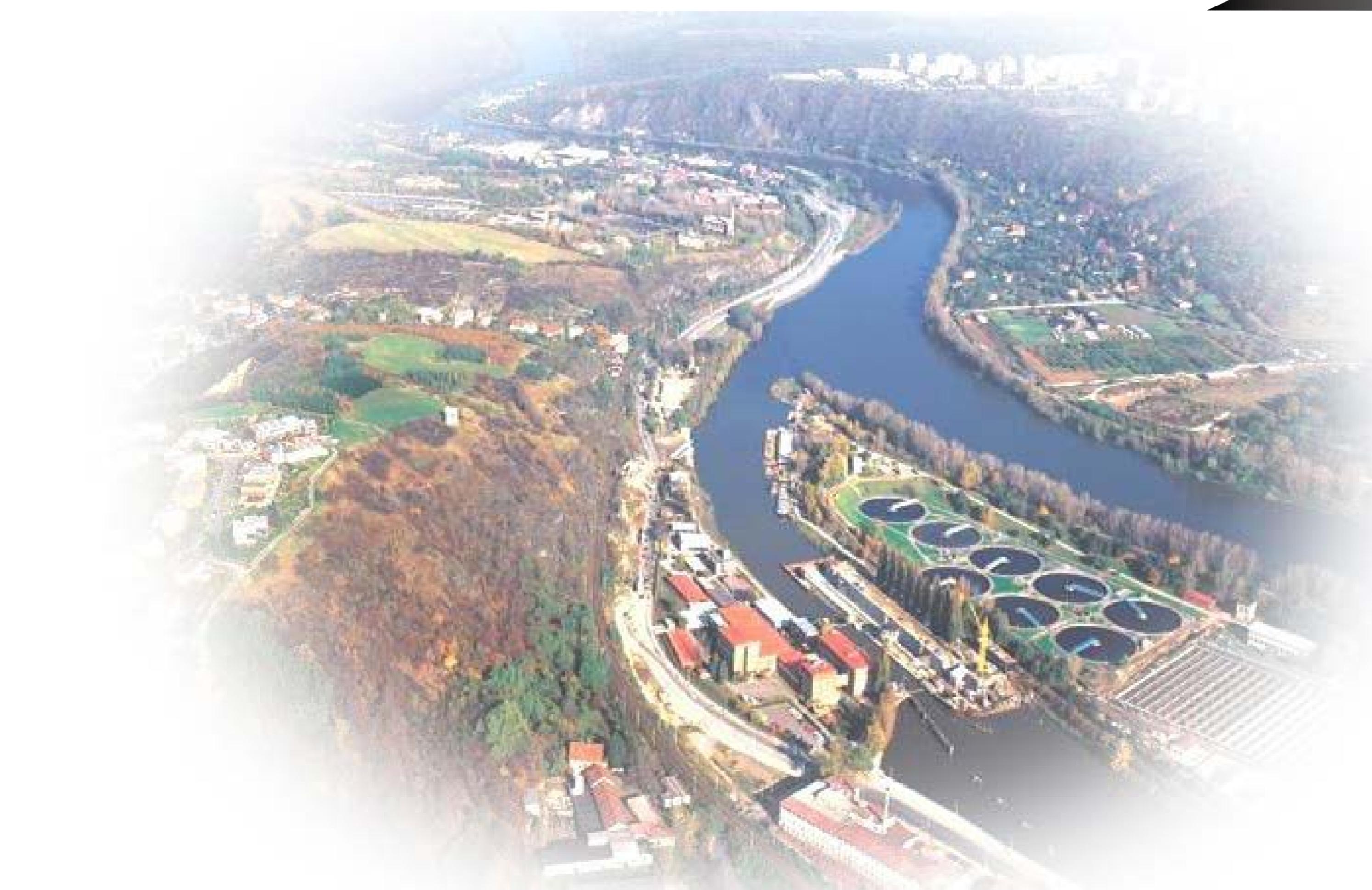
new parks position + cultural center



new activity--search the city

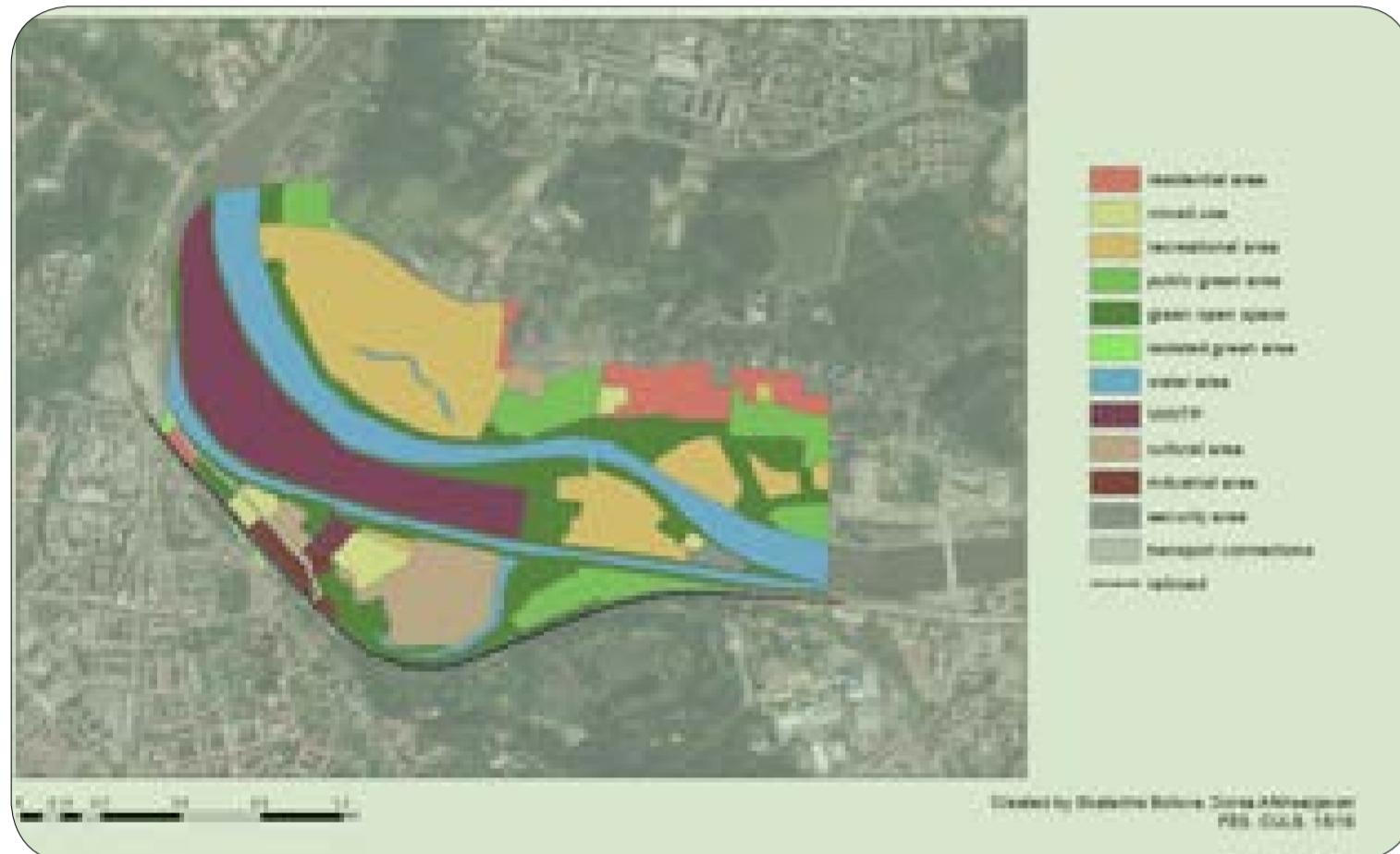
leisure center + connections

**Conceptual design of
Stromovac Park**





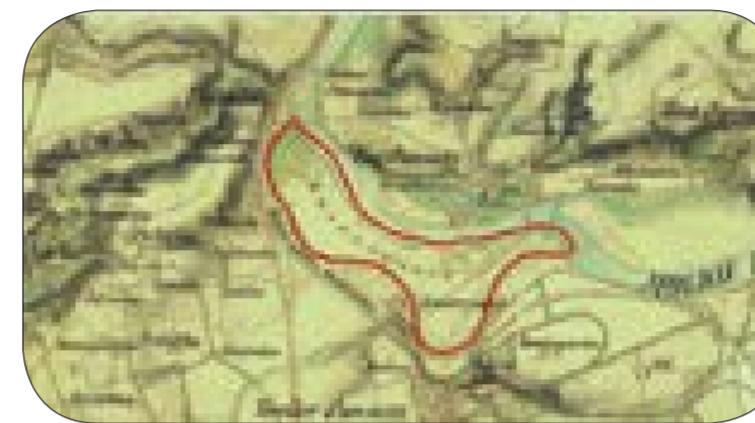
the natural scene around the park and the river



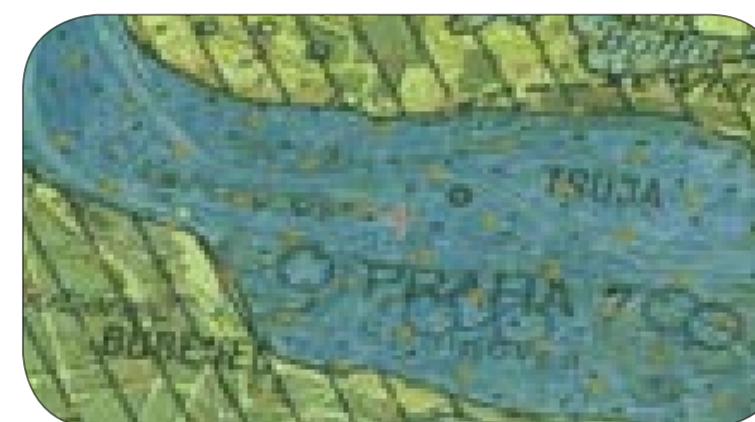
Landscape design of Stromovac Park ----A Flower Rainstorm Park



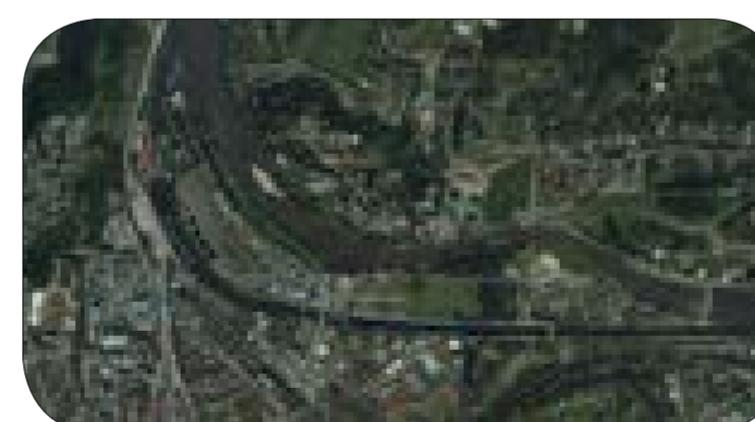
historical map in 18th century



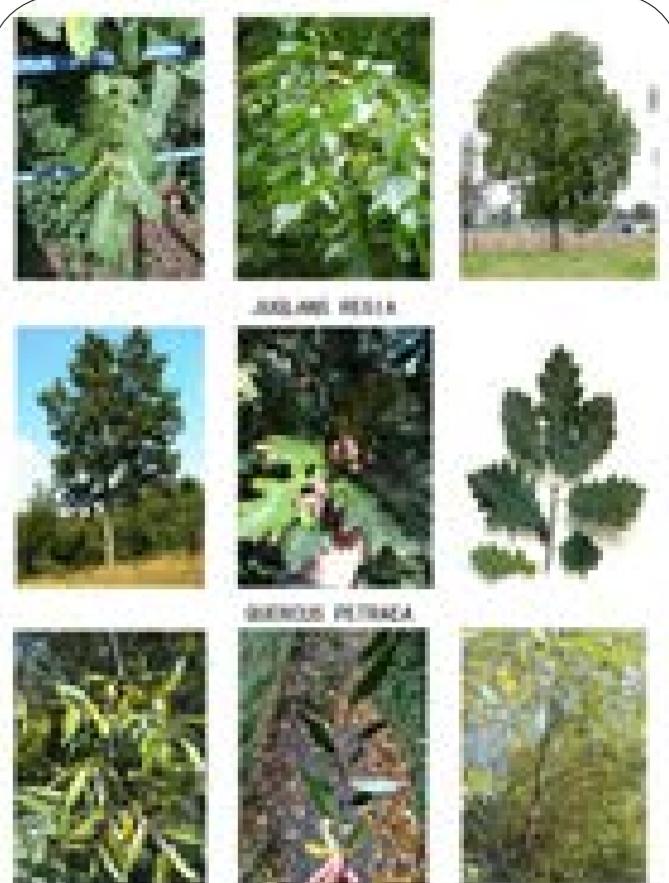
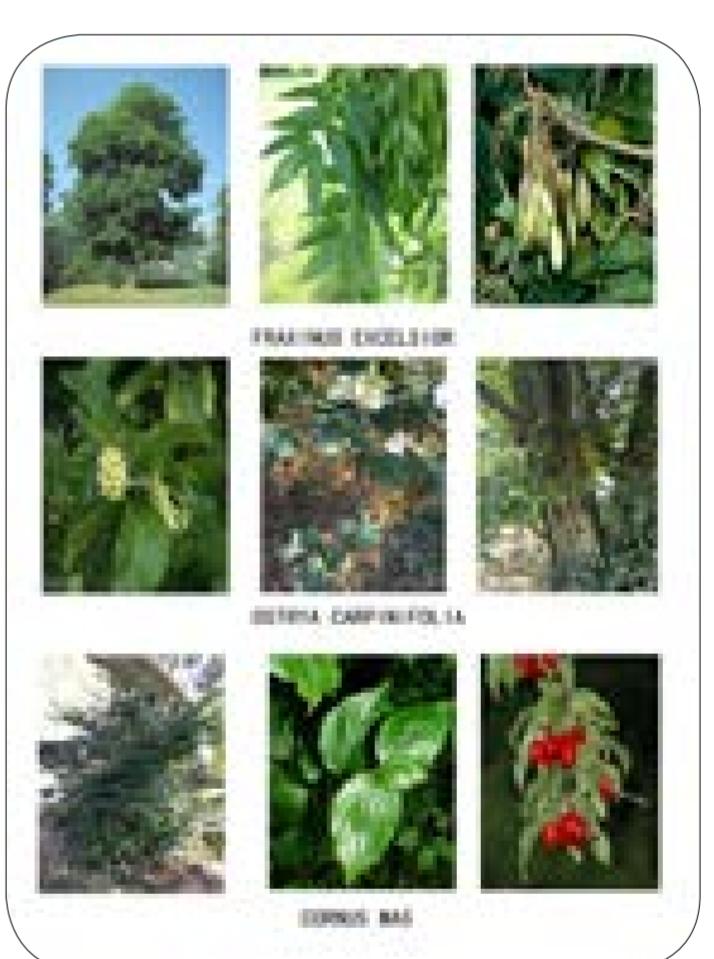
historical map in 19th century



A flood happened in 20th century



current orthophoto



User Analysis

target users:
families living nearby, youngsters with friends, sportive people, walkers.

Activities (current):
horse riding, paddling, drinking in the pub, walking, running, dog training, driving, cycling, thoroughfare,

SWOT Analysis

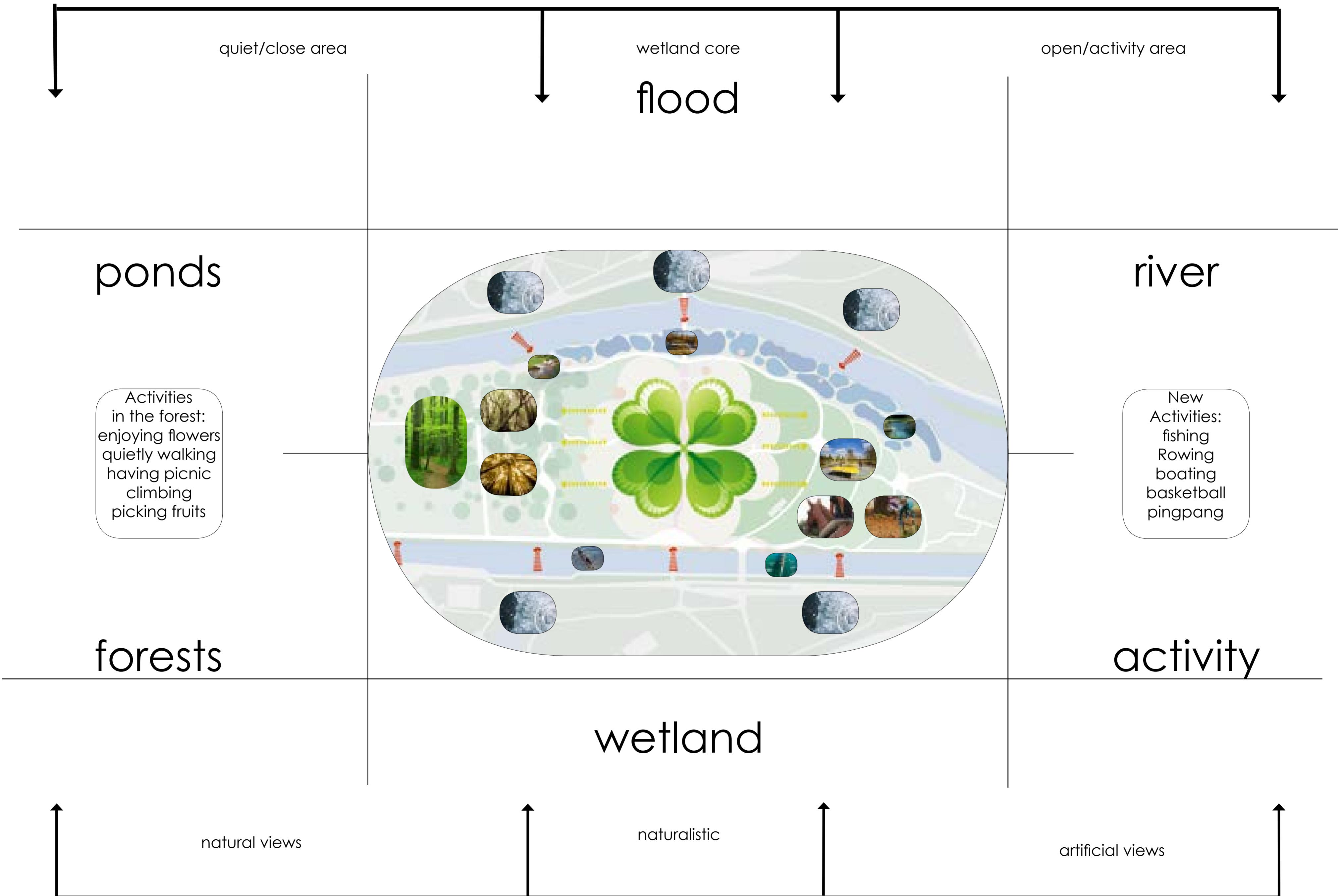
Strength: Location, good accessibility, river view, surrounding landscape, natural forest, grass land.

Weakness: Disordered road system and buildings, influence from car and horse.

Challenge and opportunities: Flood influence, Water level fluctuate, Island landscape, various functions served for different users.

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



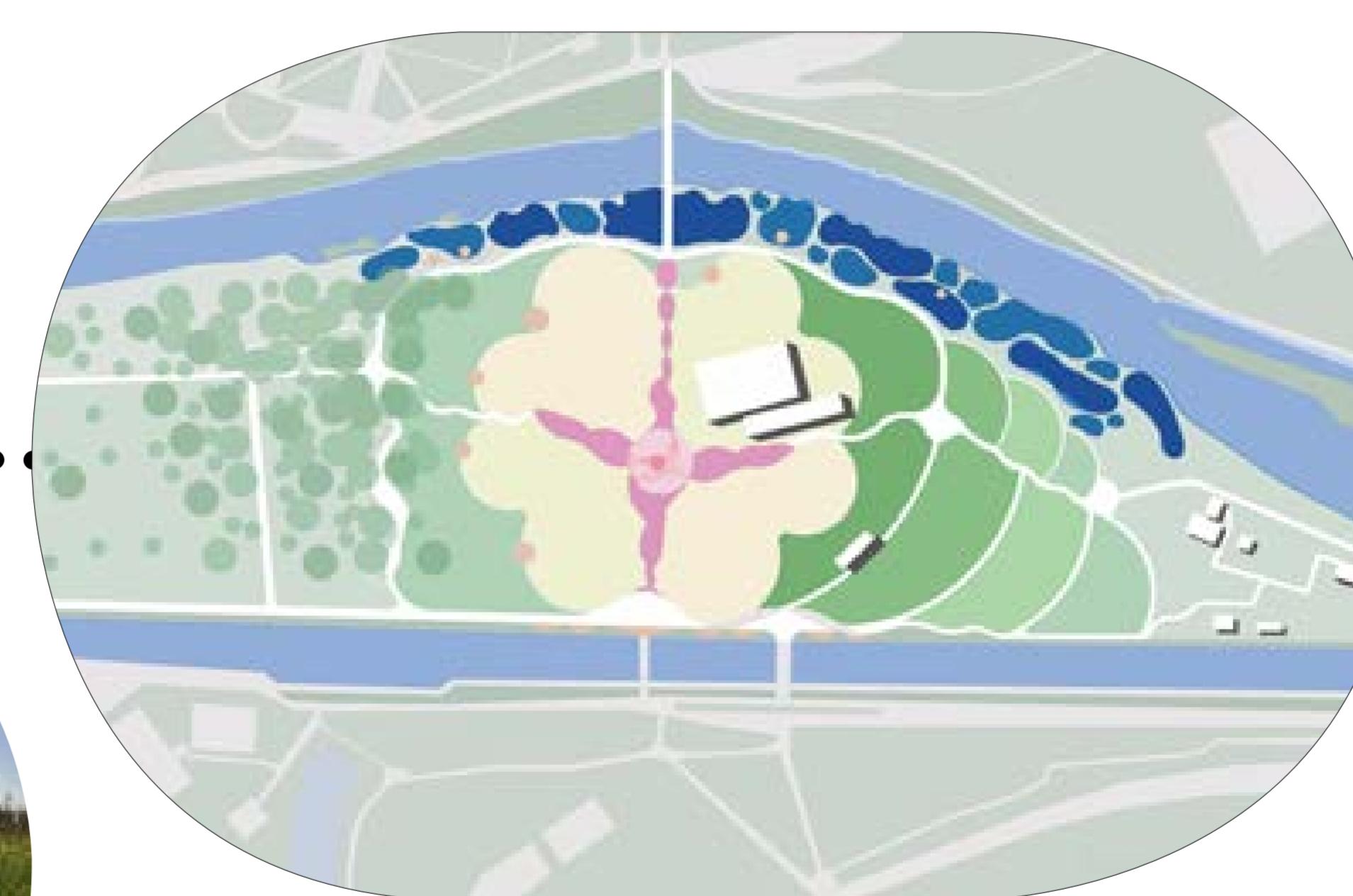
Bridge



abandoned playground



natural forest



green parking



colorful pavement



platform



children game



dog training



horse riding



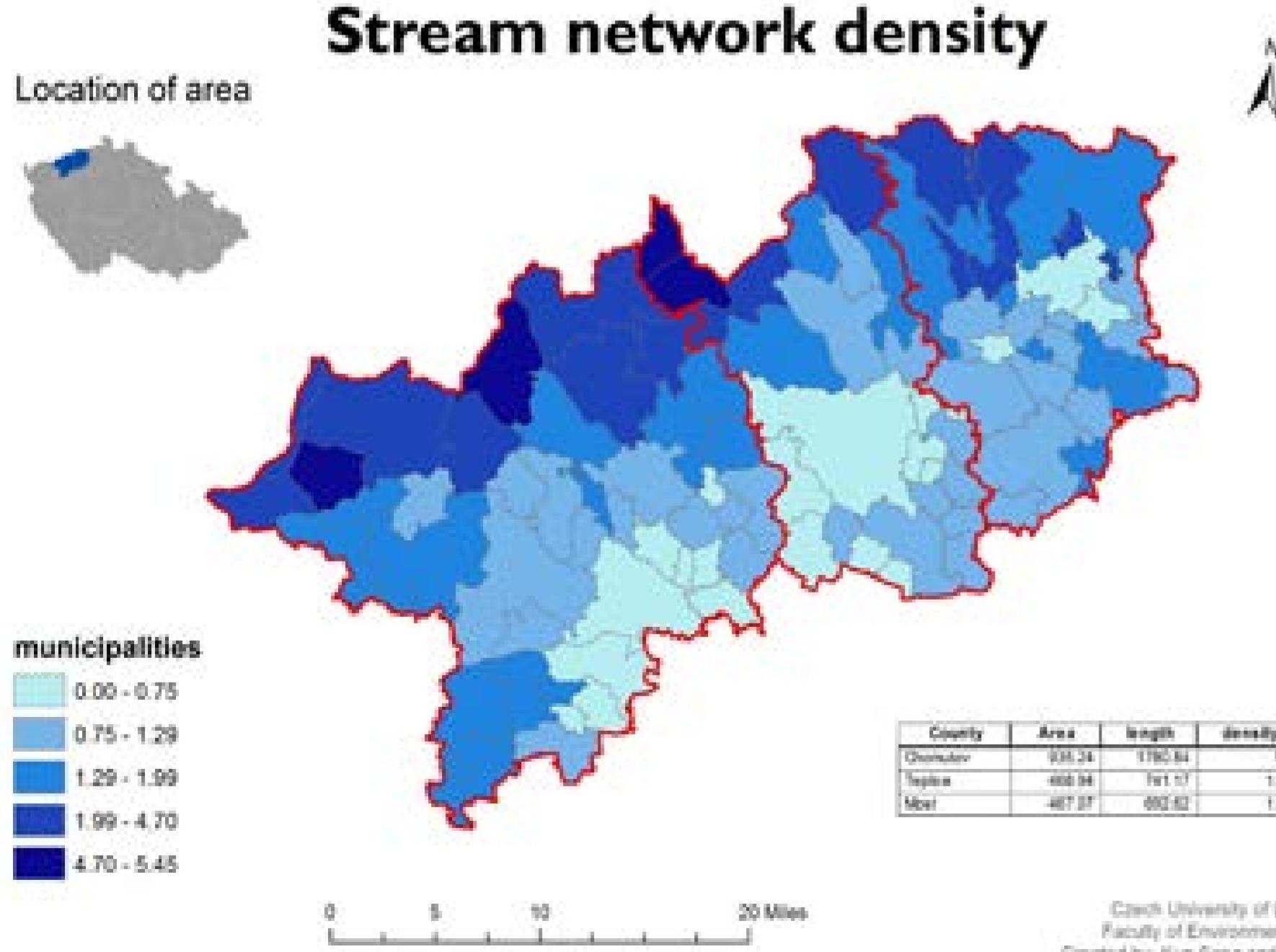
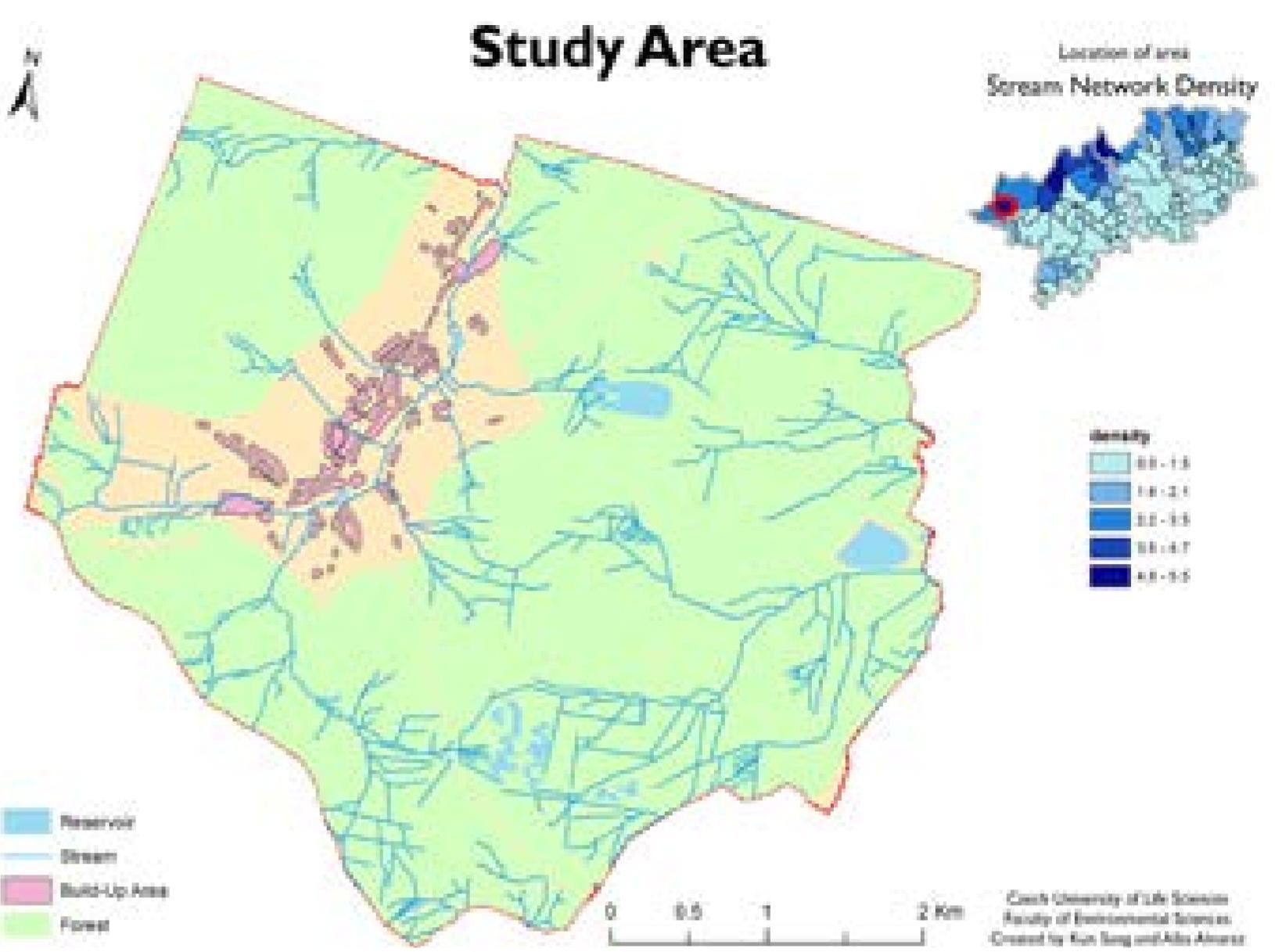
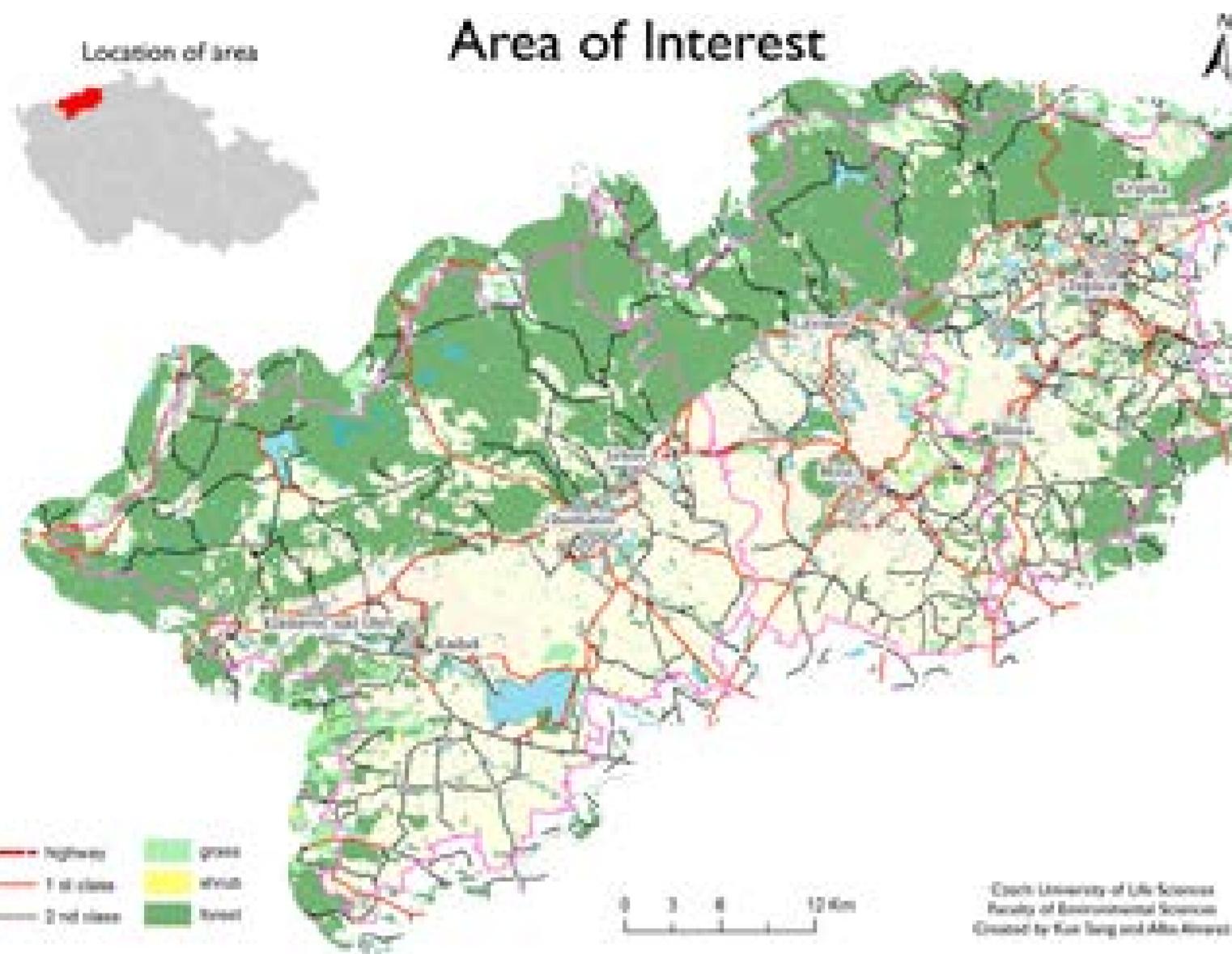
natural shore



After



**Proposals of Mountain
tourism trails**



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.

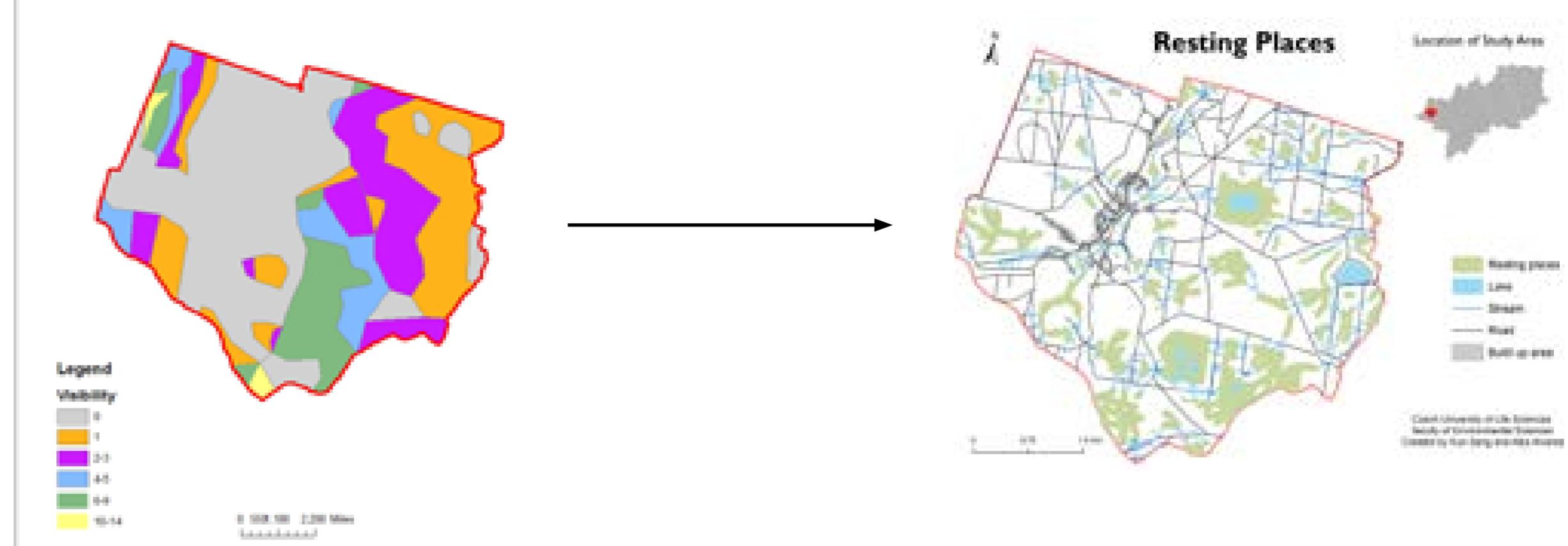
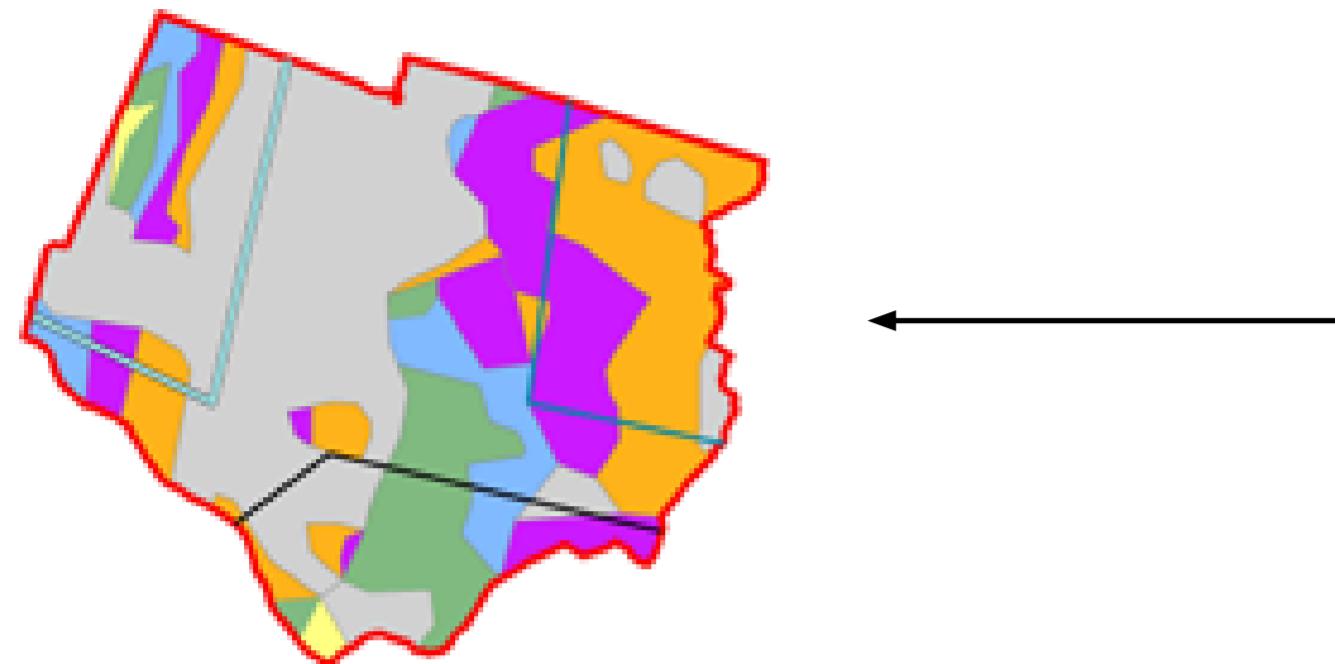
Ore Mountains are famous mountain ranges between Germany and Czech Republic, oriented in a southwest-northeast direction and are about 150 km long and, on average, about 40 km wide, geologically considered to be one of the most heavily researched in the world. This area played an important role with 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 forest 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.



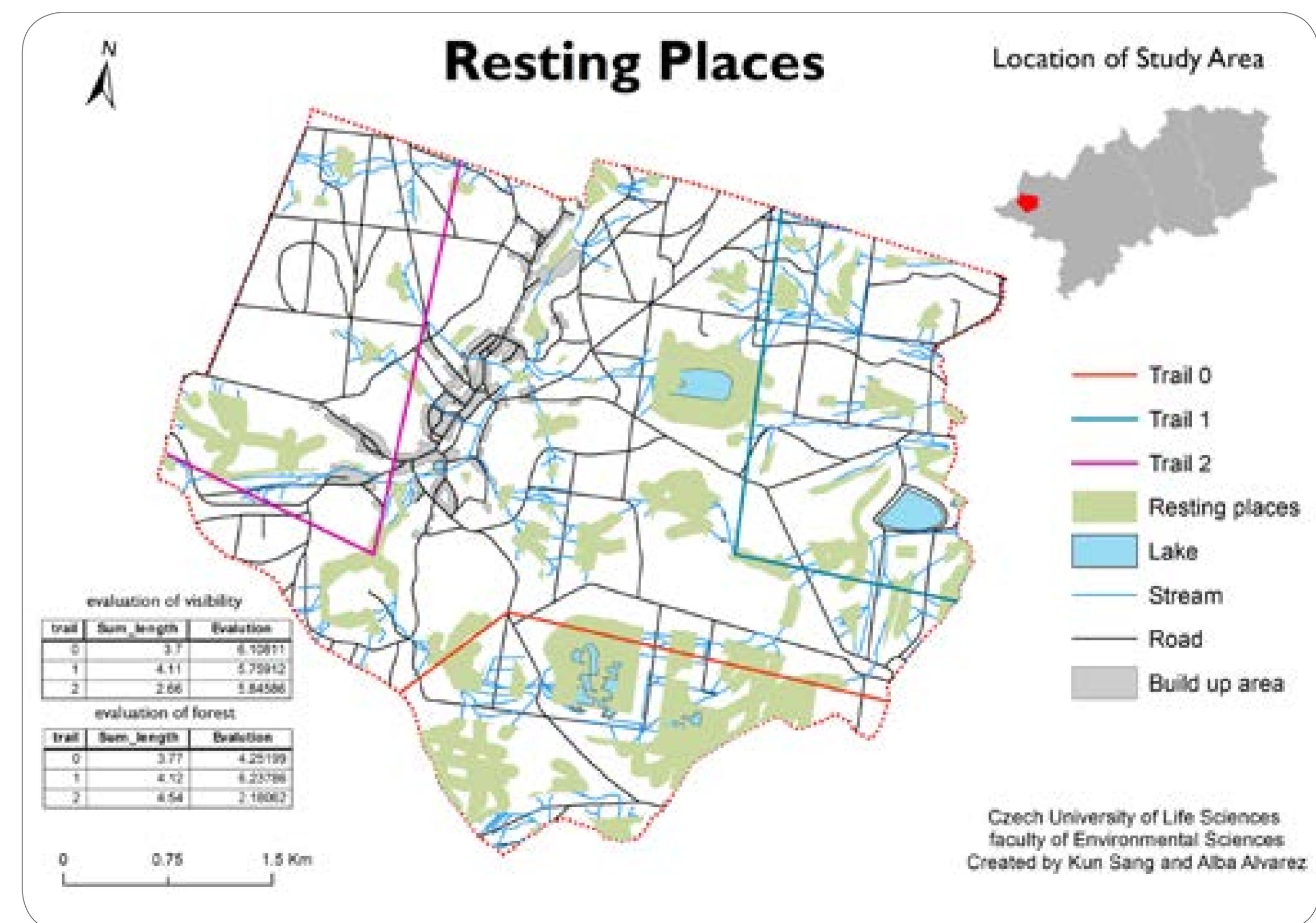
landscapes in the city and mountain



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-ilvoc



landuse around the park

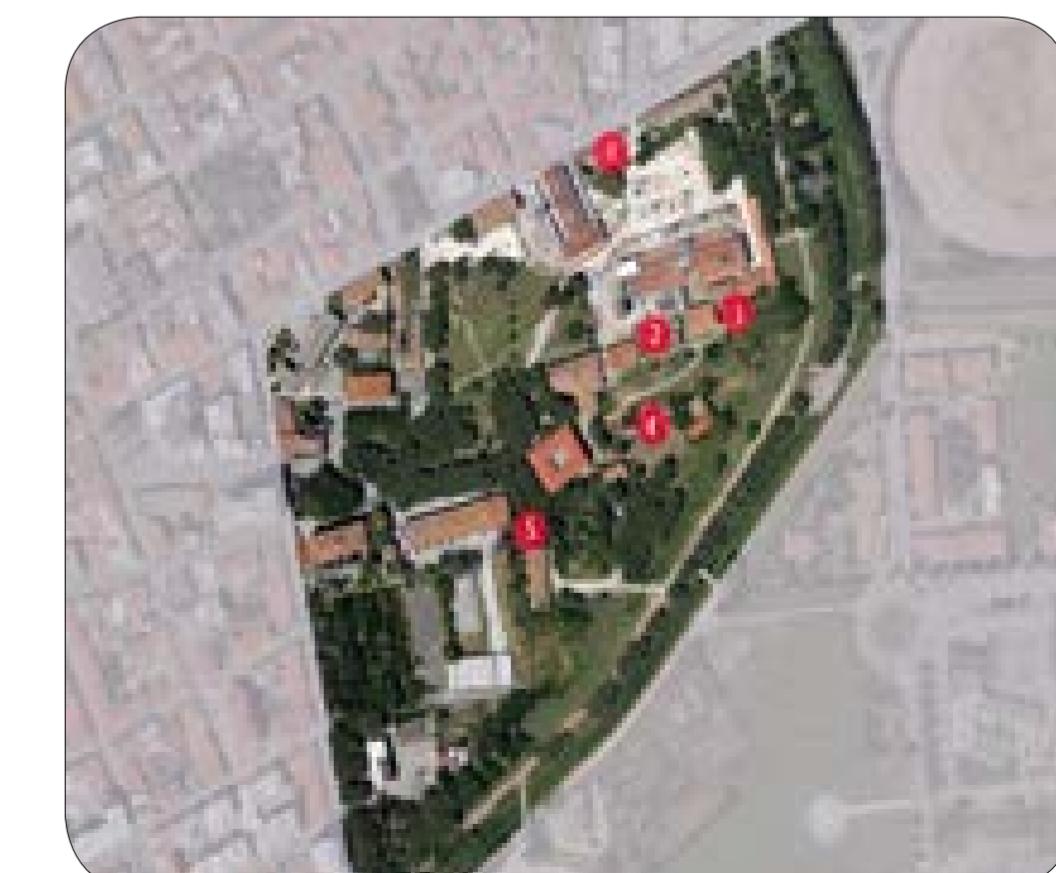
Site Analysis



site of interests in the park

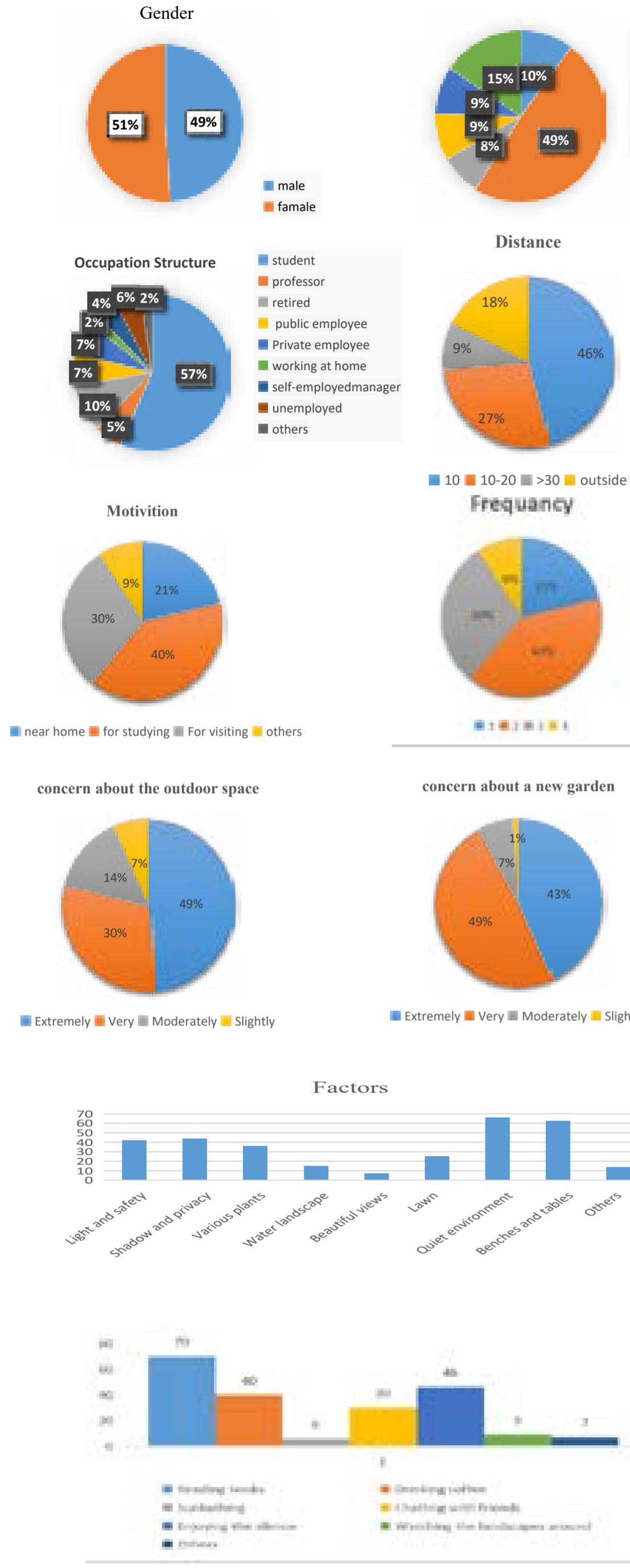


traffic condition



occupation of old buildings

User Analysis



Industry heritage

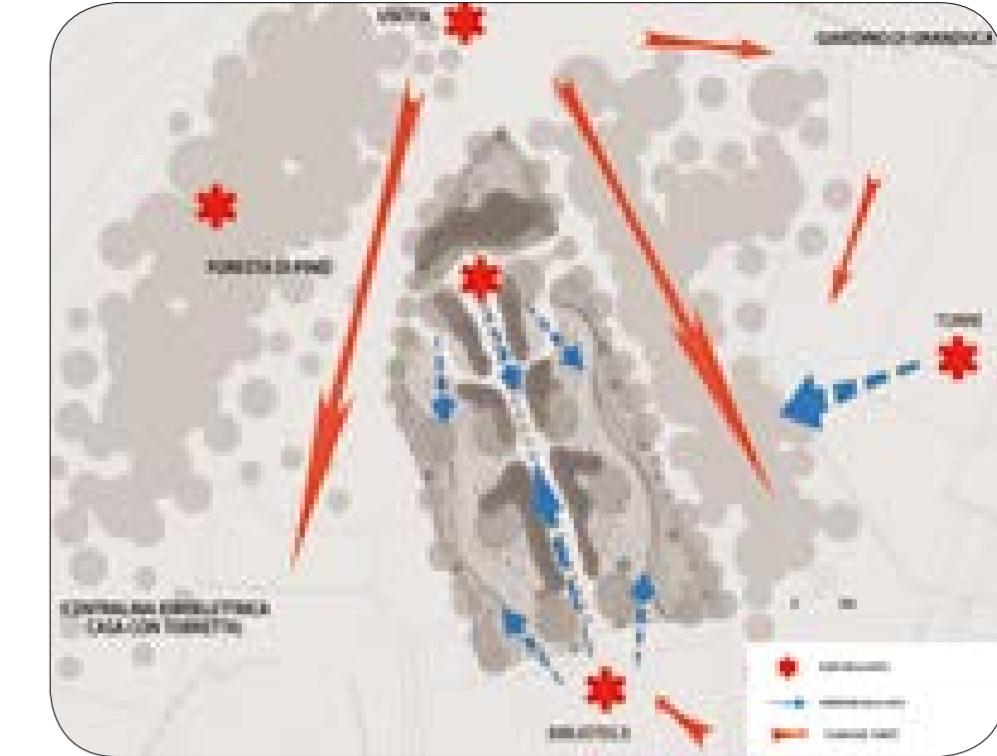
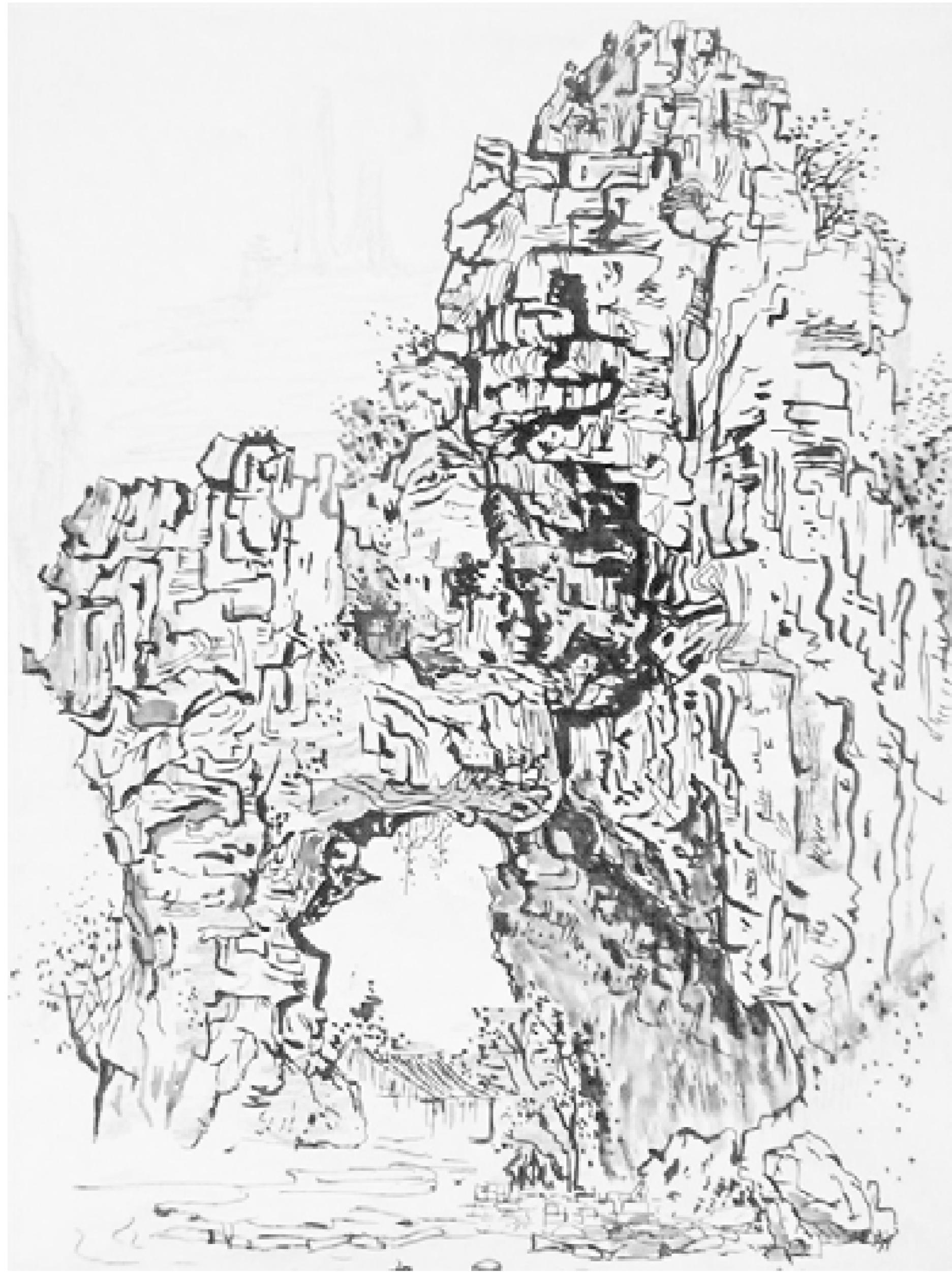


image intentions





Dawei Mountain, Hunan, China

**Other sketch, painting
and activities**



preparing the soil



making the road



modelling the flower bed



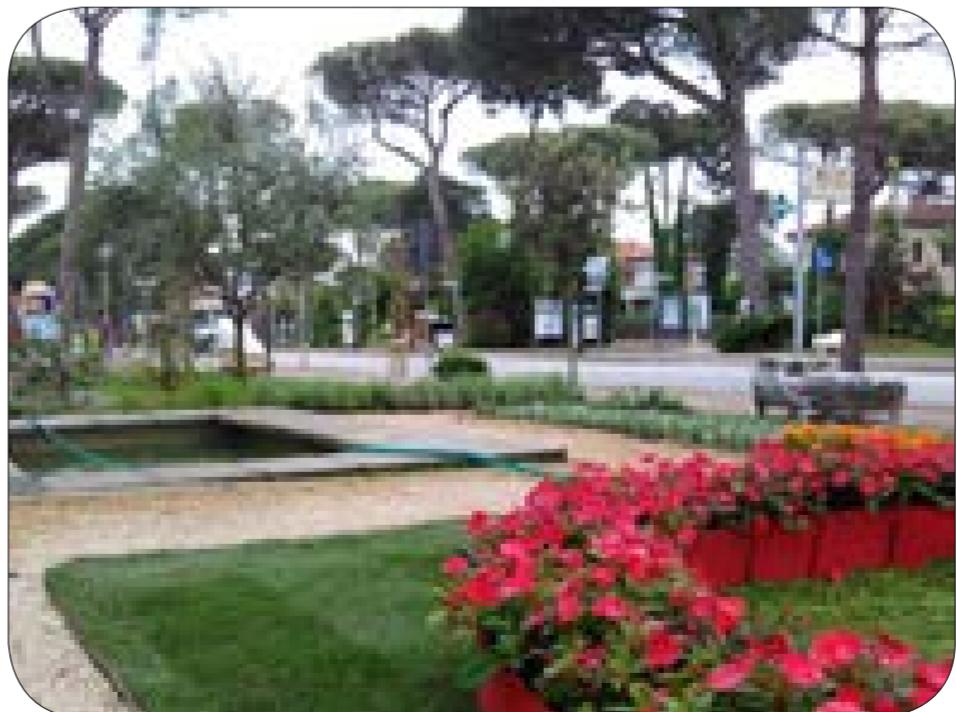
making green wall



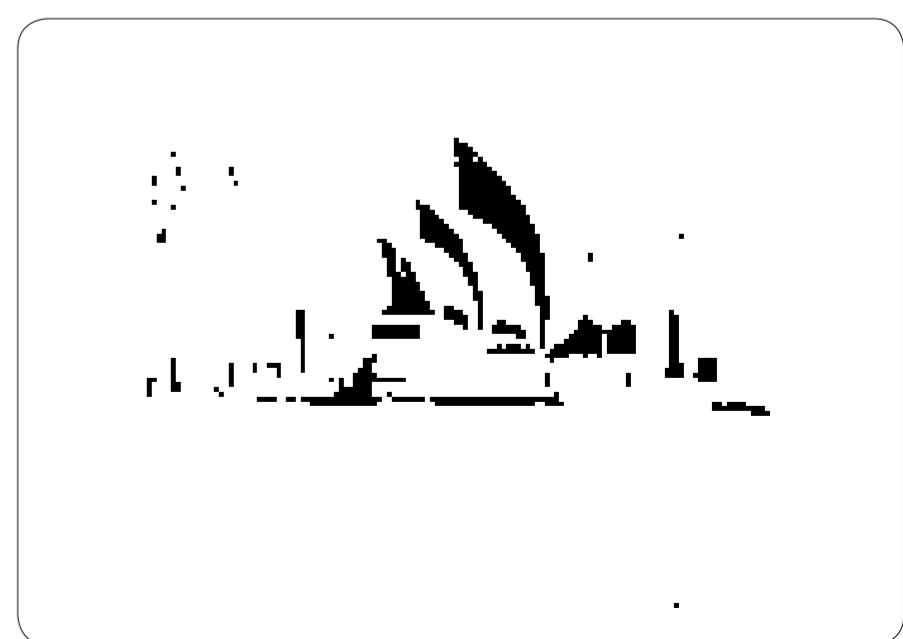
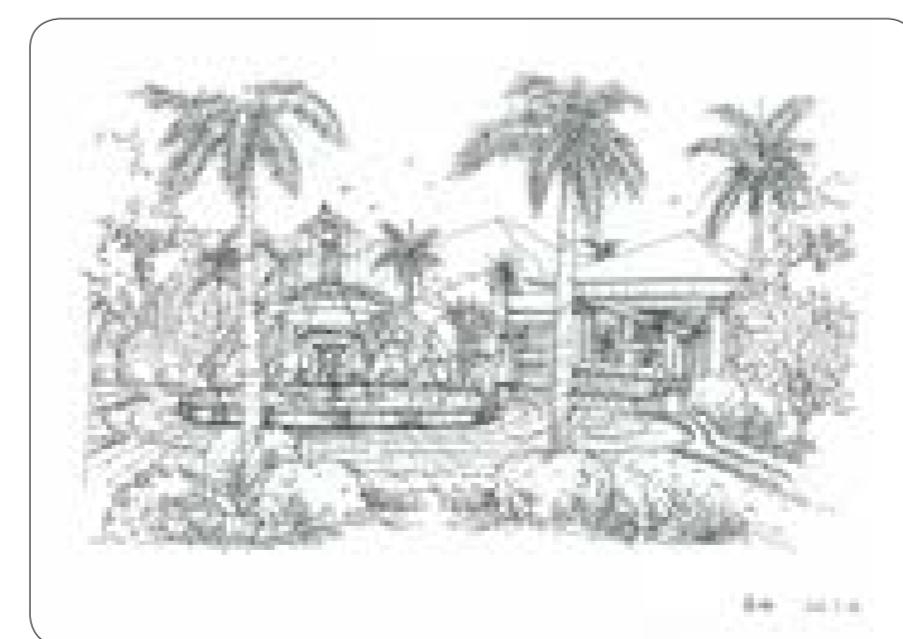
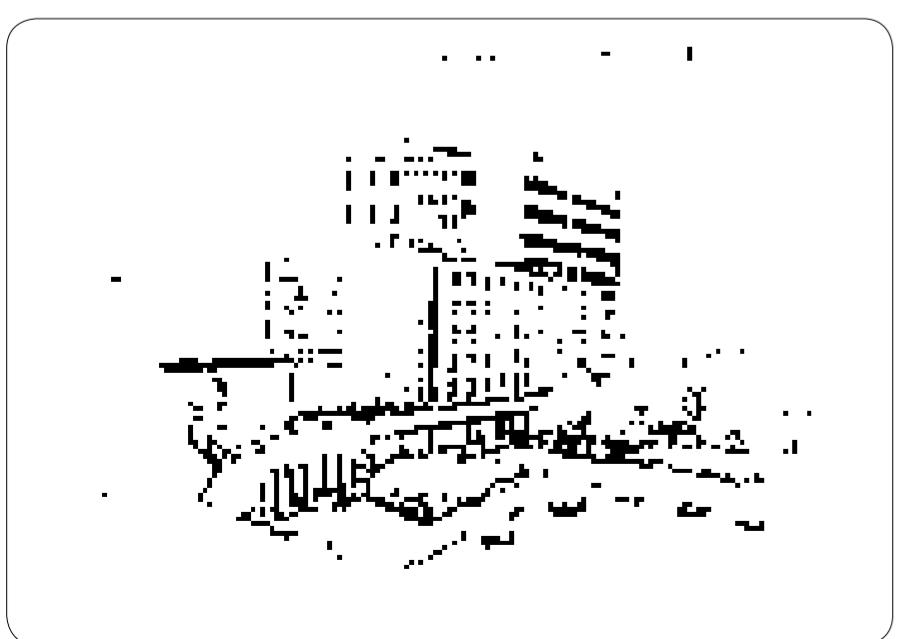
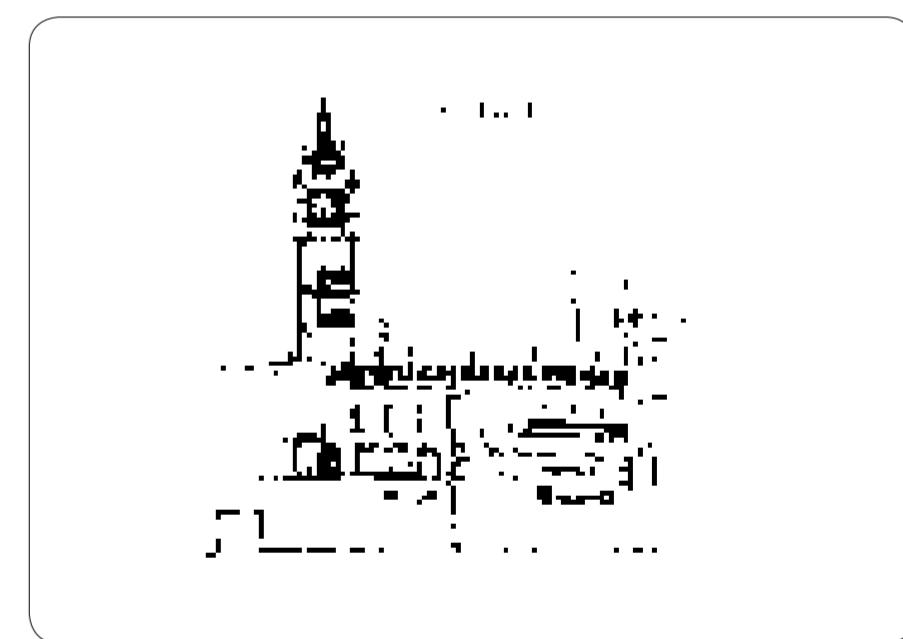
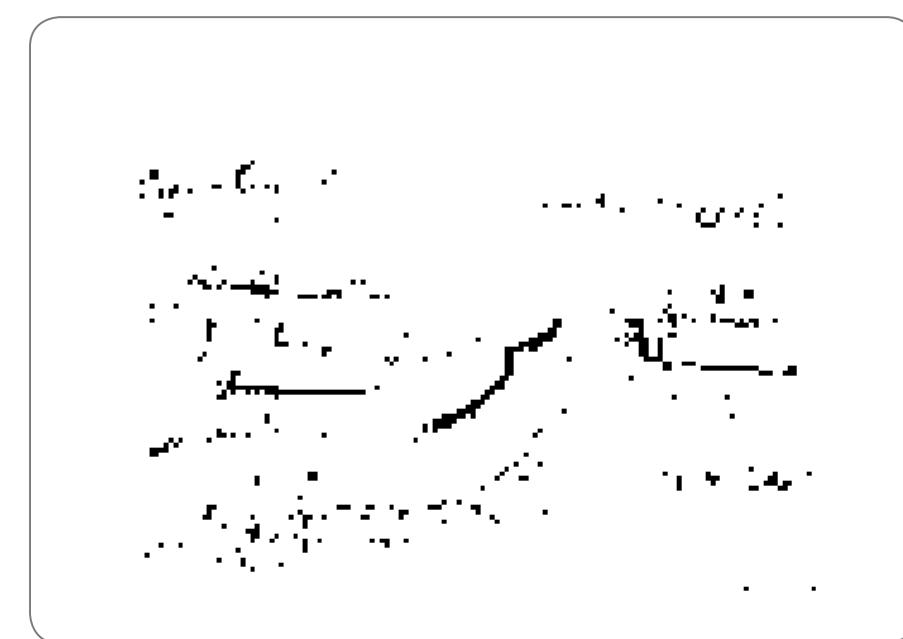
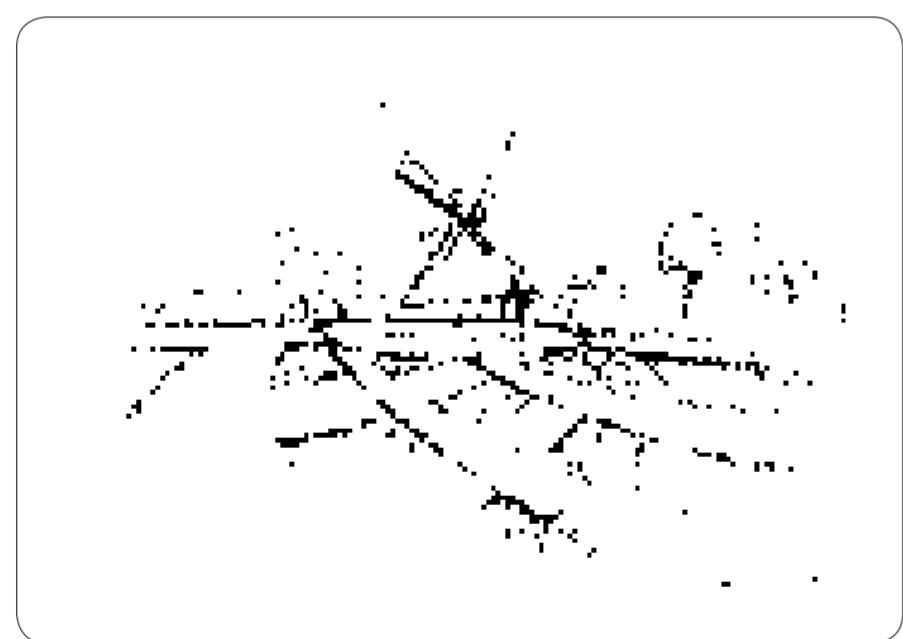
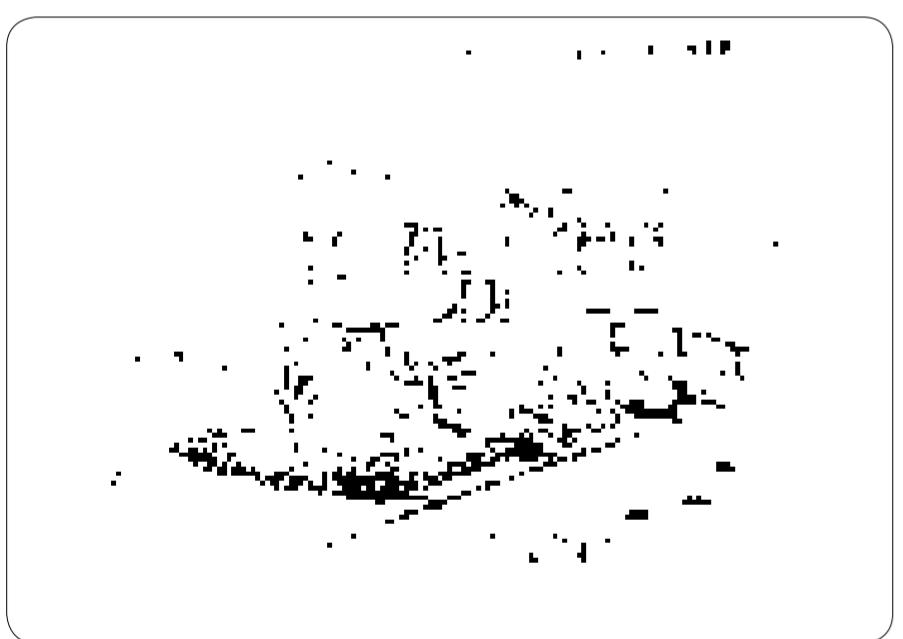
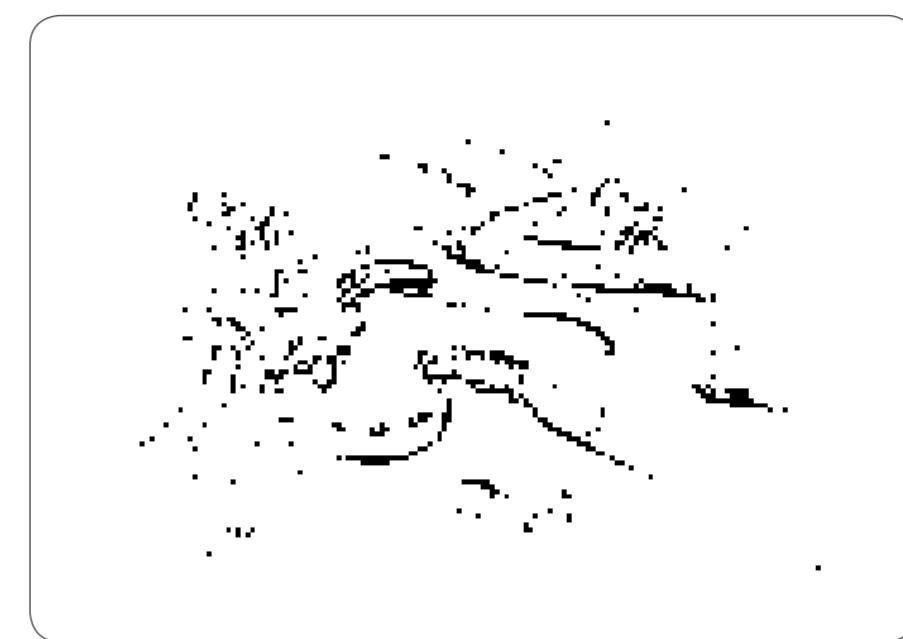
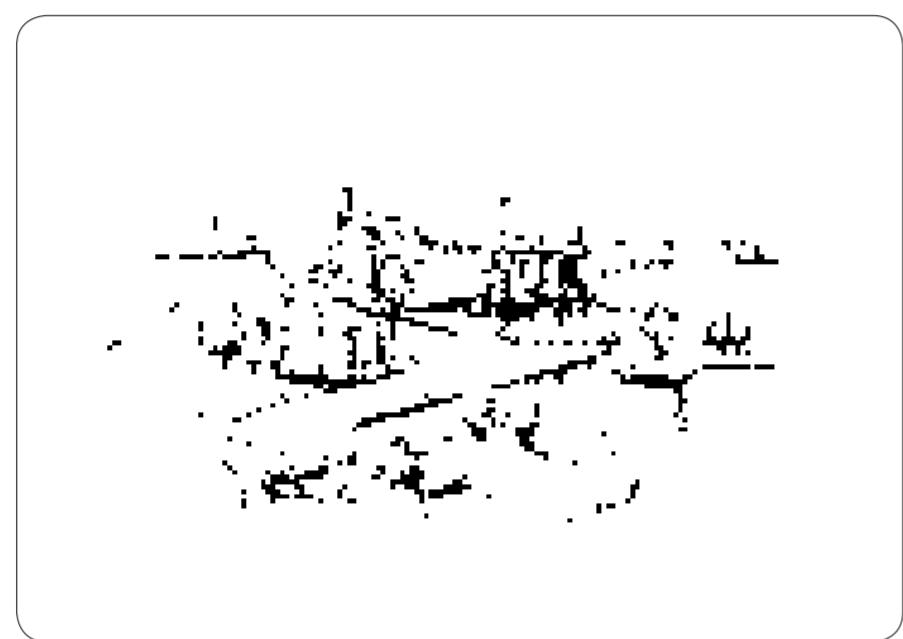
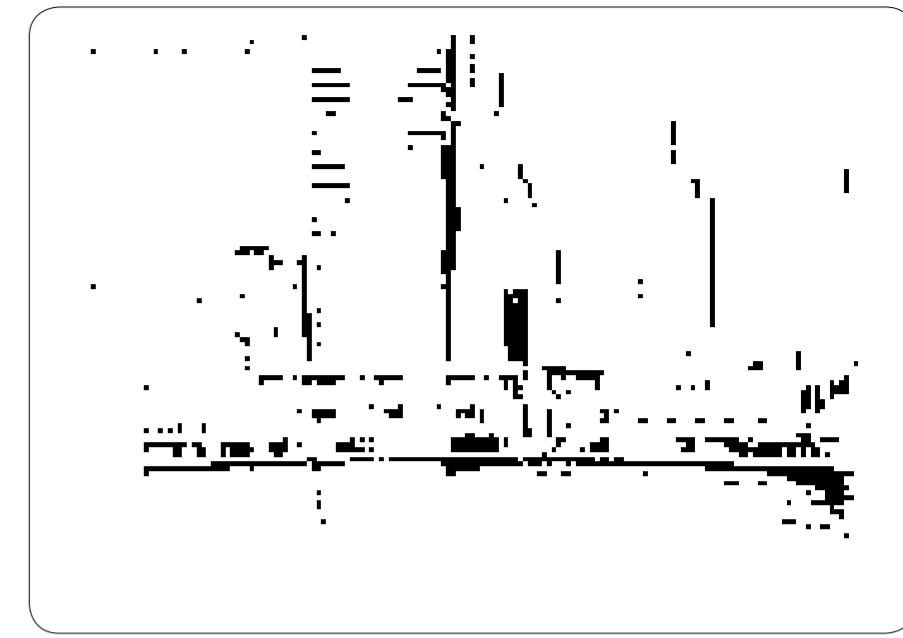
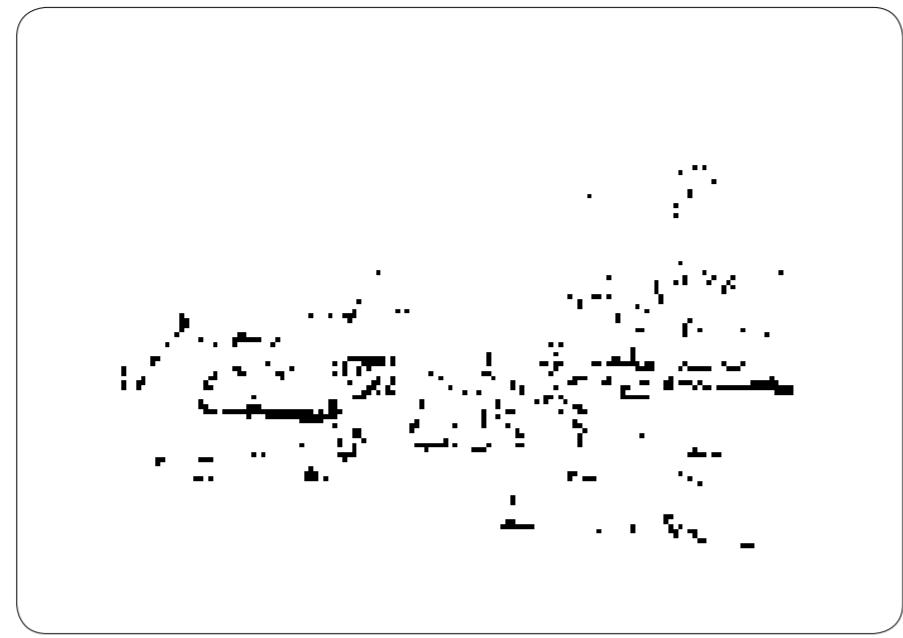
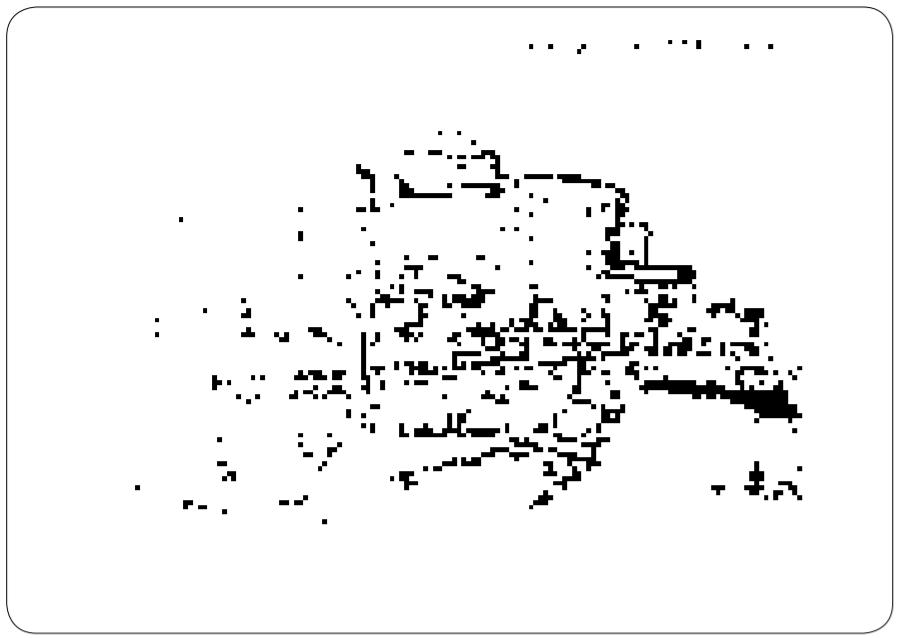
3D Model of the Olimpic Garden

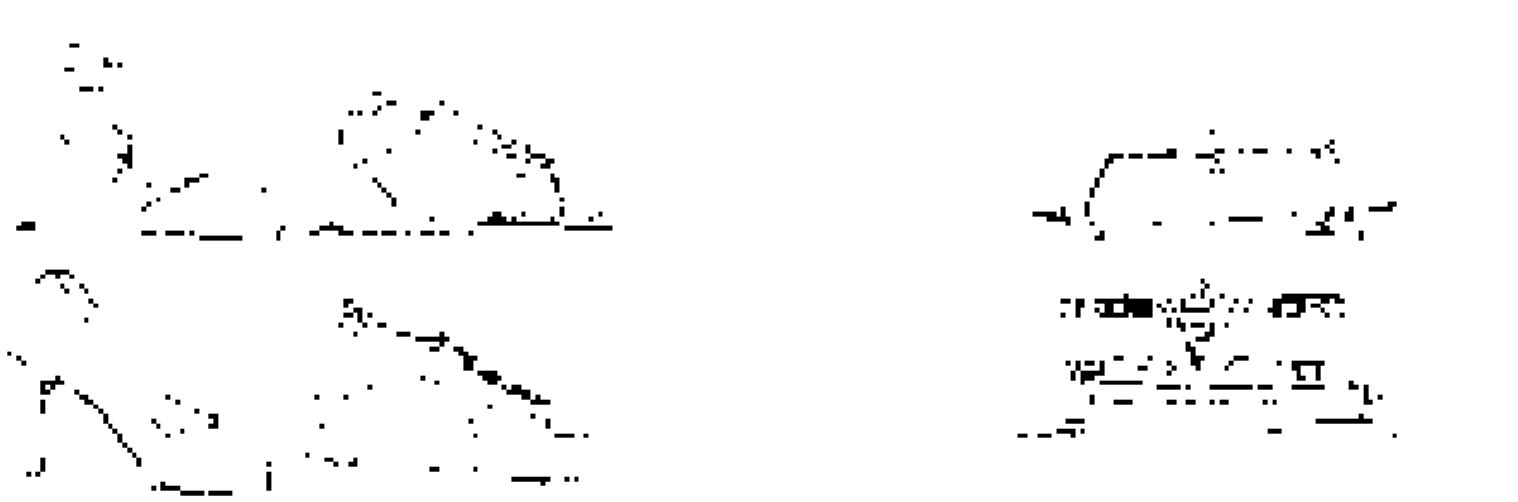
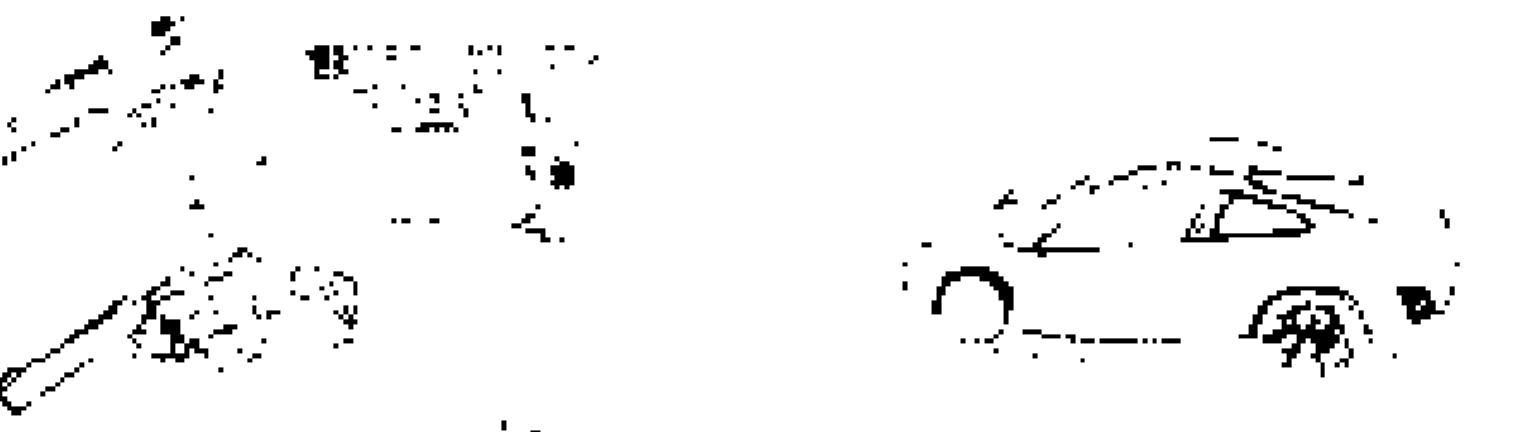
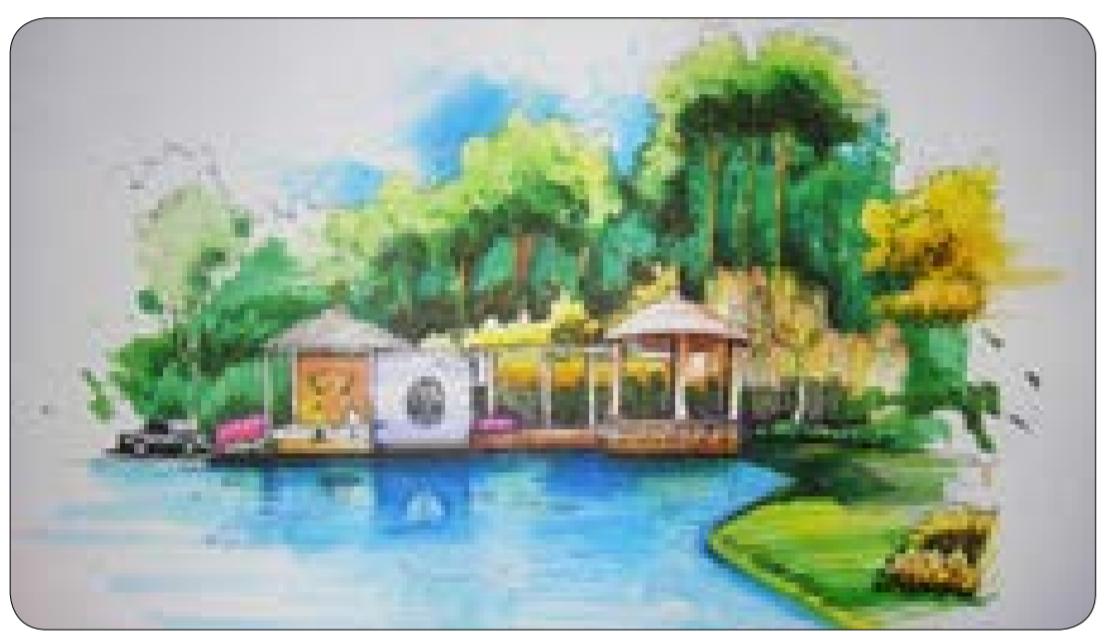
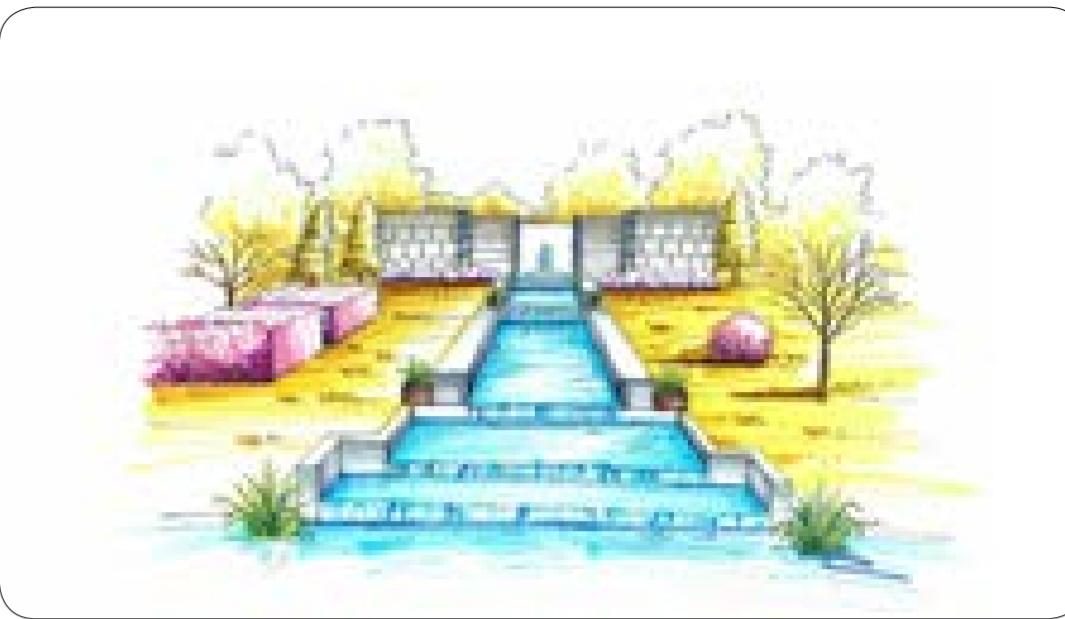
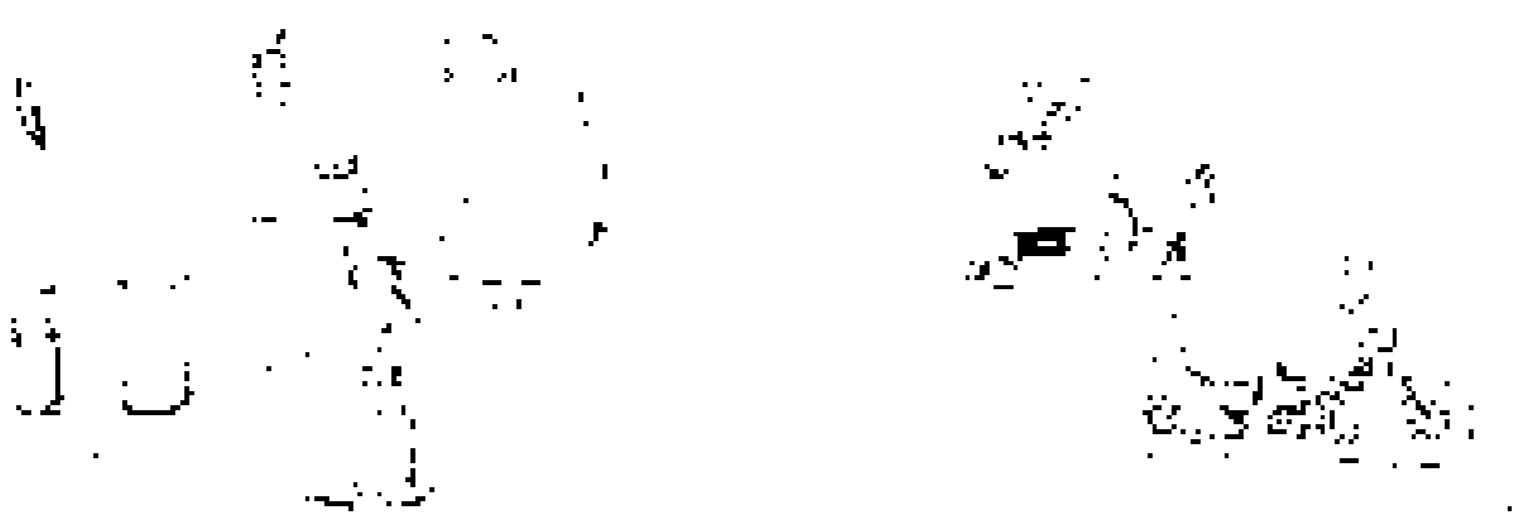
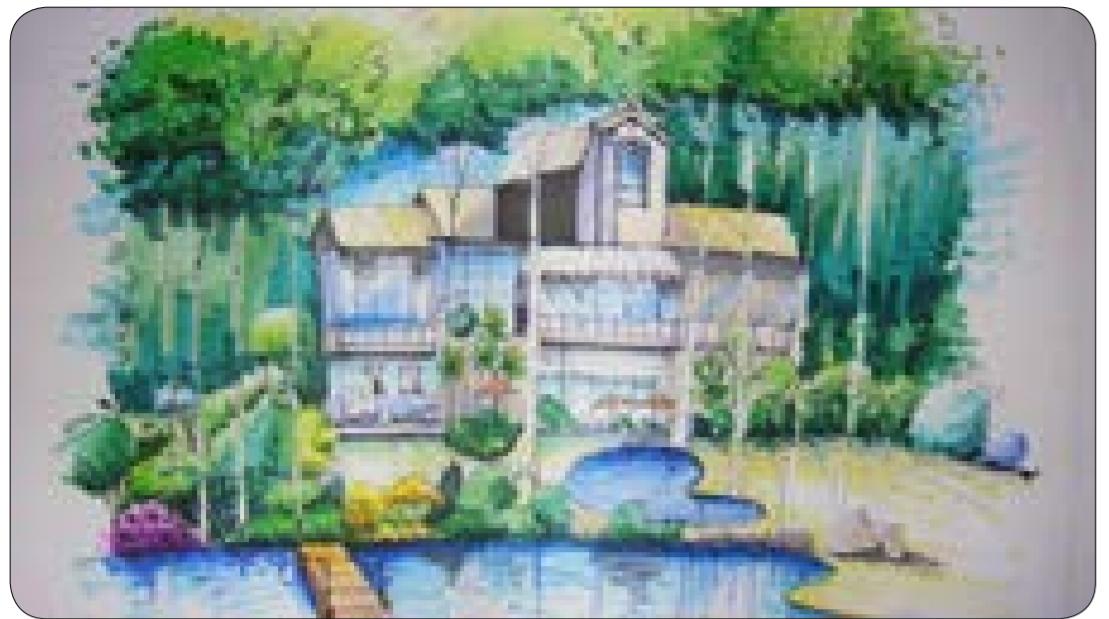


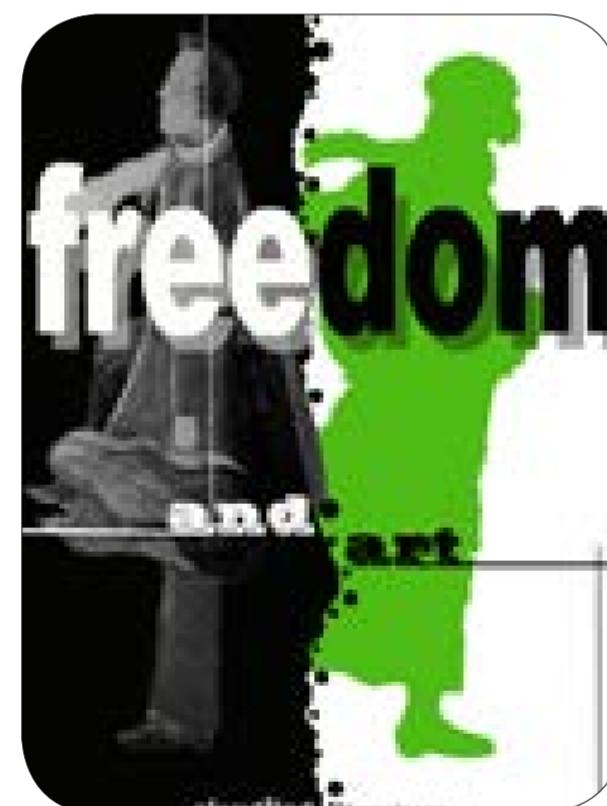
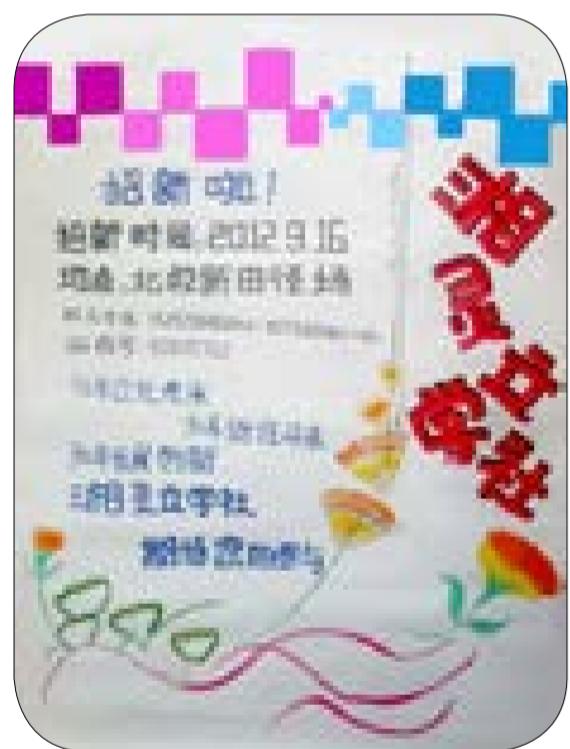
3D Model of the Olimpic Garden



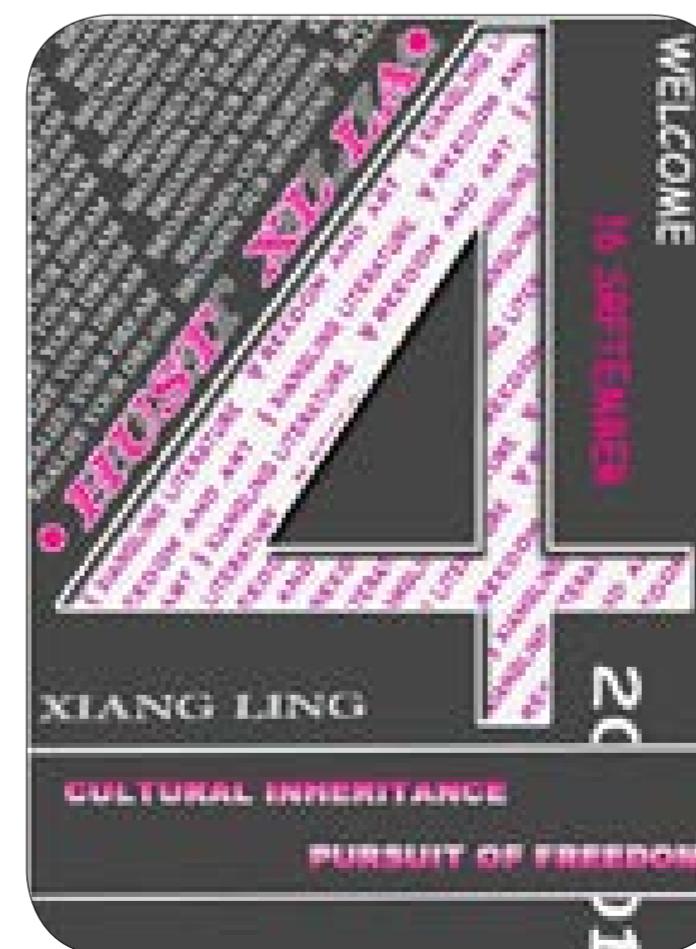
the built olimpic garden







Poster Design
XiangLin Literature





The end

29/12/2016

