



# **Campus town planning**

*Campus town plan*



# Content

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1. Summary of our plan
2. Upper & Relation plans/ Regulations
3. Site Analysis
4. Case Study
5. The objective of our plan(Concept)

| S U M M A R Y

# S u m m a r y

Site Summary **01**

Background of the plan **02**

## Site Summary

Kyeong San, Jillyang, Sang-nim ri whole district  
And Yang gi & Bu-ki ri region

The area of site : 1.7Km<sup>2</sup>

To the right, facing the Daegu Univ.

It's facing left side to Hayang-Ro

To the north, face to face with the Kumho Riv.  
And To the south, Facing the boundaries of  
the Farm Road in the Yanggi-ri



## Background of the plan

Why do we have to make plan?

Ans.

None interaction with Existing residents

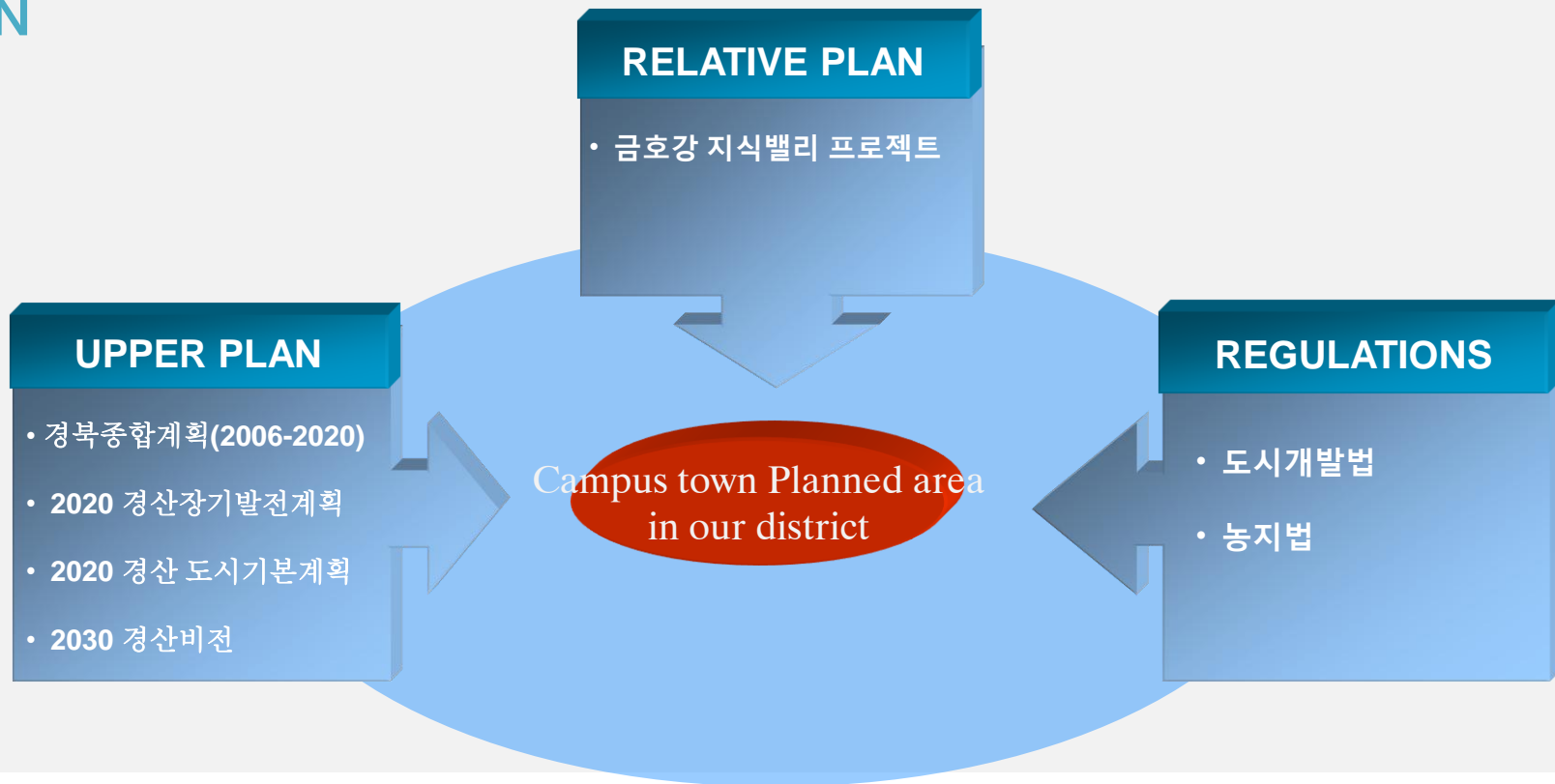
National business plan associated with the river

Fresh out of college and needs for secure housing supply

many local young people lack of access to cultural

| U P P E R &  
R E L A T E D  
P L A N

## PLAN





# U P P E R P I a n

경북종합계획(2006 - 2020) 01

2020 경산 장기발전계획 02

2020 경산도시기본계획 03

2030 Kyeong-San Vision 04

## Kyeong-Buk master plan <경북종합계획> (2006 – 2020)

Objective : Beautiful & clean environment

Strategy : Cultural & tourism district development

***Task of Kyeong- San - Cultural, tourism and Sport infrastructure expansion  
- Education & Research city***

→ Follow this plan, make culture & physical education space  
And, make a campus(college)town!

## 2020 Kyeong-San longrange plan <경산장기발전계획>

Objective : School & Research city And Comfortable & safe city

Strategy : Knowledge-sharing of Knowledge-based society

Development strategy Specialization using the University

***Task of Kyeong- San : Creation Elegant Culture And Make a “Education city”***

**Follow this plan, make for University culture space  
And, make a campus(college)town!**

## 2020 Kyeong-San master plan <경산도시기본계획>

Objective : Make a school · research city

Strategy : International education · research city Composition

Culture and Arts conditions maintenance on the image to fit the college town

***Task of Kyeong- San - Education interaction with residents of region***

***- Developing Green city***

**Follow this plan, make a campus(college)town!**

**And Composition eco-city with river**

## 2030 Kyeong-San Vision

Objective : Global campus city.

Strategy : Regional development strategy (Ha-yang eup)

***Task of Kyeong- San : campus theme park Composition***

 **Follow this plan, make a campus with culture facility!**



# R P

e | a t e d  
| a n

GeumHo RIV. Knowledge Valley project 01

## GeumHo RIV. Knowledge valley Project

Objective : Education & Research city

Strategy : College town Composition plan, World University Federation plan

***Task of Kyeong- San : Between universities Networking system***

 **Follow this plan, University union with regional people!**



# Regulations

Urban development Act 01

The agricultural Land Act 02



## Urban development Act

### Article 4. Urban development zoning

**Who?**  
**Mayor/ Governor/ Minister**

Green Area

**What?**  
**Area criterion**

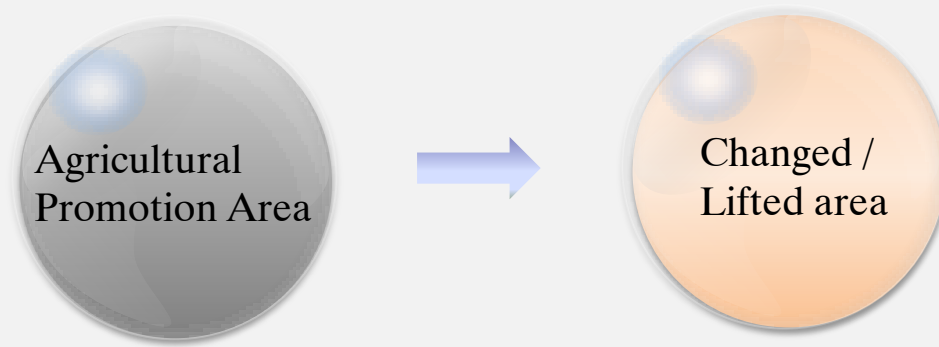
- Green area for production  
: More than 10,000m<sup>2</sup>
- Natural green area  
: More than 10,000m<sup>2</sup>



from green zone to Urban Development Project Area by Urban Development Act  
Target year : 2032 (for 20years)

## The agricultural Land Act

### Article 31. Changing Agricultural promotion Area and termination



Possible by the Mayor or the Governor

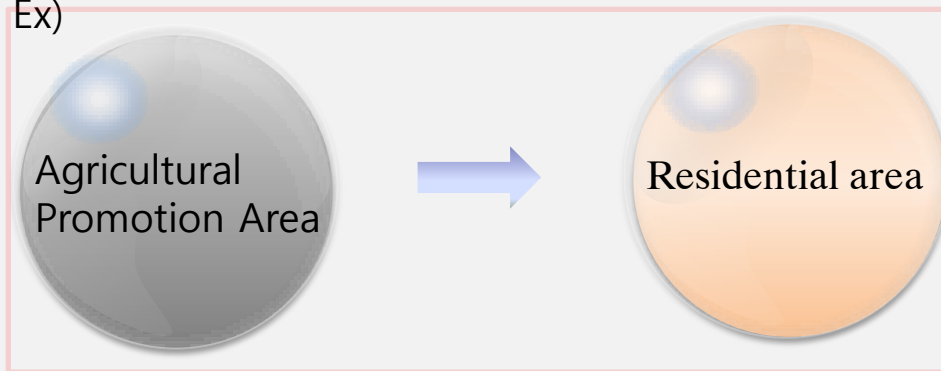
By turning off the green area may be used for other purposes

## The agricultural Land Act

### Article 34.

### Changing Agricultural promotion Area and termination

Ex)



By Land Planning and Utilization Act,  
Farmland in Urban areas or  
Plan Management Area

Permission by Minister of Agriculture,  
Fisheries and Food

**CHANGE** Purpose!

After change zoning, we will assign Planned area for development

| SITE  
ANALYSIS

# S I T E A N A L Y S I S

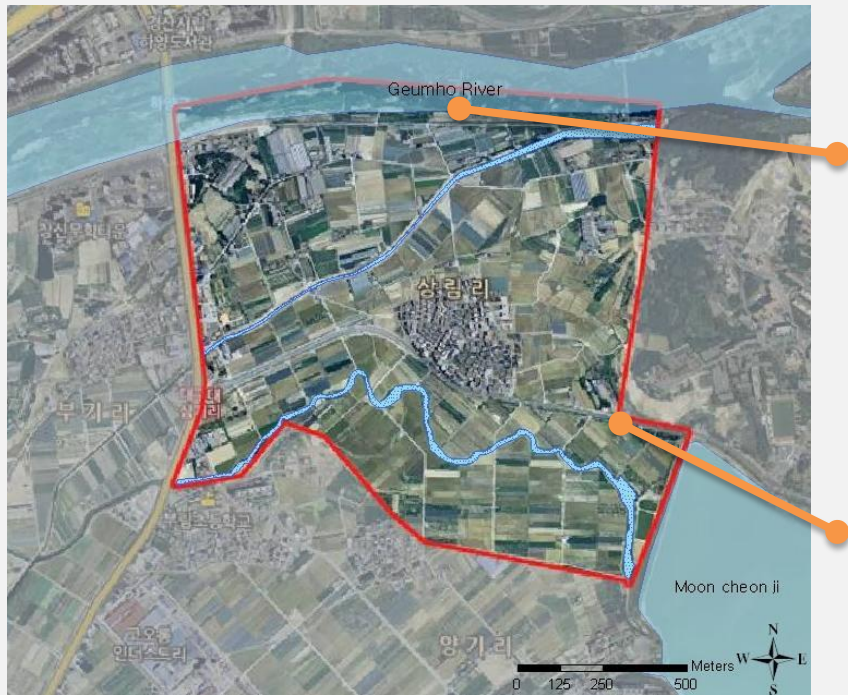
Present conditions 01

Physical / Unphysical 02

Social & economy 03

Problems 04

## Present conditions

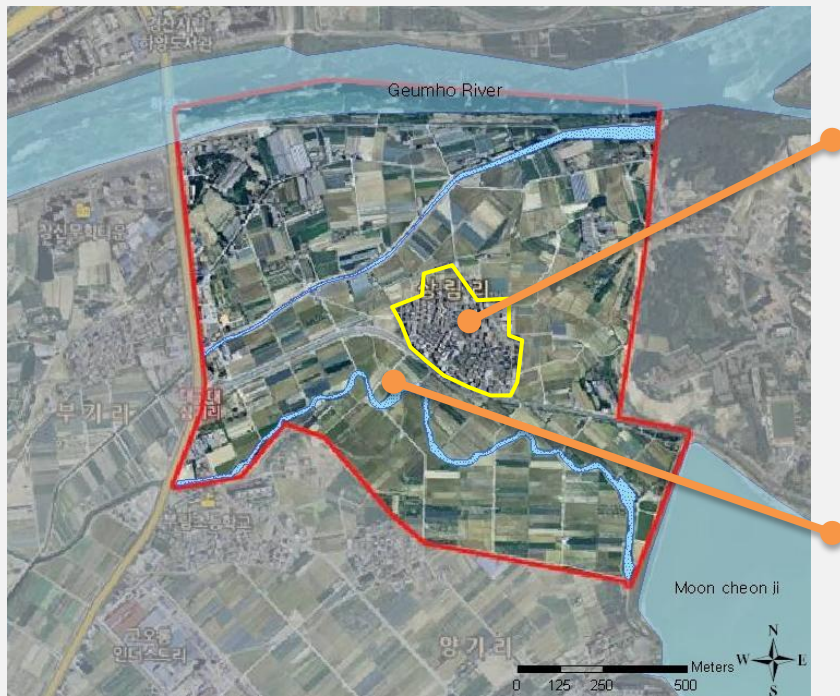


- Straighten river:  
**Break a Biotop**
- We don't want concrete  
*New Biotop composition  
ecological education places*



- Extension of the existing road
- Planned future expansion

## Present conditions



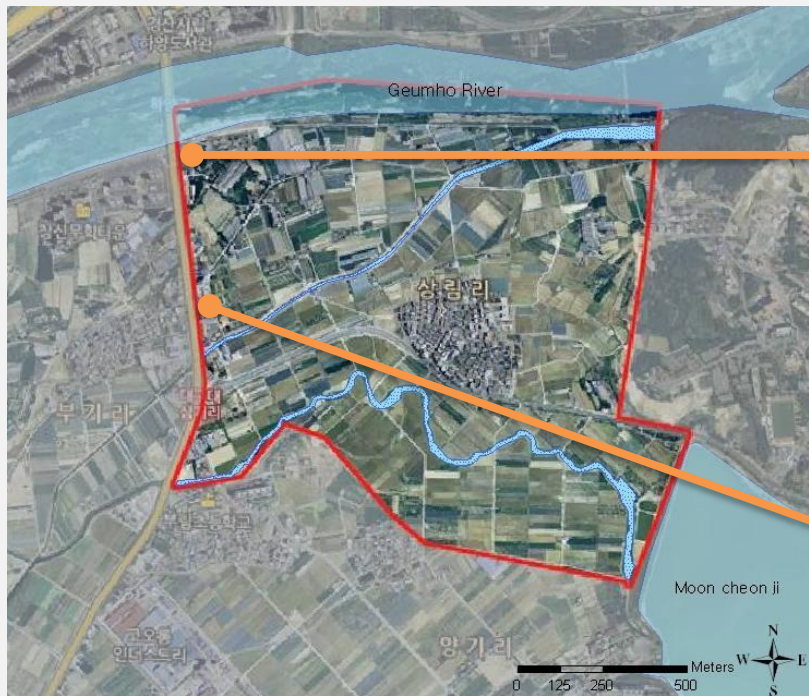
- The existing Villages
- It consist of oneroom
- Have roadway problem
- We'll demolish sangnim



- Most of agricultural land
- We don't preserve here
- Urban Development Area

*New houses are provided area*

## Present conditions



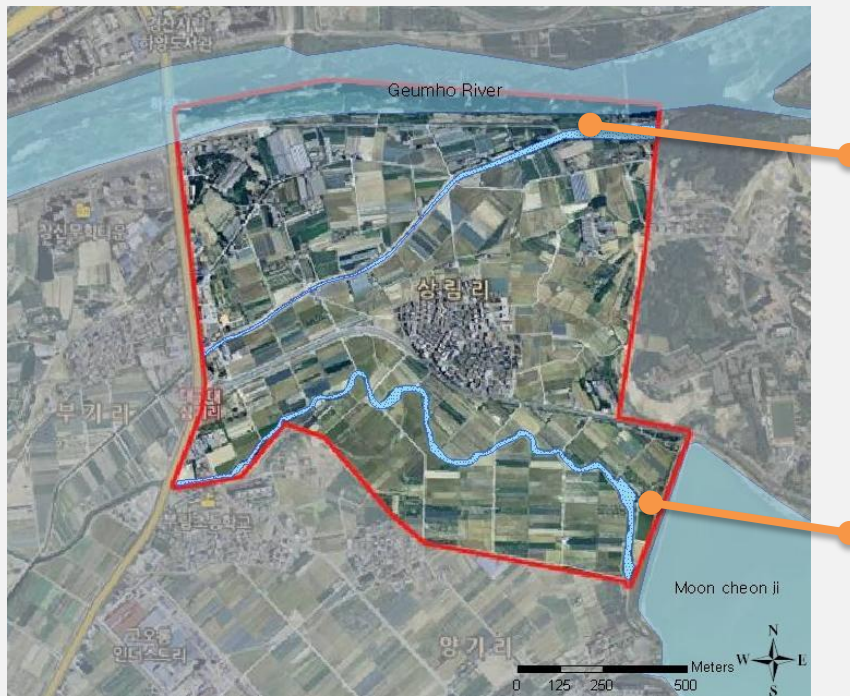
- We don't touch here
- Here is relevant car facility
- Difficult to change the zoning



- Some commercial areas
- We'll be reorganized here



## Present conditions



- Waterway is preserved
- Use of water front with RIV.
- Waterfront promenade  
and bike paths linking



- water sports facilities
- With MunCheonJi

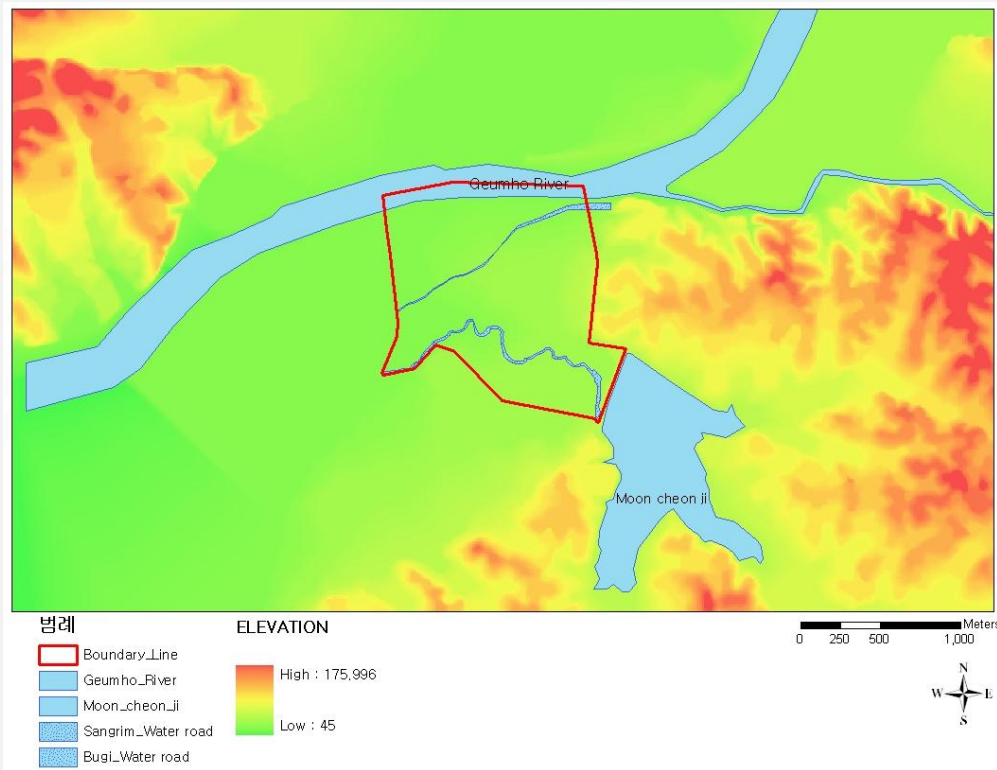
Physical / Unphysical

## Elevation

Low altitude within all areas designation

Designation within the boundaries,

land less than 100m above sea level



• Low level elevation, Easier development

Physical / Unphysical

## Slope

Destination overall, is flat with no slope

Development is good because it is less than 5 %



범례

- Boundary\_Line
- Geumho\_River
- Moon\_cheon\_il
- Sangrim\_Water road
- Bugi\_Water road

SLOPE

- 5°미만-개발양호
- 5°~10°미만-개발가능
- 10°이상-개발부적합

0 250 500 1,000 Meters



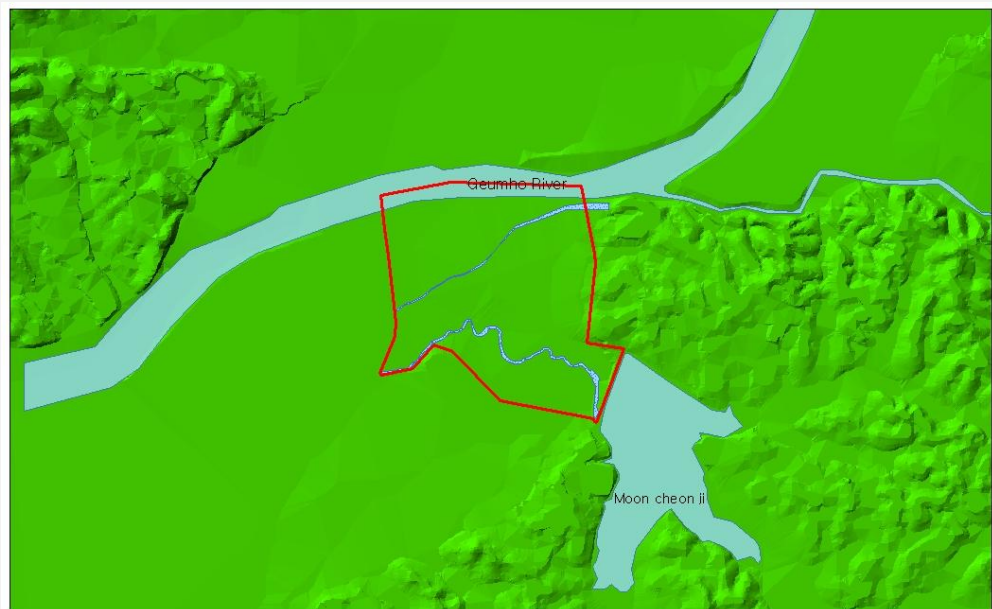
- There isn't a problem in the development of flat terrain

Physical / Unphysical

## Water system

Designation upward flow Geumho RIV.

Where the boundary dividing land designation  
is muncheon Reservoir



범례

- Boundary\_Line
- Geumho\_River
- Moon\_cheon\_ji
- Sangrim\_Water road
- Bugi\_Water road

0 250 500 1,000 Meters



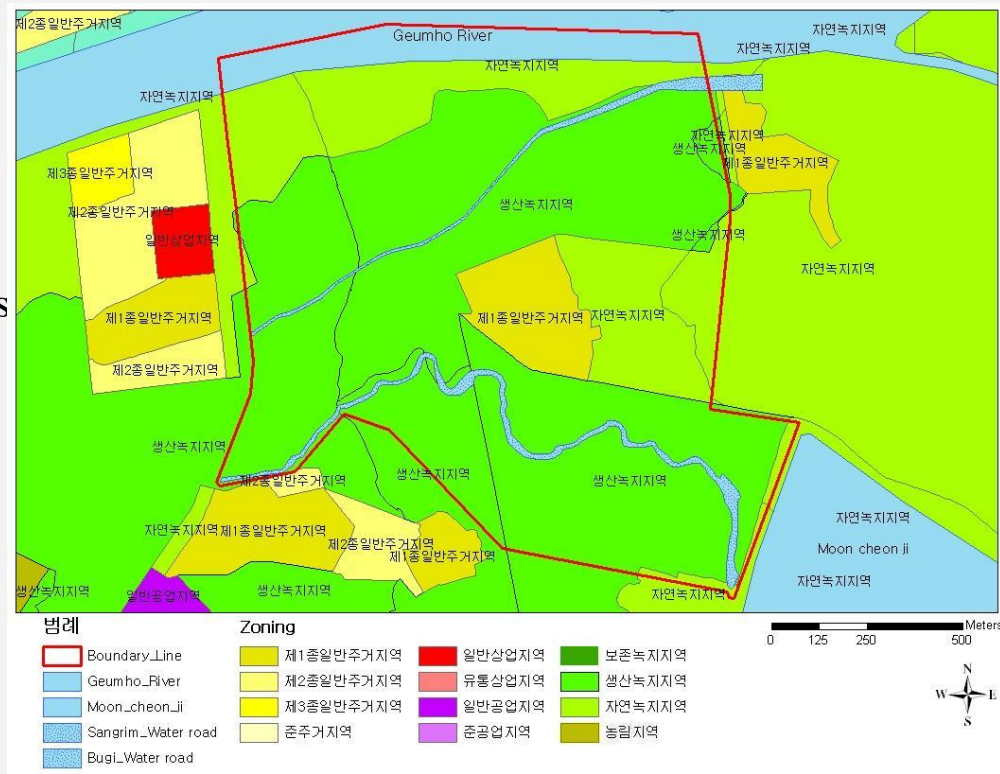
- Protect water resources as possible

Physical / Unphysical

# Zoning

Most of the purposes area, green area  
 Designation in the part, 1 kinds of residential us  
 The presence of a small commercial around

• Most green areas, after urban development zoning is changed to development Planned area

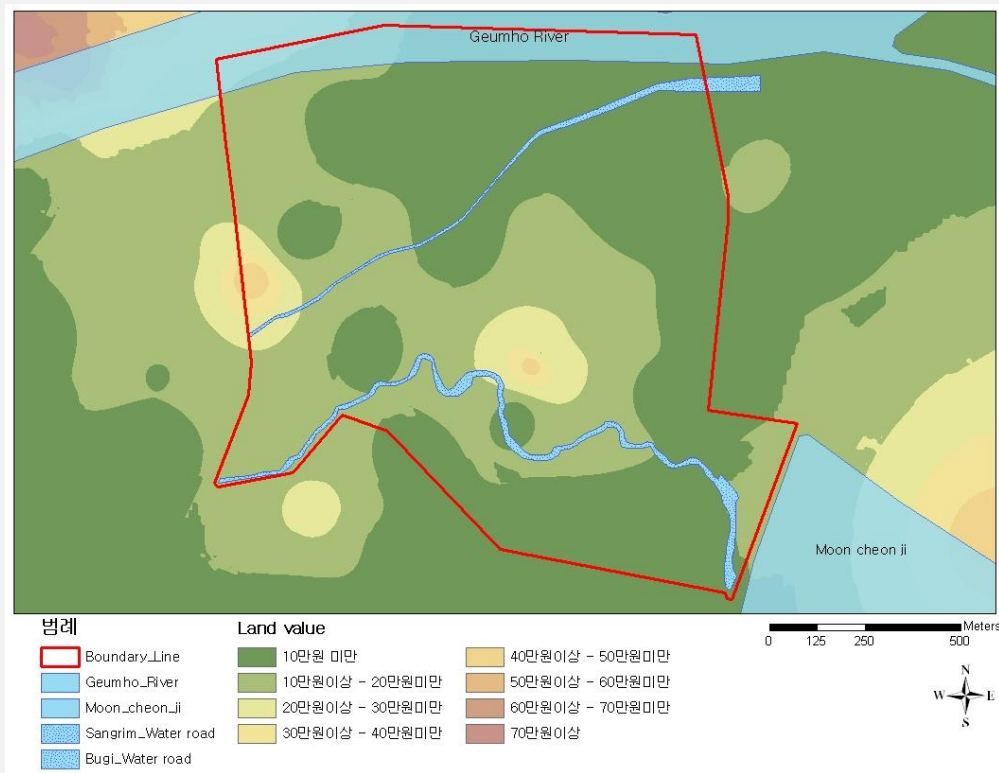


Physical / Unphysical

## Land value

Most of the land price is low than 200,000 won

Some areas are formed 300,000 ~ 400,000 won



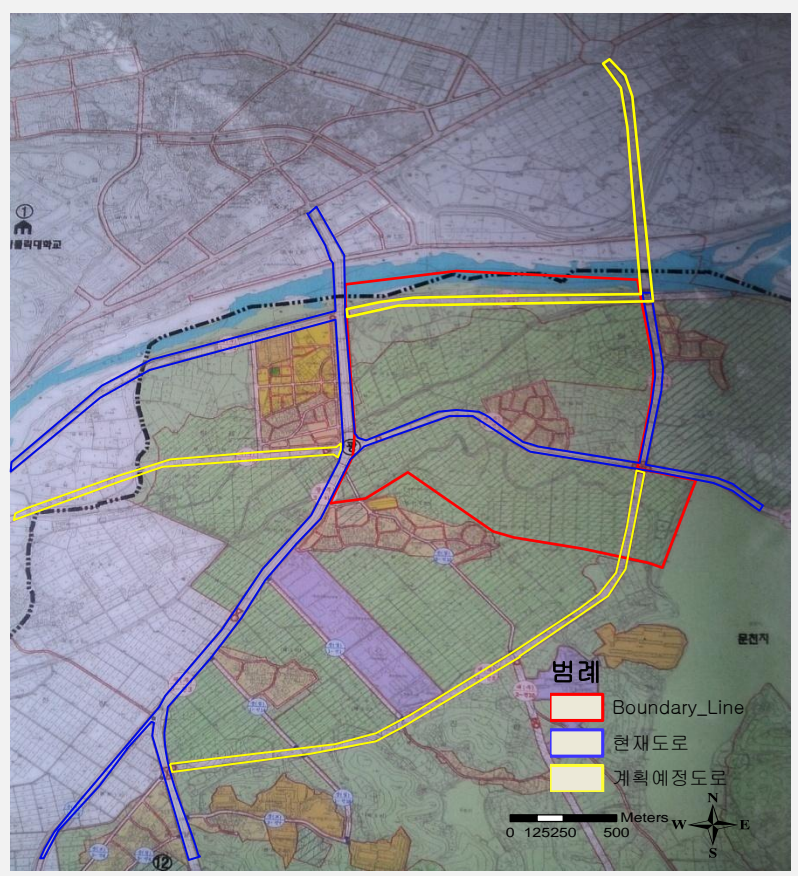
• Easy to the overall development of the low land

Physical / Unphysical

# Road way

- Gray means the existing road
- Yellow line is planed road(will construction)
- Already, It was some areas construct finished.

- Maintaining the existing road network,  
Planned roads maintaining as much as possible



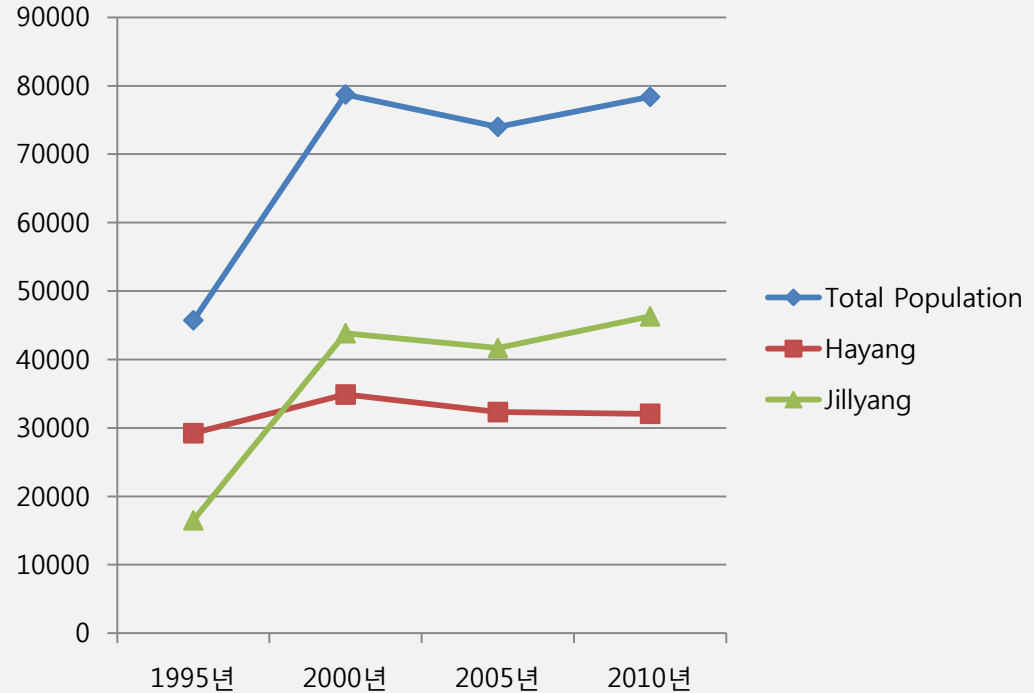
Economic / social

## Population(Hayang, Jillyang)

Hayang : 32066

Jillyang : 46315

Total population : 78381

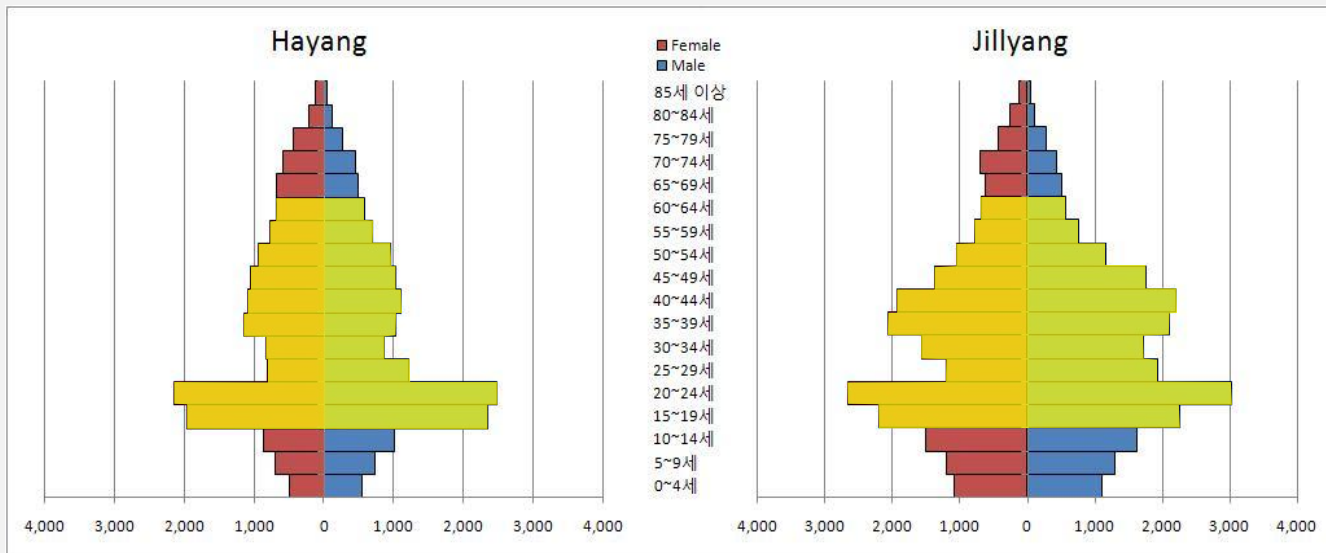


- Behind a population close to 100,000 people despite the lack of cultural facilities  
We will foster Cultural facilities



Economic / social

## Population (Gender, Age)(Hayang, Jillyang)



### Hayang + Jillyang

Economically  
active population  
- 56708 (74.8%)

Not economically  
active population  
- 19084 (25.2%)

- Younger adults may occupy a significant proportion of the population
- Their culture facilities which must be filled with lead

## Problems

Main Category	Details category
1.Road way	-1 Pedestrian -2 bicycle
2.Environment	-1 Water space -2 Eco-swamp
3.commercial	-1 Central commercial -2 the neighborhood commercial
4.cltural	-1 Art center, sports class
5.Interaction	-1 3th place

| CASE  
STUDY

# Case Study

Vauban, Freiburg, Germany **01**

Ansan reed wetland park **02**

Kyeong An RIV. Eco swamp park **03**

UC Berkley campus town **04**

## 1-1 Bicycle and pedestrian street

### Vauban, Groningen, Netherlands



Sang-rim ri divide With some compartments

And only Pedestrian or Bicycles can pass through the boundary

Using public transport interchange with the outside

## 2-1 Waterside pedestrian road

### Ansan, Reed wetland park



Utilization of Waterway is Waterside pedestrian road and Bicycle lanes

By connecting Riverside

## 2-2 Ecological space

### Kyeong An river eco -swamp park

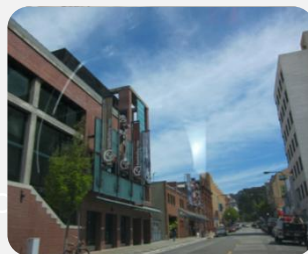


Waterside spaces develop natural form

Riverside will be used as ecological learning center

## 3-1 Culture and commercial

### UC Berkley campus town



Cultural and commercial facilities, distance to coexist

Active college town atmosphere



## 5-1 Interaction

### Vauban, Freiburg, Germany



Actively Residents participation Cover the whole field of plan  
(Bicycle and pedestrian road, House design, Open space)

Led by the University of plan

ICONCEPT

## Problems

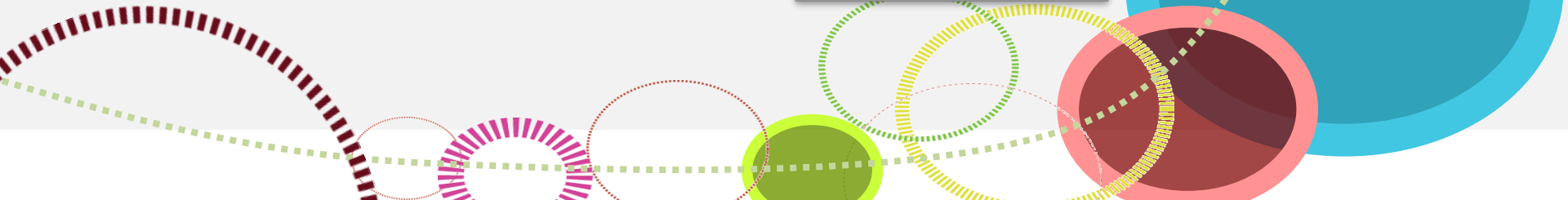
Disconnected community

Absentee culture

Environmental resources unused

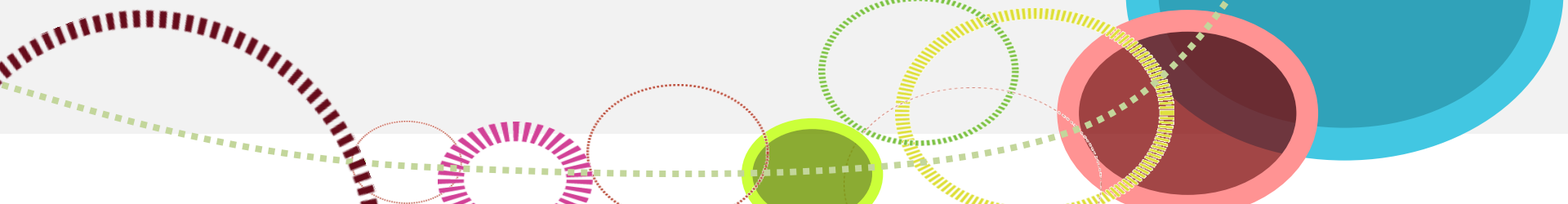
Waterway can not be removed

Pool road network



## Solutions

- Cover the whole field of plan
- Cultural and commercial distance to coexist
- Waterside spaces develop natural form
- Remaking Waterside pedestrian road
- Bicycle and pedestrian focus on develop



# Thank You

I don't have any additional announcements, so I'd be happy to take your **questions**.