



# **A Study on Sustainable Tourism and Community Participation in Agricultural Heritage Sites**

-Focused on Uljin Geumgang Pine Tree Habitat-

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# 01 Introduction

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미인송  
순간이 길고 아름다우며 영원히 푸른  
색에 빛나는 미인송의 소나무로 미인송이라  
부르고 있습니다.



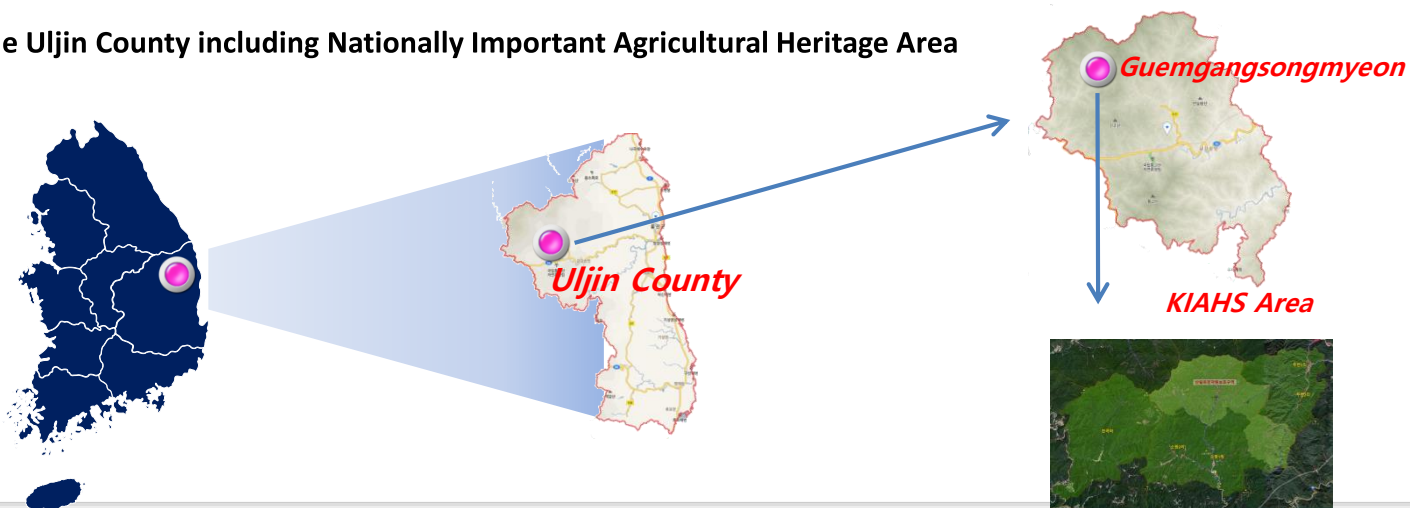
# 01 Introduction

## Background & Purpose

- ▶ Agroforestry Heritage System of Uljin Geumgang Pine Tree was designated as the 7<sup>th</sup> NIAHS in Korean in 2016.
- ▶ Geumgang Pine Tree Habitat has been managed under conservation. But it is time to find a way to increase income of local people who live in agricultural heritage sites according to change of times.
- ▶ It needs to utilize tourism for sustainable conservation of agricultural heritage and coexistence with local people and it.
- ▶ It is crucial to link local tourism resources and agricultural heritage resources.

## Research Area (Spatial Extent)

- ▶ The Whole Uljin County including Nationally Important Agricultural Heritage Area



# 01 Introduction

## What is Sustainable Tourism?



**Sustainable tourism** is the concept of visiting a place as tourist and trying to make a positive impact on the environment, society and economy. And It contains **responsible travel to natural areas**.



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## 02 Linkage Local Resources of Uljin And Agricultural Heritages

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때에 잘 꽃 피고의 소나무로 미인송이라  
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## 02 Linkage Local Resources of Uljin and Agricultural Heritage

< Gyeongsangbuk-do >

### Geographical Information



#### Target Area

- Administrative areas : 10 'Myeons(towns)' 195 'Lis(villages)
- Total Area: 989.43 km<sup>2</sup>



#### Demographic

- Populations: Total 53,103
- Households : Total 24,926



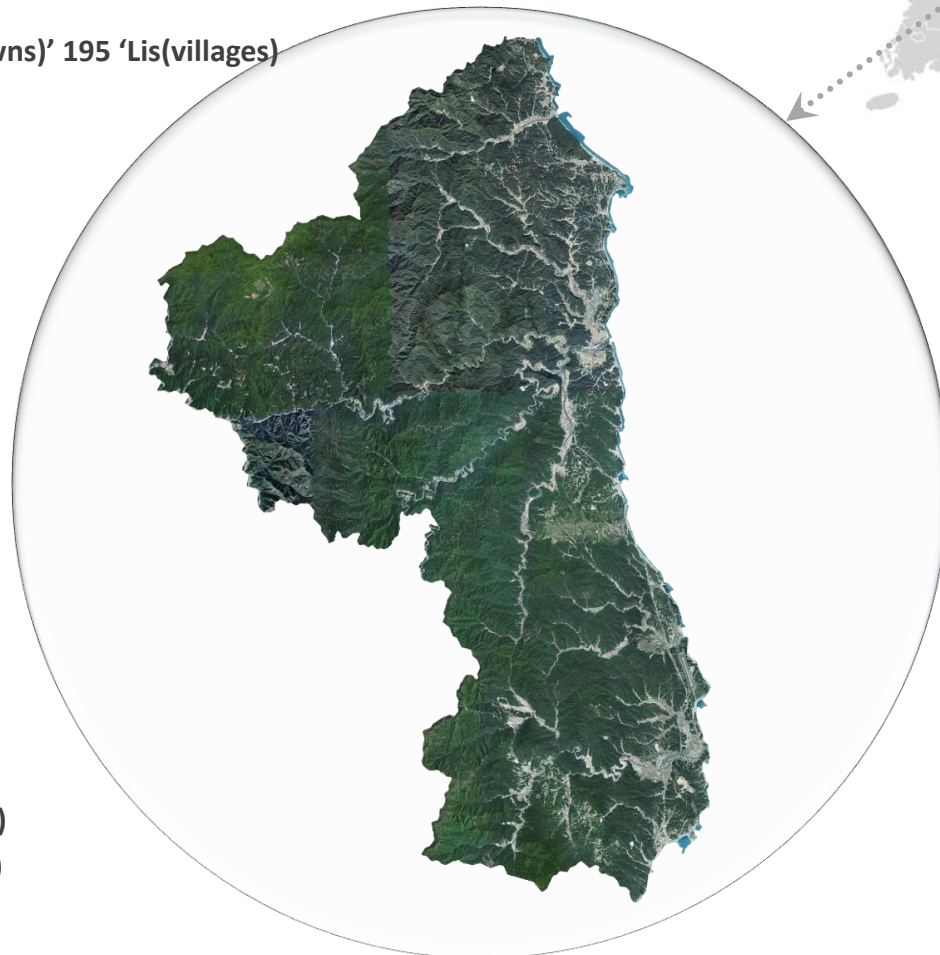
#### Physiographic

- The average temperature : 13.15°
- Average Precipitation: 68.2mm



#### Forest Status

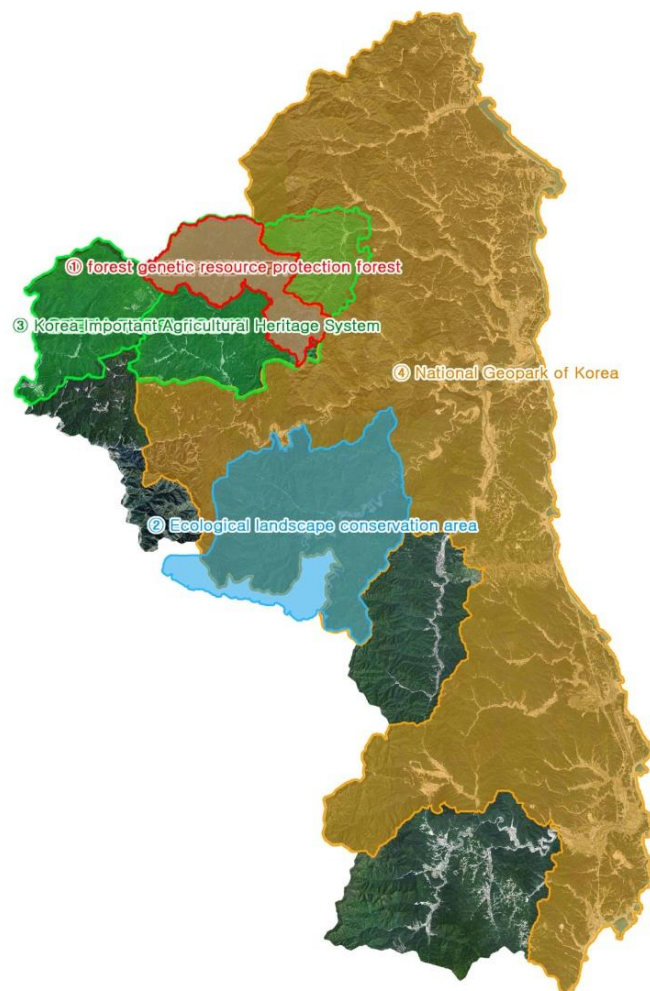
- Forest Area : 47,097.62ha(88.78%)
- A Coniferous Forest: 28,736.5ha(56.6%)
- Geumgang Pine Forest : 43,330ha(92%)
- Natural Forests : 42,980,23ha(91.13%)





## 02 Linkage Local Resources of Uljin and Agricultural Heritage

### Tourism potential area



#### ① Forest genetic resource protection forest(2001)

- Area of forest : 3,705ha
- Distribution of 34 million Geumgang pine tree
- The largest natural community in a single area



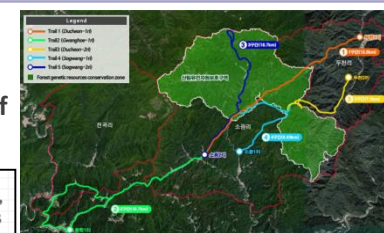
#### ② Ecological landscape conservation area(2005)

- Operate ecotourism routes in the Wangpicheon area
  - More than 85% of green tract of land of grade 8 or higher
- Natural river conservation**

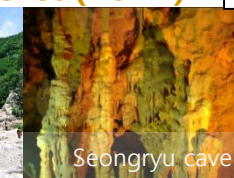
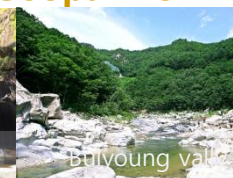
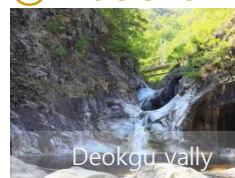
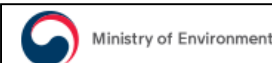


#### ③ KIAHS(2016)

- Geumgang pine forest and symbiosis system of residents and Agroforestry



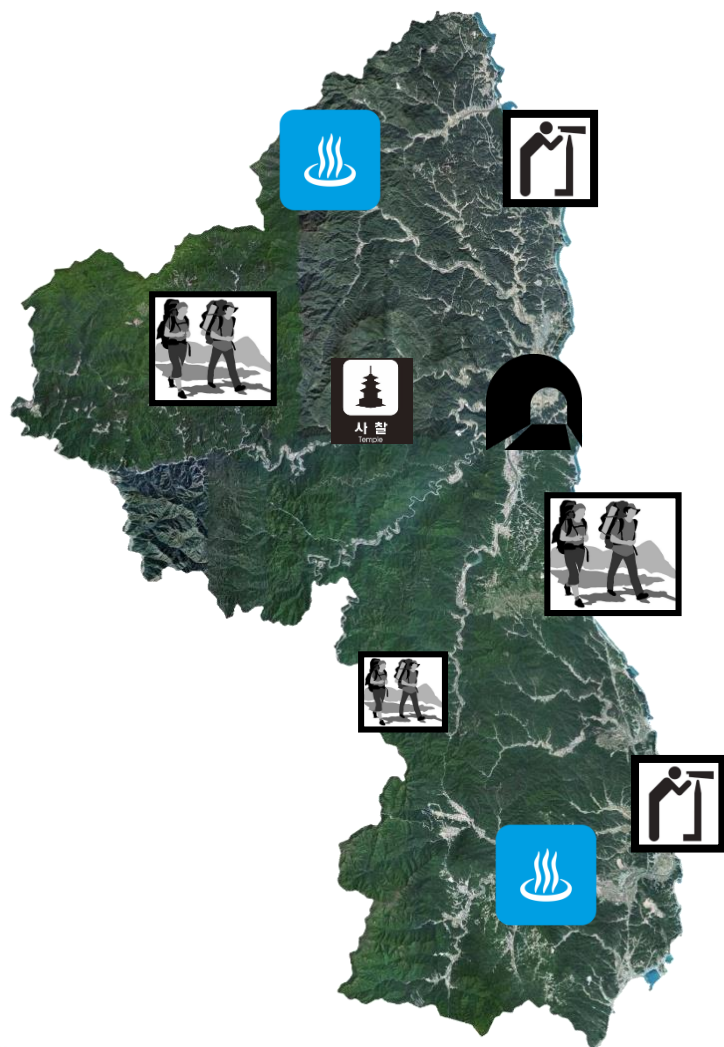
#### ④ National Geopark of Korea(2017)





## 02 Linkage Local Resources of Uljin and Agricultural Heritage

### Tourist Attractions



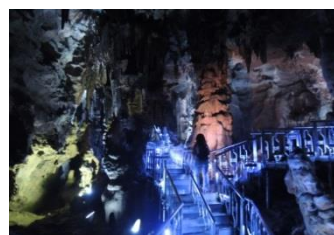
#### ① Coastline length : 111.75km



#### ② Temple, Valley



#### ③ Lime cave, Hot spring



## 02 Linkage Local Resources of Uljin and Agricultural Heritage

### Food and Livelihood security

#### Conservation and Utilization of Geumgang Pine Forest

- Cultivating pine mushroom and producing timber through conservation of Geumgang pine forest
- Linkage festivals, visitor experiencing programs and products related to pine trees.



#### Pine tree Products



#### Pine tree Festival



#### Experience





## 02 Linkage Local Resources of Uljin and Agricultural Heritage

### Food and Livelihood security

Linkage sustainable tourism and Agricultural heritage based on chronological change





## 02 Linkage Local Resources of Uljin and Agricultural Heritage

### Local and Traditional Knowledge system

#### Cultural Landscape and Knowledge System

- There is a national and a private system which has preserved and managed Geumgang Pine Forest over 500 years.
- Cultural landscape of the village such as community forest which is planted near the pine forest, the village shrine ('Seonghwangdang')

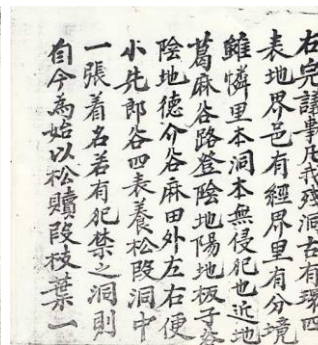
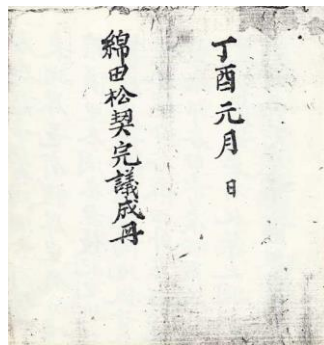
National : Boundary Stones  
(Logging Prohibition Policies)



Villagers : Songgae(松契), Bogae(湫契)



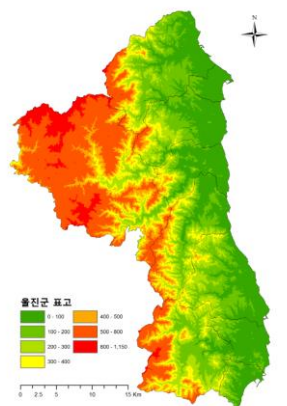
Community Forest / Village Shrine



## 02 Linkage Local Resources of Uljin and Agricultural Heritage

### Agro-biodiversity

The coniferous forests in Uljin county, Geumgang pine trees account for 92%



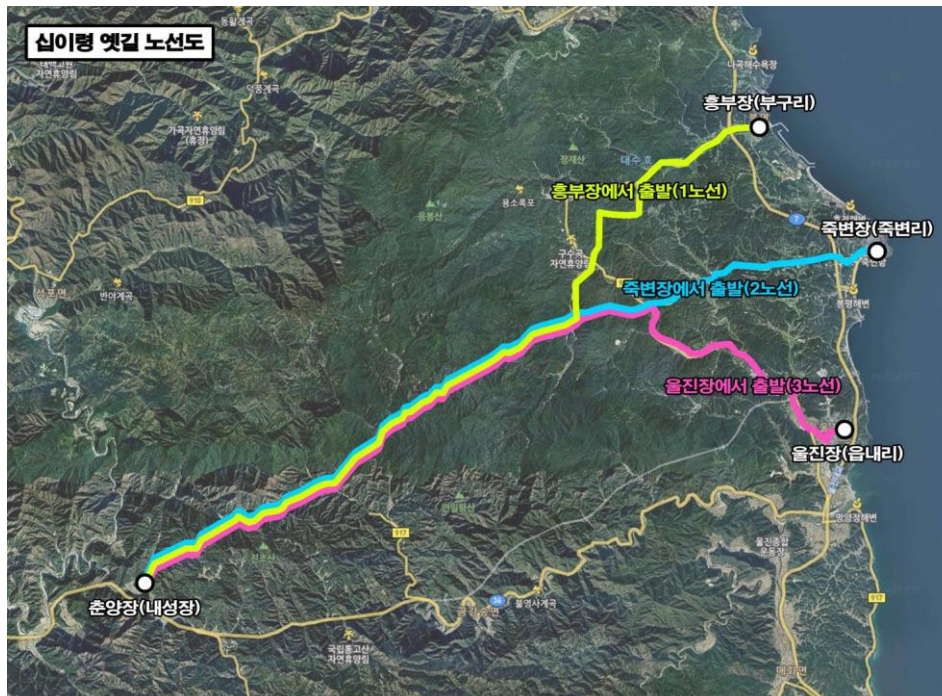


## 02 Linkage Local Resources of Uljin and Agricultural Heritage

### Culture, Value system and Social Organizations

Trade Route for Peddler merchant 'Bobusang', Joseon Dynasty (The Old Forest Trail) → Designated 'Geumgang Pine Forest Genetic Resources Protection Zone' → Open Geumgang Pine Forest Roads to Public (2011)

- The old forest roads is a trade route from seaside of Uljin to inland area.
- There is the old forest roads within a thick pine forest of Uljin.
- Culture, history, tradition and nature of Uljin are well-preserved with the forest.
- Every May, A festival is held by local community which plays a role of passing on 'Bobusang Culture'.



The old forest road from Uljin to Bongwaha which is marked on the old map ('Daedongbangyeon



## 02 Linkage Local Resources of Uljin and Agricultural Heritage

### Landscape and Seascape Feature





The background of the slide is a photograph of a dense forest of tall, thin trees, likely pines or cypresses, with a teal-colored overlay. The overlay covers the right half of the image and has a white horizontal line near the top and bottom. The title '03 Community Participation and Sustainable Tourism' is written in white text on the teal background.

## 03 Community Participation and Sustainable Tourism



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때에 잘 꽃 피고의 소나무로 미인송이라  
부르고 있습니다.

# 03 Community Participation and Sustainable Tourism

## Operation of Geumgang Pine Forest Roads

### Open genetic preservation forest of Geumgang pine tree to the public in 2011 for coexistence of Korea Forest Service and Local people

- Open 'Geumgang Pine Forest Roads' to the Public from April to November every year
- Strictly limited the number of visitors : 80 people /1 course & a day
- Visitors should accompany with the certified tour guides and forest interpreters who are local people.
- In principle, visitors should use service which is provided by local people such as B&B, meals, forest interpreter and cars

The Old Forest Roads Management & Community Participation System

	The Pine Forest Roads	Community Participation
<b>Course managing</b>	Limit the number of Visitors (80 people/1course)	Visitor Information Center (Visitors, Villages, Forest Interpreters)
<b>Operation System</b>	Accompany with Tour Guide	Forest Interpreters (8 Interpreters)
<b>Management</b>	Assign a person in charge each route	Community involvement B&B (Bed & Breakfast) Food Truck (Packed food box)
<b>Providing Visitor Service</b>	Reservation through Internet & Phone-call	
<b>Main Body</b>	Visitor Information Center (Geumgang Pine Forest Roads Visitor Information Center)	Each Forestry Fraternity (Each Forest village Society )
<b>Others</b>	Supporting Experiencing Program for Socially Disadvantaged Class Over 65 year-old people, 2 times/a week(Mon, Wed)/20 people	Forest Experiencing Instructors Forest Interpreters





## 03 Community Participation and Sustainable Tourism

Tour Program, Meals, Accommodation and Interpretation which are involved to

Forest Interpretation



Food Truck



Taverns (Traditional Pub & Inn)



Home stay

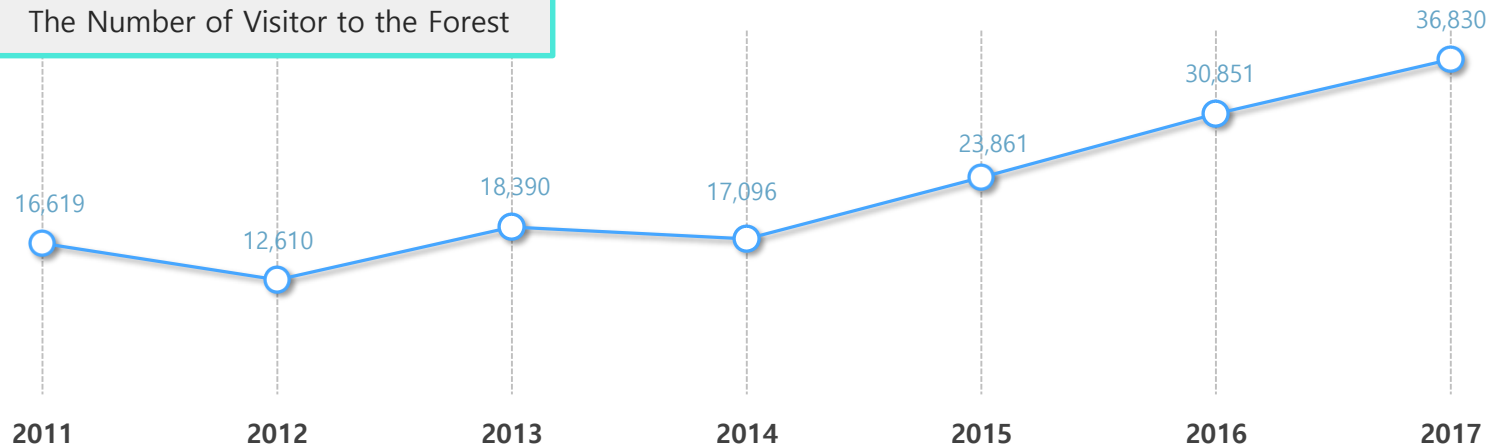


## 03 Community Participation and Sustainable Tourism

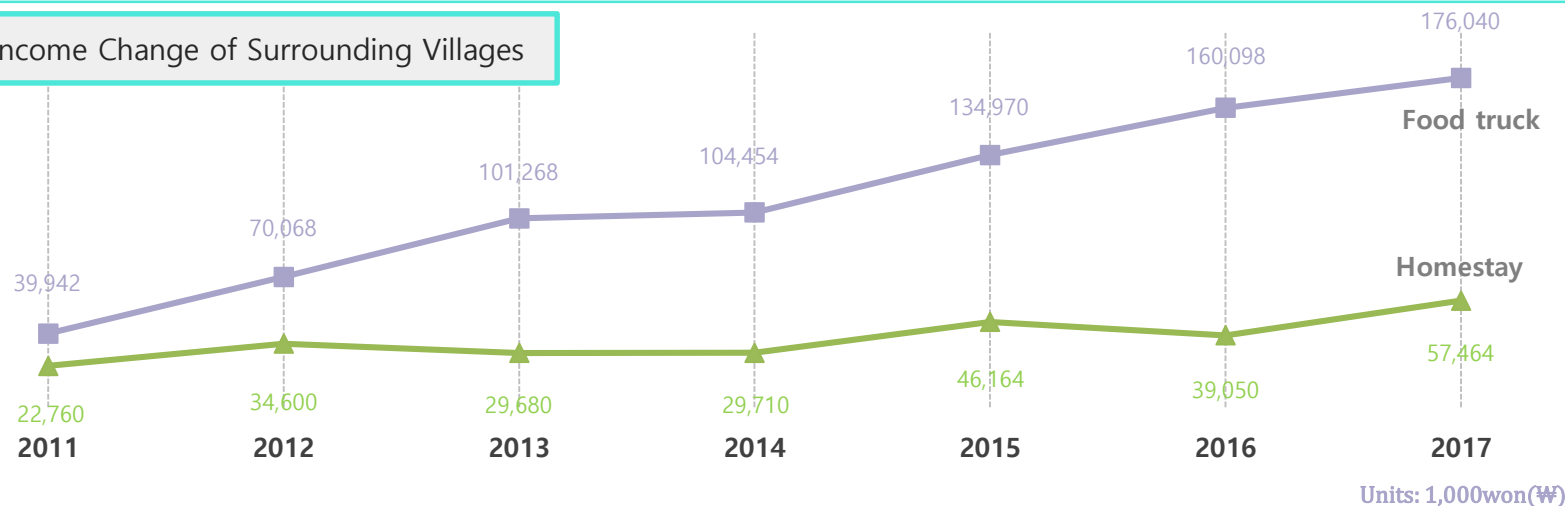
### Effects of Sustainable Tourism

Units: people

The Number of Visitor to the Forest

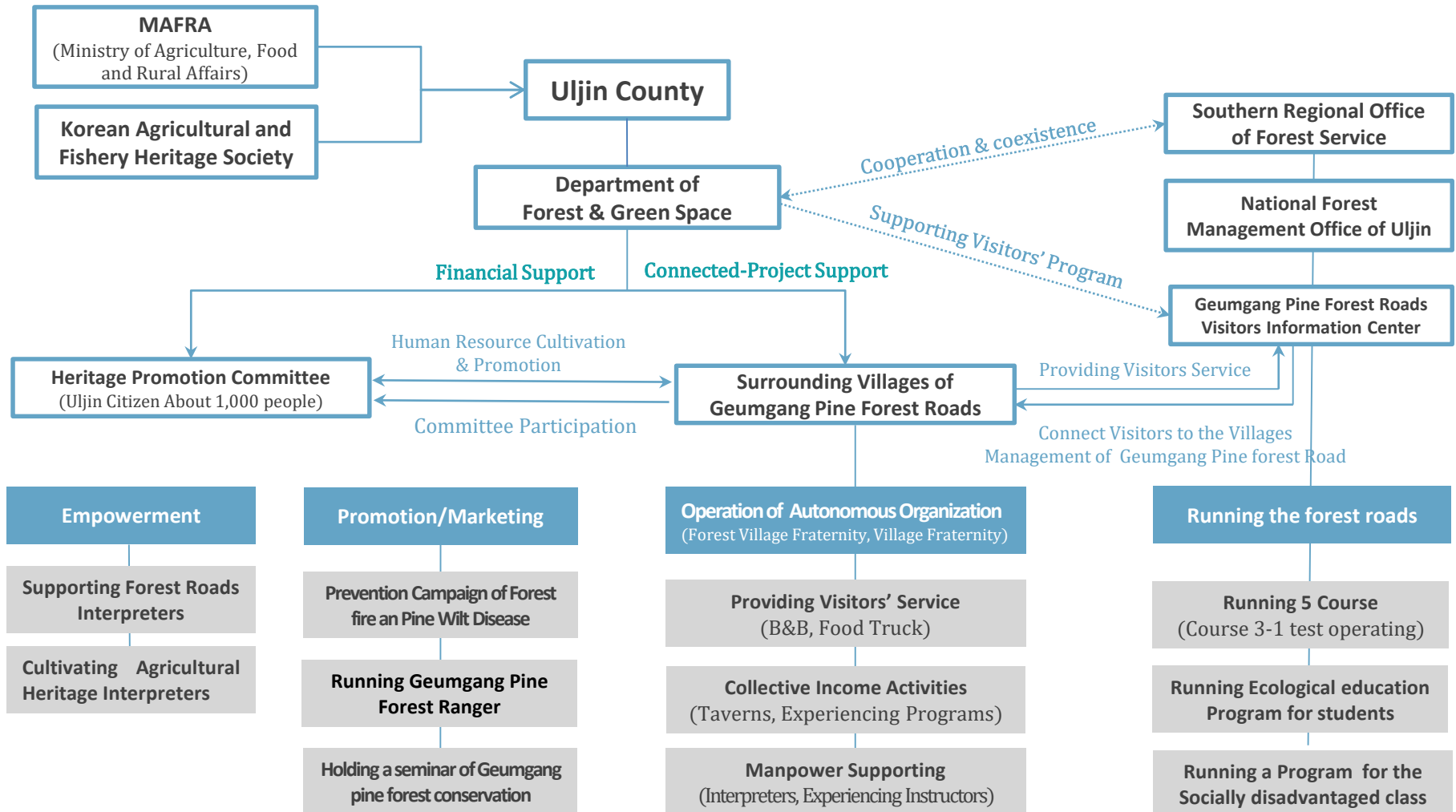


Income Change of Surrounding Villages



# 03 Community Participation and Sustainable Tourism

## Developing Agricultural Heritage Governance





# 03 Community Participation and Sustainable Tourism

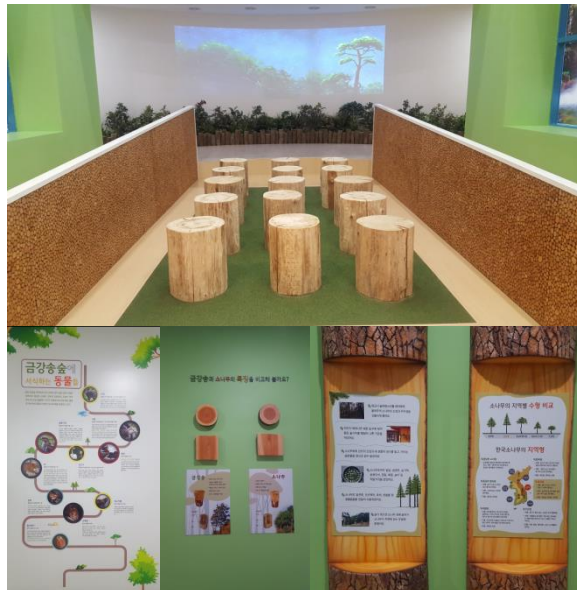
## Empowerment

### Efforts to Keep a Sustainability of Agricultural Heritage Resources

- Strengthening management abilities in order to keep coexistence local people with Uljin.
- Attempting to strengthen visitors, local people and students' abilities by running differentiated programs for each

#### Help Visitors to Understand Geumgang Pine Forest (Pine Tree)

- ▶ Build up Exhibition Hall(Museum)
- ▶ Understanding of Geumgang Pine Tree



#### Help Local People to Understand Geumgang Pine Tree and Agricultural Heritage

- ▶ Cultivation Agricultural Heritage Interpreters
- ▶ Making Continuous Presentations for Local People



#### Help Students to Understand Geumgang Pine Tree and Agricultural Heritage

- ▶ Making a Good Use of Workbooks
- ▶ Running Ecological Education Programs



The background of the slide is a photograph of a dense forest of tall, thin trees, likely pines or cypresses, with a teal-colored overlay. The overlay covers the right half of the image and has a white title and three white tree silhouettes. The title is '04 Sustainable Tourism of Agricultural Heritage'. The three tree silhouettes are white and are positioned in the middle of the teal area. The forest image is in grayscale.

## 04 Sustainable Tourism of Agricultural Heritage





# 04 Sustainable Tourism of Agricultural Heritage

## 1. Systemic Management by Assessment and Prediction of Ecosystem Service

- Biodiversity & values of ecosystem service should be evaluated as well as being predicted according to change of land use and land cover caused by tourism in Agricultural heritage. It is also necessary to make a plan to keep a balance of development and conservation based on the results of assessment and prediction.
- Making a land use plan and control tourists' needs in compliance with results of assessment.

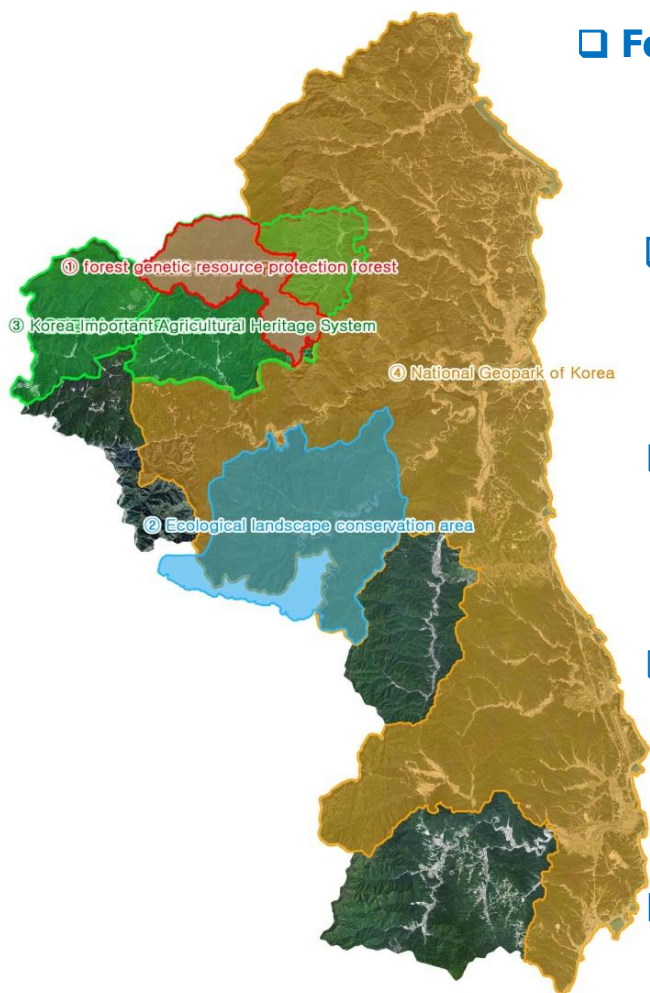


## 2. Tour Program Operation System, which run by Local People

- Establish responsible traveling culture through continuous education and communication between local people and visitors.
- Branding products of agricultural heritage sites and fair trade off
- Providing incentives to local people with 'Direct Payment Program for Agricultural Heritage Conservation'.
- Promoting consumption, for example accommodation, experiencing programs and buying agricultural products, through linkage adjacent villages and villages on agricultural heritage sites.
- Generating greater economic benefits for local people and Enhancing the well-being of host communities.

# 04 Sustainable Tourism of Agricultural Heritage

## 3. Integration : Agricultural Heritage Tourism (Eco + Green + Rural + Culinary + Culture + Responsible •• )



### ❑ Food and livelihood security

➔ Culinary Tourism



### ❑ Agro-biodiversity

➔ Eco -Tourism



### ❑ Local and Traditional Knowledge system

➔ Green /Rural Tourism



### ❑ Culture, Value system and Social Organisations

➔ Culture Tourism, Responsible travel



### ❑ Landscape and Seascape Feature

➔ Green /Rural Tourism







Thank You

