



# **Organic Food System in Goesan**

# 1. History of Organic Agriculture in Goesan

**1970'**

**Spontaneous movement of farmers for farmer's rights**(Nunbisan Village etc.)

**1980'**

**'Hansalim', 'Heuksalim'** started organic practice in Goesan

**1990'**

Enhancement of organizational cohesion through cooperative marketing, **Widespread of organic agriculture** of rice and other grains

**2000'**

Creating a community based on eco-friendly agriculture

- **2006 Establishment of environment-friendly agriculture enhancing ordinance**

- **2006 Establishment of School Meal Ordinance (first in Chungbuk province)**

⇒ **Initiative for school meals**

- **2007 Proclamation of environment-friendly agriculture County** : Establishment of organic agriculture department, providing stable supply and demand basis of environmental friendly agricultural products ⇒ **Resource recycling agriculture area**

- **2007** 3,000 students in 30 schools were provided with **eco-friendly agricultural products**

- **2012 Declaration as organic county(first in nation)**

- **2015 Enhancement of organic agriculture -Construction of organic food industry complex and global cooperation**

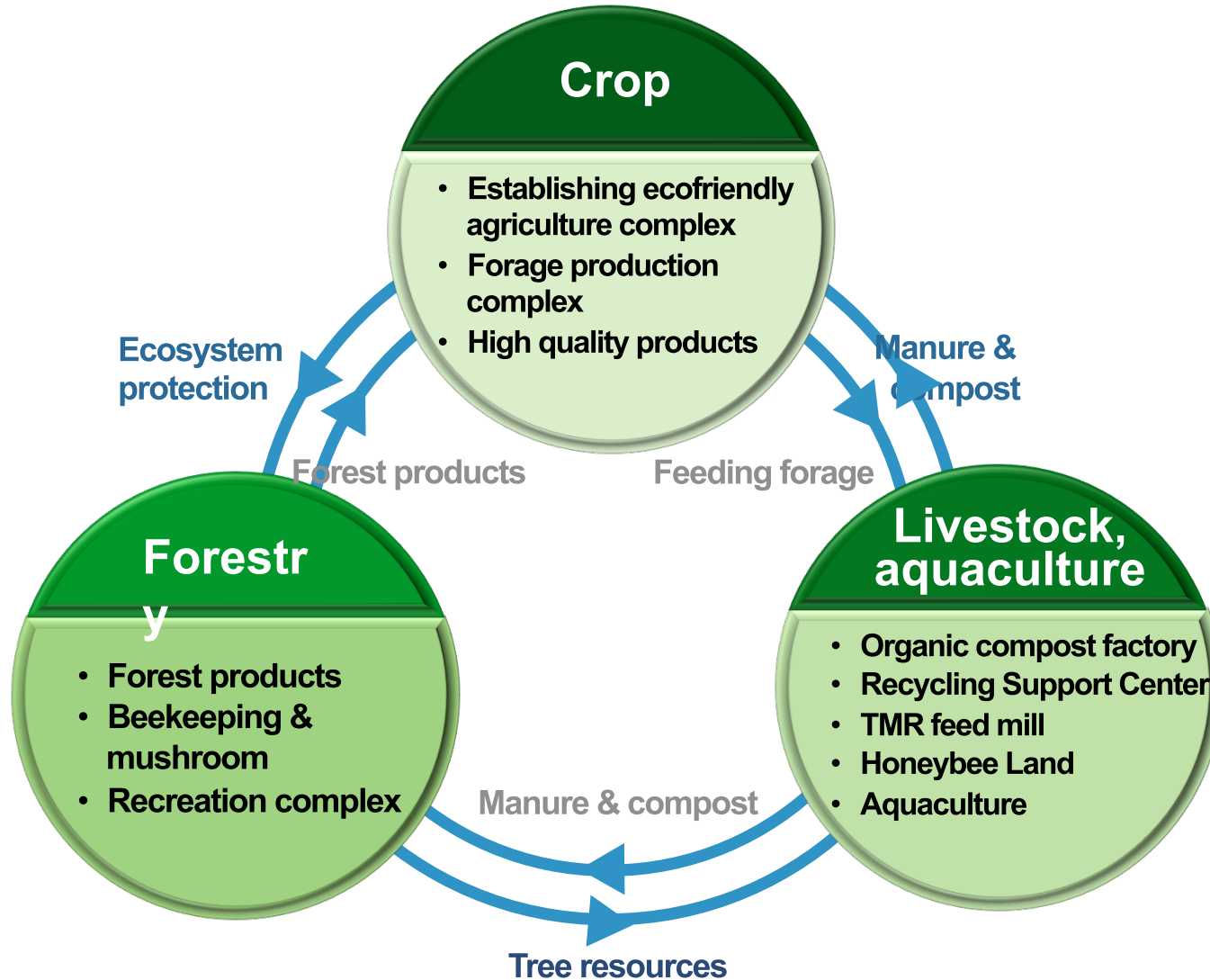
**Spontaneous Community Experience**



**Policy Support**

## 2. Organic agriculture system in Goesan

### Sustainable resource recycling farming





### 3. Multi-stake holder involvement of organic agriculture





## 3-1. Producers and input companies



### Organic producer groups

- Goesan Organic Farmers Union
- Hansalim Livestock Farmers Union
- Nunbisan Village
- Solmoe Community
- Buljung Farmers Coop
- Goesan Grains etc.



### Input companies

- Heuksalim
- Shinsung Minerals
- Daewon Nongsan
- Agri. & Tech.
- Heuksarang
- Yeonwoo Farmers Union
- Seoul Livestock etc.

## 3-2. Processing & distribution

### Hansalim

- Increase contract cultivation, Community development
- Certified Area: 251ha
- Sales: 35million USD
- Items: rice, grains, livestock, vegetables & processing

### Processing



### iCOOP

- Multifunctional farming industry complex.
- Processing & distribution of local foods
- Self certification
- Centralizing Nature Dream factory



### Heuksalim

- Research, training and certification
- Organic inputs production & distr.
- Indigenous Seed Institute (1,400 varieties)
- Scale up: school meal, direct sale in urban

### Distribution



### 3-3. Consumer oriented support

#### Hansalim Stores (3 in urban areas)

Consumer  
driven

#### iCOOP Store (1 in urban areas)

- livestock products, grains, eggs and processed products
- 42% of total sales made from Goesan products
- ⇒ 3.9 million USD sales of the organic product from Goesan per store

- livestock products, rice, grains, fresh vegetables, fruits and processed products
- ※ iCOOP s agricultural product form Goesan about 1.6 million USD/year

1.3 million USD investment by Goesan county



## 3-4. Organic agriculture policy

### Policy

- **Support agricultural projects: the nation's best**

- 35 million USD in 2007 → 85 million USD in 2016: 241% increased



- **Selection of new agricultural projects: 21 items, 100 million USD**

- organic agriculture, bay salt, local industry, resort, rural development, etc.

- **Support of natural resource recycling project**

- ⇒ increasing certified area: 567 farm households, 496ha

- ⇒ cost saving facilities and productivity increase support (25 million USD)

- ⇒ value added processing facilities and organic farming support (45 million USD)

- ※ organic compost, manure, TMR(total mixed ration), freshwater snail, microbial manufacturing facilities etc.

- ⇒ Forest support: 130ha

**Stabilizing organic food system, creation of sustainable rural society**

## 3-5. Practical Research & Leadership Training

**Establishment of organic county,  
Capacity development of organic agricultural leaders**

**Practical  
research &  
tech.  
transfer**



**Leadershi  
p training**

**Chungbuk Organic  
Agriculture  
Research Center**

- Organic agri. HRD
- Symposium & workshop for new organic technology
- Chungbuk organic farmers school for professional organic training(2017)

**Nature Farming School**

**Lohas Academy  
Pulmuone**

**Heuksalim Research Farm**

**Goesan Agricultural  
Technology &  
Extension Center**

- Training for leader farmers
- Specialized cropping tech. transfer
- Training for women farmers
- Agricultural machinery rental service

## 3-6. Interactive communication with the public

### Media

- **Press release**
  - 65 press: broadcasters, newspapers etc.
  - average daily press: 4/day
  - current photojournalism: 2/week
- **Communication through the Goesan homepage**
- **Voluntary advocacy group in on-line**  
(<http://cafe.daum.net/sh6993/HaLM>)

### 괴산군, '발전촉진형 투자선도지구' 선정

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## 4. Goals to Be Achieved by 2020



### Stabilization of natural resource recycling system

- Acknowledged as the nation's best organic production site  
⇒ **Increase of farm household income and ecosystem conservation**



### Increase of organic certification

	2015 → 2020
- Production ratio of organic vs. non-pesticides	4% / 491ha → 20% / 2,300ha
- Anti-biotics livestock	6% → 15%
- Organic processing industry	15 → 100
- Organic certified forest products	10ha → 500ha

⇒ **Organic food development, fermented foods**

## 5. Local organic food system in Goesan

Establishing organic production infra + Intensified value chain



Clustering of the “6th Industrialization” of Organic Agriculture



Integrated organic industry processing complex



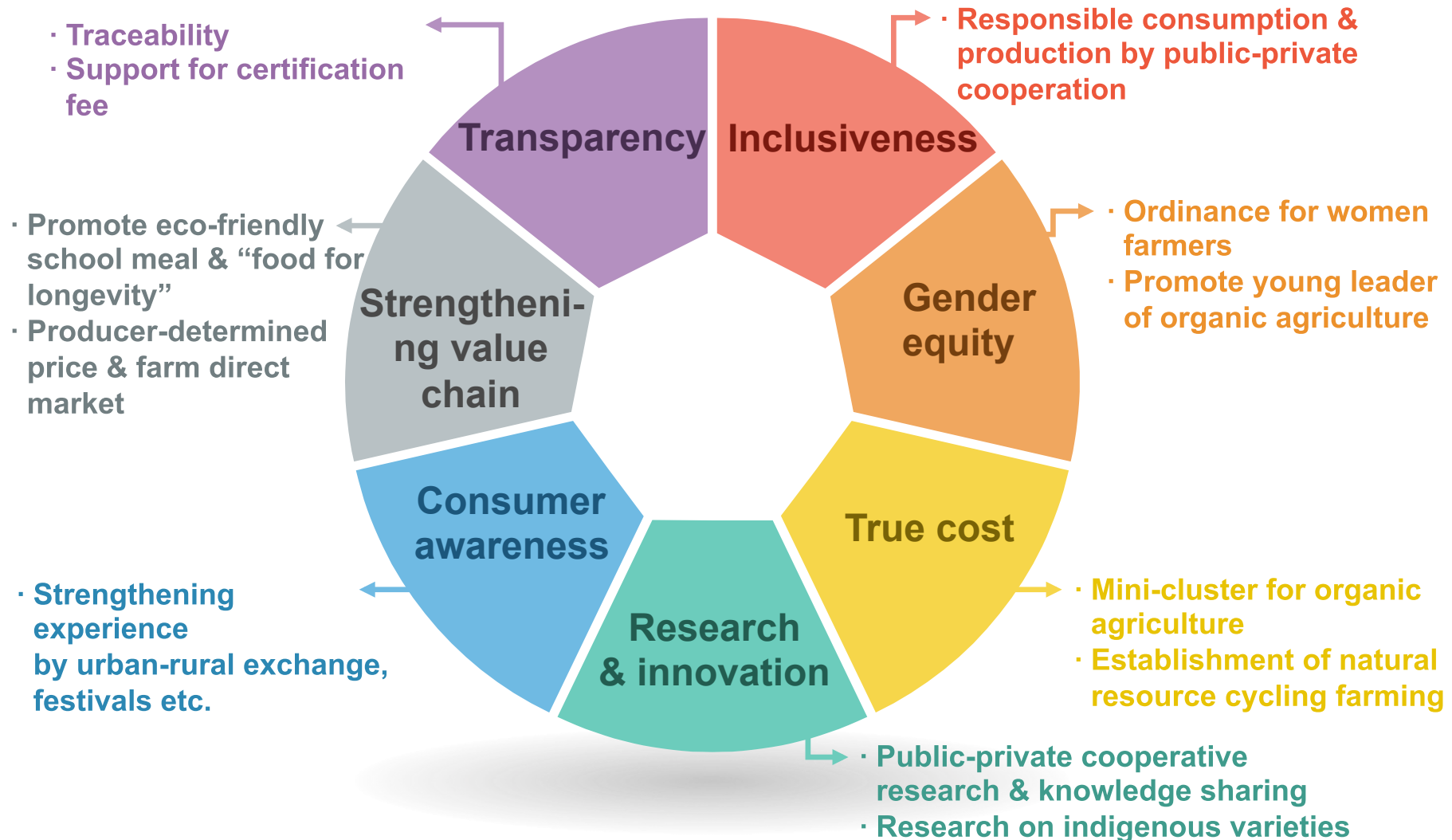
**Local Organic Food System**



## Future Prospect



# 1. Analysis of organic food system in Goesan



# 1. Analysis of organic food system in Goesan



- **Public-private cooperation:** Hansalim, Heukslaim, iCoop, agricultural cooperatives, individual farms
- **Support for all processes from production to responsible consumption**
- **Establishment of eco-friendly agricultural complex:** 8.83 million USD
- **Designated organic farming area:** 2.47 million USD
- **Establishing Organic hub:** 4 million USD
- **Agriculture & Livestock Resource Center** 3.79 million USD
- **Supporting the organic agricultural products store in urban area:** 1.32 USD

# 1. Analysis of organic food system in Goesan



- **Enactment ordinance for female farmers**
  - Improving the management ability of female farmers
  - Support for female farmers' business
  - Strengthening of women farmers through education
  - Support for women farmers' group/association
- **Education program for women-friendly agricultural machinery: 3,500 USD per year**
- **Cultivation of young organic leaders**



# 1. Analysis of organic food system in Goesan



- **Policy priorities in the organic sector**  
= considering “true cost”
- Sustainable resource recycling farming system
  - Livestock manure recycling: 2.64 million USD
  - Sawdust production using forest byproduct (thinning-out trees, waste wood)
  - Coarse fodder production
- **Support for ecosystem protection**
  - Organic farm subsidies for environmental protection: 176 thousands USD
  - Application of rice straw to rice paddy fields as compost: 88 thousands USD
  - Making ecological ponds in rice paddy fields: 2.2 million USD

# 1. Analysis of organic food system in Goesan



- **Effective microorganism(EM) supply & conservation and research of local varieties**
  - Agricultural Microbiology Center: annual production cost saving by 2.73 million USD
- **Knowledge sharing**
  - Agricultural Technology & Extension Center, Organic Agriculture Research Center
  - public-private cooperation & transfer agri. Tech.
- **Support for construction of Organic Agriculture Research Center: 8.83 million USD**
- **Organic agriculture conferences & lectures**

# 1. Analysis of organic food system in Goesan

- **Ecotourism, festivals: providing experience to consumers**
- **Promotion and consumer education:**
  - 141 thousands USD
    - Organic festivals
    - Organic conferences & lectures
    - Training program for organic agriculture
    - advocacy organic industries
- **Organic Ecology Experience Center:**
  - 1.94 million USD
- **2015 Goesan Organic Expo: 16.86 million USD**
- **World Organic History Park: 98.2 million USD**



# 1. Analysis of organic food system in Goesan

- **Organic school meal, dishes of long-lived elderly people(Jangsu food), food box, farmer's market**
- **Support for organic production:** 17 million USD
  - Construction of a cooperative nursery for organic vegetable seedlings: 1.23 million USD
  - Supplying organic compost: 11.2 million USD
  - Support for agricultural input: 1.6 million USD
  - Soil conditioner: 176 thousands USD
  - Free supply of fresh water snails: 88 thousands USD
  - Spreaders for organic inputs
- **Organic food processing factory:** 5 million USD
- **Multiple functional industry using forest resources("6<sup>th</sup> Industrialization")**
  - Honeybee Land: 5 million USD etc.



# 1. Analysis of organic food system in Goesan

- **Transparent information & notifications**
  - Spreading online information through webpages of Goesan County & its affiliate institutes
  - Printed materials, broadcasting media etc.
- **Traceability of agricultural product**
- **Support for organic certification fee :**  
264 thousands USD
- **Education of organic certification:**  
88 thousands USF



## 2. Challenges of Goesan

- **Population** : **38,481**(male 19,552, female 18,929)  
※ 2.4% of Chungbuk Province
- **Household** : 19,725 ※ **65 and above**: 11,682(**30.4%**)
- **Public officer** : 618(headquarter 429, town 176, council 13)
- **School** : 25(Elementary 14, Middle 8, High 2, University 1)  
※ **Remarks : Army Cadet Military School**  
**(officer training school)**
- **Industry** : 182 companies, 2,964 employees



\* 31 March 2017

### Challenges

- Depopulation & population aging
- Organic county, Goesan! Need to promote the brand of Goesan
- Need to expand organic livestock production



### 3. On-going project of Goesan

1	· Best farm village development : 130 million USD
2	· Building a vibrant local economy : 87 million USD
3	· Realization of customized welfare : 49 million USD
4	· Distinguished Cultural Tourism Development : 98 million USD
5	· Protection of various biological resources : 35 million USD

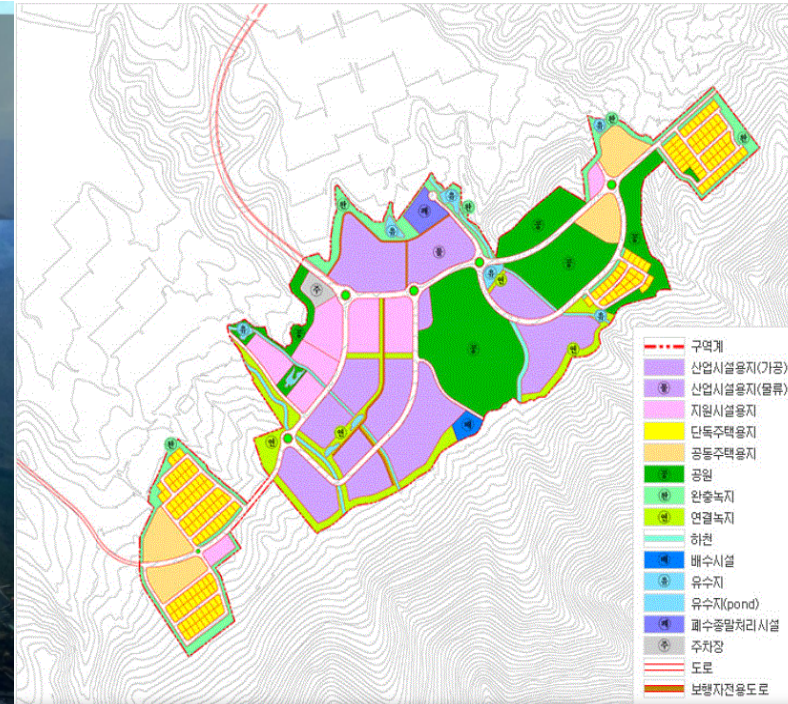


- Home of organic industry
- Center for tourism

\* The end of July 2017

# 4. Planned project of Goesan

## Designated as leading investment district 2017



- Goesan Natural Dream Town, Hansalim Community Complex, Organic Minicluster Organic food industry complex, Fermented food agricultural industrial complex
- Complex 6th industrialization combining organic production, processing, sales, experience, and education
- ⇒ 100 Food companies, 1,000 new employees, 3,000 new residents, 2million tourists

## 5. Future of Goesan

**Leader of organic agriculture industry in ASIA**



**Korea's organic center Goesan! Ecological life**



**Reinforcing brand  
image of organic  
Goesan**



**Intensive investment  
eco tourism industry  
development**



**Improving the  
quality  
of life**



Thank you!