KOREA'S IMPORTANT AGRICULTURA HERITAGE SYSTEM KOREA'S IMPORTANT AGRICULTURAL HERITAGE KOREA'S IMPORTANT AGRICULTURAL HERITAGE

## Monitoring and Evaluation of KIAHS in Korea

2016. 6

## PARK, YOON HO KOREA RURAL COMMUNITY CORPORATION

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Korea Important Agricultural Heritage System



# Corrigence of Kiams

- MAFRA (Ministry of Agriculture, Food and Rural Affairs) launched the KIAHS(Korea Important Agricultural Heritage systems) in March 2012 to conserve and utilize the heritage resources.
- The first two KIAHS sites(Cheongsando and Jeju) are designated by MAFRA in January 2013.

#### **Progress of KIAHS**

#### **2011**

- June : First paper on agricultural heritages released **2012**
- Feb.-Dec. : Conducting research on KIAHS funded by MAFRA "A study on the establishment of designation criteria for agricultural heritage and management system" by RRI March : Announcement of introduction of KIAHS July : Accepting applications for KIAHS(64 sites) Oct. : Document screening(20 sites selected from 64 sites) Nov. : Field survey(20 sites) Dec. : Notification of "management and designation criteria of

KIAHS" (Notification NO. 2012-285 of MAFRA)

#### **Progress of KIAHS**



#### 2013

- Jan. : 2 KIAHS sites have been designated by deliberation committee of MAFRA(13 sites reviewed)
  - Gudeuljangnon in Cheongsando island
  - Jeju Batdam
- May : Presentation at GIAHS international forum in Japan

#### Submit applications for GIAHS

#### **2014**

- April : 2 KIAHS sites designated as GIAHS
- Nov. : KIAHS Second batch 2 sites (Gurye, Damyang)

#### designated

#### **Progress of KIAHS**



#### **2015**

#### Feb. : Legal basis of KIAHS and KIFHS was amended

- "Special Act on the Promotion of Rural Regional Development and Improving the Quality of Lives for Farmers and Fishermen"
  - Article 30 2 (KIAHS), Article 30 3 (KIFHS)
- April : Third batch of 2 sites designated as KIAHS
- Dec. : MOF(Ministry of Oceans and Fisheries) introduced KIFHS
  - 3 KIFHS sites designated
- **2016**

Feb.-Dec. : Research project on KIAHS M&E system

#### **KIAHS** designation





## **KIAHS** designation



| Year | No | Location          | Title   | 비고           |
|------|----|-------------------|---|--------------|
| 2013 | 1  | Wando<br>County   | Cheonsando Gudeuljangnon<br>- Traditional irrigation system | First Batch  |
| 2013 | 2  | Jeju<br>Province  | Jeju Batdam agricultural<br>system                          | First Batch  |
| 2014 | 3  | Gurye<br>County   | Gurye Sansuyu (Cornus<br>officinalis) agricultural system   | Second Batch |
| 2014 | 4  | Damyang<br>County | Damyang Bamboo forest<br>system                             | Second Batch |
| 2015 | 5  | Geunsam<br>County | Guemsan Insam(Ginseng)<br>agricultural system               | Third Batch  |
| 2015 | 6  | Hadong<br>County  | Hadong Traditional Tea plantation system                    | Third Batch  |

## **KIFHS** designation



| YEAR | NO | LOCATION         | TITLE   |
|------|----|------------------|---|
| 2015 | 1  | Jeju<br>Province | 해녁어업<br>Women skin divers in Jeju Island                        |
| 2015 | 2  | Bosung<br>County | 뻘배어업<br>Mud bout(Ppeolbae) in Bosung-gun                        |
| 2015 | 3  | Namhae<br>County | 죽방렴어업<br>Traditional bamboo<br>Weirs(Jukbangryum) in Namhae-gun |



Cheorigsando Gudeuljangnon (Flat Stone Floor Paddy Field) System



Jeju Bałdam(Stone fence) Agricultural System



Gurye Sansuyu(Comus officinalis) Agricultural System



Damyang Bamboo Forest System



Geumsan Insam(Ginseng) Agricultural System



Hadong Traditional Tea Plantation System







경남 죽방험

제주 해내어업



# Monitoring and Evaluation of KIAHS



- Monitoring and Evaluation of KIAHS focus on the Multifunctional resource utilization projects.
- Budget support for the conservation and management of KIAHS sites by MAFRA and MOF.
  - \$1.5million per KIAHS site for 3 years (70% by MAFRA, 30% by the local government)
  - Multifunctional resource utilization project by MAFRA
  - \$0.7million per KIFHS site for 3 years (70% by MOF, 30% by the local government)
  - Multifunctional resource utilization project of the fishery settlement by MOF



- Conservation action plan for KIAHS sites
  - Action plan for dynamic conservation of KIAHS
- Monitoring of KIAHS sites are based on the Conservation Action plan and Comprehensive projects plan of each sites
- Every KIAHS site have to make conservation action plan within 1 year after designated as a KIAHS



WANDO COUNTY 😡 Broker of Agriculture

Traditional Gudeuljang Irrigated rice terraces in Cheongsando



Cheonsando Gudeuljang GIAHS Initiative Action Plan and Conservation Action plan are put in place

According to the plans, Multifunctional resource utilization project was implemented from 2013 to 2015



- Annual periodic inspection for the Multifunctional resource utilization projects implemented by MAFRA & KRC
- The first monitoring for 2 KIAHS sites (Cheongsando, Jejudo) was implemented in Nov. 2014.
- 4 KIAHS sites(Damyang, Kurye, Hadong, Keumsan) was implemented in April 2016.



ESTABLISHMENT OF CONSERVATION ACTION PLAN

- CONSERVATION MASTER PLAN
- RESOURCE SURVEY AND INVESTIGATION OF THE SURFACE

#### **ENVIRONMENT IMPROVEMENT**

- DEVELOPMENT OF EXPERIENCE CENTER
- TRAIL MAINTENANCE
- CONSERVATION AND MANAGEMENT SYSTEM

#### VALUE ENHANCING

- BRAND DEVELOPMENT
- RICE PADDY OWNERSHIP SYSTEM
- ORGANIZE CONSERVATION COUNCIL



제정 모등 입유산 정신도 구동감는의 후원이 되어주세요. 청산도 구들장는 오너제도





ESTABLISHMENT OF CONSERVATION ACTION PLAN

- CONSERVATION MASTER PLAN
- FIELD SURVEY AND ECOLOGICAL MONITORING

#### **ENVIRONMENT IMPROVEMENT**

- RESTORATION OF BATDAM AND TRAIL COURCE
- DEVELOPMENT OF EXPERIENCE THEME PARK
- INSTALL THE OBSERVATORY FOR BATDAM

#### VALUE ENHANCING

- OPERATION OF THE STONE CULTURE ACADEMY
- CULTIVATE A TALENTED PERSON FOR BATDAM
- JEJU BATDAM FESTIVALL

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- < Two-Track System for M &E of KIAHS >
- Annual periodic inspection
  - Once or twice in a year

- Final evaluation of the project after the completion of the project
  - At the 4<sup>th</sup> year after the designation as a KIAHS

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- Field inspection items
- Budget execution
- Data-base (RAISE system) building up
- The changes of the designated area as a KIAHS
- The degree the participations of the residents
- The changes of the numbers of visitor
- Capacity building and education
- Preparations for the GIAHS



- The final Evaluation about the results of Multifunctional resource utilization projects of 2 KIAHS sites(Cheonsando & Jejudo) will be implemented in Oct. 2016
  - The projects operated from 2013 to 2015 for 3 years
- KIAHS selection criteria could be adopted as a monitoring indicators after designated as a KIAHS

## **Criteria for KIAHS designation**



|                          | Historic relevance        |  |
|--------------------------|---------------------------|--|
| Significance of heritage | Representativeness        |  |
|                          | Characteristics           |  |
| Devteesta                | Cooperation               |  |
| Partnership              | Participation             |  |
|                          | Branding                  |  |
| Effectiveness            | <b>Revitalization and</b> |  |
|                          | Biodiversity              |  |

### **KIAHS Selection Criteria**

|                           | Historical Relevance                    |
|---------------------------|---|
|                           | Agricultural Production and Livelihood  |
| Values of                 | Agricultural Knowledge and Technologies |
| Agricultural<br>Heritages | Traditional Agri-Culture                |
| nontagoo                  | Remarkable Landscape                    |
|                           | Biodiversity and Sustainability         |

Community Participation and Collaboration with Local Government

#### **KIFHS Selection Criteria**



|                      | Food and Livelihood        |
|----------------------|----------------------------|
| Fratures of the      | Biodiversity               |
| Features of the      | Knowledge Systems          |
| Fisheries heritages  | Traditional Culture        |
|                      | Remarkable Landscape       |
| Historical Relevance |                            |
|                      | Policy of Local Government |
|                      | Awareness                  |
| Locality             | Sustainability             |
|                      | Enhancing Values           |

- Current Monitoring indicators
  - The number of visitors
  - Budget execution of the project
  - Community Participation
  - Establishment of data-base(ecological survey, cultural inheritance, land use and land owner using GIS...)
  - Training of heritage commentator
  - Publicity, promotion

#### **Monitoring & Evaluation**

#### □ Monitoring system for Rural development projects



| 구분 | 사업명 | 사업 내 용 | 사업비(백만원) | 운영현 황 |
|----|-----|--------|----------|-------|
|    |     |        |          |       |

#### ◈ 지구(마을) 운영현황

| 세 부점 겸 사항                      | 점검결과                |    |
|--------------------------------|---------------------|----|
| O 운영조직                         |                     |    |
| - 지구(마을) 운영을 위한 운영위원회 또는 법인 구성 | 기초인프라 사업추진으로 법인 미구성 | 26 |
| - 운영조직은 대표성을 갖는 주민들로 구성되어 있는지  | 해당없음                | 20 |
| - 주민 간, 마을 간 소통, 갈등관리를 위한 노력   | 해당없음                |    |

## **Monitoring & Evaluation Indicators**

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- $\hfill\square$  Need to Review the following contents ;
  - Satisfaction Degrees of Residents
  - Capacity Building of Stakeholders and Residents
  - Biodiversity
  - Agricultural Production
  - Implementation of conservation action plan
  - Mid-Long term Outcome factors after finished the projects



# **Concluding Remarks**

#### **Concluding remarks**

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Recently utilization of agricultural heritage systems is more and more important for the rural development and revitalizing of local community through GIAHS and KIAHS dynamic conservation.

Monitoring and evaluation system should be adopted in a near future for the sound and sustainable conservation and management of KIAHS.

Research project for KIAHS monitoring system is ongoing by Rural Research Institute, KRC.

- Funded by MAFRA



- Need to expand the current general indicators
- Biodiversity, Sustainability, Economic development, Ecological environment, Cultural inheritances are should be considered as a key indicators for the monitoring system of KIAHS.
  - The current monitoring and evaluation system of rural development projects in Korea are biased to physical indicators and restricted to a few indicators.<sup>30</sup>



- Long term approach is needed for KIAHS monitoring system
  - ongoing maintenance and monitoring after completion of the projects
- Basic principles and directions for KIAHS monitoring
  - Establishment of residents participated monitoring system
  - Construct information sharing system
  - Balance between various criteria factors

## KOREA'S IMPORTANT AGRICULTURA HERITAGE SYSTEM

pakyoonho@naver.com

감사합니다

Thank you for your attention !