

# Approaches to the Pilot Project on National Agricultural Extension Services for Food Security

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# Backgrounds

# About KAFACI

- # **Name:** Korea-Africa Food & Agriculture Cooperation Initiative
- # **Goals:** To improve food production, to achieve sustainable agriculture, and to enhance extension services of African countries through knowledge and information sharing
- # **Establishment:** July, 2010
- # **Member Countries:** 18 countries (Morocco, Tunisia, Ghana, Cote d'Ivoire, Nigeria, Senegal, Ethiopia, Kenya, Uganda, Zimbabwe, Comoros, Cameroon, Gabon, DR Congo, Angola, Malawi, Zimbabwe, Korea)
- # **Partners:** 2 agencies (AGRA, ILRI)
- # **Organization:** General Assembly, Executive Council, Secretariat

## **KAFACI Mission:**

- To facilitate technical cooperation among members to achieve food security and to increase farmers' income

## **Approaches of KAFACI Programs**

- Cooperation among public sector institutions
- Focused on agricultural technology development and transfer
- Linkage between research and extension
- Conformity with development programs of member countries
- Partnership with international agencies

# Progress of the Program

- ✚ Identified cooperation areas to secure sustainable food production in the workshop on the Green Revolution in Africa held in October 2011, Kenya.
- ✚ Approved to launch the National Agricultural Technology Dissemination program at the KAFACI Executive Council on 2 May 2012 in Suwon, Korea.
- ✚ Held a workshop to design the program in November, 2012 in Uganda.

# A Case in Thailand

- ✚ Title: Village Seed Production Project
- Donor: Asian Food and Agriculture Cooperation Initiative (AFACI)
- Approaches:
  - Developed new maize seeds by National Research Institute in 2009: **Nakhon Sawan 3 (NS3)**
  - Produce seeds at 14 villages in 2010: 20 M/T
    - 34 farmers participated
  - Release neighbor farmers cheap prices

## Output (2011)

- Participated villages: 54 villages
  - 14 villages → 31(2011)
  - Production: 20M/T (Seed 1.5t/ha)
- Participated farmers: 175 farmers
  - 34(2010) → 141(2011)
- Expanded to countrywide program of the government



## Seed production farm





## Harvest



# Funding

- ✚ Thailand Proposal: **US\$30,000/3yrs**
  - 10,000\$(2010), 10,000\$(2011). 10,000(2012)
  - ❖ **Matching fund: \$30,000**
  - AFACI increased funding: **\$65,000/3yrs**
    - Considered outstanding performance



## Outlines of the Project

- # **Title:** Enhancement of National Agricultural Extension Services for National Food Security
- # **Objectives:** promote farmers access to good seeds and appropriate agricultural technologies for food security
- # **Duration:** 3years (July 2013 ~ June 2016)
  - 2 + 1 (*to extend one year more after 2-year performance evaluation*)
- # **Participating Countries:** 10 countries
- # **Implementing Agencies:** public extension agencies
  - Central and local extension (or research) agencies
- # **Budget:** USD 40,000/years/country
- # **Expected Outcomes:** 2 times increased income of participating farmers



## Approaches





# Project Components











## Good Seeds



- National extension agency will select seeds which are certified and endorsed by government authority or released by a research institution;
- The chosen seed should be one of the food crops stated under the government food production policy; and
- National extension agency will facilitate farmers' access to good seeds through financial and technical assistance





-  **Appropriate technologies or practices for the newly released seeds**
-  National (local) extension agency will select technology and practice which are already established for the released seeds.



-  **Selection of one or two pilot villages to disseminate good seeds and appropriate technologies**
  -  The agency will select one or two villages which are mainly producing the targeted crop, but suffered from low productivity because of poor seeds and poor crop production skills/practices of farmers.
  -  The village(s) should be located less than two hour's drive (100km) away from a national (central) extension agency.
  -  The Number of project beneficiaries will be around 100 farm households per year.

-  **A local extension agent to catalyze new technology adoption of target farmers:**
  -  National (local) extension agency will select an agent living in/near to the target village so that he can provide advice to farmers quickly and efficiently.
  -  He/she should have knowledge and information about target crops and farmers.
  -  He/she will be qualified as a trainer, facilitator, and advisor of farmers.

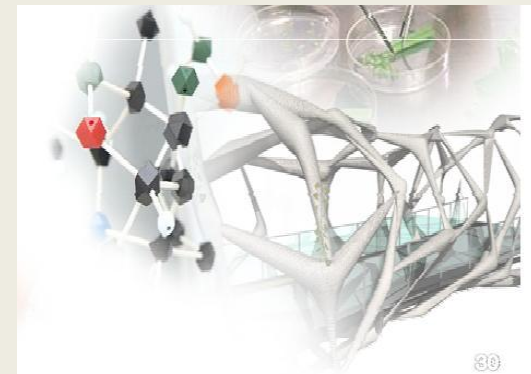
-  **Demonstration field to show differences between indigenous and innovative technologies to farmers**
-  Demonstration plot/field of 0.05 ha will be leased from the village and prepared for planting. The country will also select new and indigenous seeds of one or two important (food) crops to be tested in the field.

-  **Farmers organization (group)**
  -  The farmers group will facilitate cooperative inputs purchase, products sales, and production activities.
  
-  **Training materials (text and aids) to deliver good practices to farmers effectively.**
  -  Extension agency and research institute will work together to prepare and give training materials (texts) to farmers.



# IV

## Considerations



# Considerations

- ✚ Interaction with knowledge generation
  - Research and extension linkages, enhanced central and local relationship
- ✚ Conformity with government policy
- ✚ Transparency
- ✚ Self-reliance: use self-developed seeds, technologies, and extension methods
- ✚ Accountability to farmers: farm productivity, cost/benefit analysis
- ✚ Farmers participation
- ✚ Motivation by incentives

# How to enhance transparency

- ✚ Enhanced monitoring and evaluation
  - Evaluation agencies: Seoul National University, etc.
- ✚ Budget allocation and Execution
  - Increased ratio of project direct cost
  - Allocation budget to local agency
  - Including details on the annual financial report

# Interaction

- ✚ Implementing agencies:
  - Central extension or research agency
    - Reporting and documentation
    - Production of training materials
    - Technical advices to local agents
  - Local extension agencies
    - Implementing the project
    - Organizing farmers group
    - Consulting farmers
    - Facilitating collective inputs purchase and products sales



# Incentives

- ✚ Increase funds and project duration for successful performance
  - Extend project duration (2+1)
  - Introduce to other donor agencies
- ✚ Expand opportunities to learn more
  - Invitation of good performance agents to Korea
    - Agents and community leaders

*Thank You !*