



Rural Development
Administration

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RDA-AFACI-RATES

Improvement of Rural Agricultural Technology
Extension System in Asia



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1 . Outline of AFACI Project

Objective

- Strengthen cooperation among member-countries toward agricultural technology innovation
- Boost agricultural technology and knowledge transfer and sharing among member-countries
- Promote and strengthen human resource network and partnerships through the AFACI website
- Formulate appropriate strategies and set directions to promote sustainable agriculture and food security in the Asian region
- Participate in international efforts in promoting agricultural development in the Asian region



- ▶ **SOIL** Development of the Soil Atlas of Asia and National Soil Information System
- ▶ **Veg-Breeding** Development of Vegetable Varieties in Asia
- ▶ **PMP** Establishment of Prevention Network for Migratory Pests in Asia region
- ▶ **AFCD** Establishment of Asian Food Composition Database
- ▶ **SHR** Stress-tolerant, high yielding rice varieties suitable for AFACI member countries
- ▼ **RATES** Improvement of Rural Agricultural Technology Extension System in Asia

Outline of RATES Project

Project Title	Improvement of Rural Agricultural Technology Extension System in Asia (RATES)		
Period & Budget	Period	Year	Budget
	3 Years (Dec. 2022 – Nov. 2025)	1 (2023)	US\$ 30,000/country
		2 (2024)	US\$ 30,000/country
		3 (2025)	US\$ 30,000/country
Total	US\$ 90,000/country		
Participating Country	<p>13 Countries (Bangladesh, Bhutan, Cambodia, Indonesia, Laos, Mongolia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, Uzbekistan, Vietnam)</p>		
Cooperation Organization	GFRAS (Global Forum for Rural Advisory Services)		



II . Objectives of RATES

Objective	Details
1. Assessment of the current status of the technology dissemination system of AFACI member countries and development of extension information delivery model	<ul style="list-style-type: none"> - Provision of professional agricultural extension service and support for strengthening agricultural competitiveness through the establishment of a competency development system for agricultural extension service workers in each country - Establishing a network with the Korea Professional Extension Research Association and providing mutual learning opportunities
2. Establishment of national public resource utilization service system for agricultural sustainability	<ul style="list-style-type: none"> - Development and dissemination of models that can provide public goods (information of weather, soil and water resources) information to farmers
3. Planning & operating cooperative projects centered on the central government with joint participation by local and private sectors	<ul style="list-style-type: none"> - Operation of a demonstration complex for agricultural technology such as cultivation technology and agricultural machinery technology in conjunction with private companies
4. Improvement of project performance by setting performance- and impact-oriented indicators linked to United Nations Sustainable Development Goals (SDGs)	<ul style="list-style-type: none"> - Graded project budget upon performances - Improvement of indicators such as productivity and income growth rates of farm households benefiting from agricultural extension



III. Goals of RATES

SDG Goal 2: Zero Hunger

End hunger, achieve food security and improved nutrition and promote sustainable agriculture

Target 2.3: By 2030, double the agricultural productivity and incomes of small-scale food producers, in particular women, indigenous peoples, family farmers, pastoralists and fishers, including through secure and equal access to land, other productive resources and inputs, knowledge, financial services, markets and opportunities for value addition and non-farm employment

Indicator 2.3.1: Volume of production per labor unit by classes of farming /pastoral/forestry enterprise size

Indicator 2.3.2: Average income of small-scale food producers, by sex and indigenous status

- **(Mid / Long term Goal) Establishment and operation of a nationally customized extension project model based on improvement direction**
- **(Short term Goal) Study on current status of agricultural extension system in AFACI member countries and draw up improvement plan**

Year	Quantitative	Qualitative
1	<ul style="list-style-type: none"> - Baseline study on agricultural extension system in AFACI member countries - Country report on agricultural extension system and action plan for the improvement on current status of AES at the kickoff workshop - Capacity building program/training - Public relations to create foundation for AE 	<ul style="list-style-type: none"> - Analysis on status of agricultural extension project system - Enhancement of awareness on agricultural extension and understanding of world trend
2	<ul style="list-style-type: none"> - Development of agricultural extension system and implement the action plan - Establishment of pilot model for the application of agricultural extension system (e.g.: Agricultural extension service center, capacity building system/module, demonstration sites) - Operation of capacity building program for stakeholders in each country - Publication of manual 	<ul style="list-style-type: none"> - Suggest a system development model for agricultural extension project centered on strengthening the public sector and smallholder farms - Conduct the capacity building program for stakeholders to construct the agricultural extension system
3	<ul style="list-style-type: none"> - Country report on agricultural extension system(model) and future plan - Discover the excellent practices applying improvement plan of the agricultural extension system - Host of international symposium and project workshop - Public relations on improvement of AES in AFACI member countries 	<ul style="list-style-type: none"> - Establishment of agricultural extension model suitable for the conditions of AFACI member countries and set the development plans - Establishment of information delivery system for beneficiaries (farmers) of R&D achievements
Final	<ul style="list-style-type: none"> - Improvement of customized agricultural extension system in AFACI member countries - Strengthen the public sector on agricultural extension in each country and establishment of sustainability on AES 	



IV. RATES Management Plans

[AFACI-RDA]

- Project Management and Support
- Joint Planning on Capacity Building Program
- Make networking with 'Korea Extension Specialist' and support international relations



[GFRAS]

- Analysis of country report on agricultural extension system and capacity building System in AFACI member countries
- Cooperation on capacity building program
- Project interim and final evaluation
- Promotion



[AFACI Member Countries]

- Country report on Agricultural Extension System in AFACI member countries
- Establishment of improvement strategies and action plan based on capacity building program
- Submission of reports

Year	Activities
1	Baseline study and analysis of AES in AFACI member countries, and capacity building
	<p>[AFACI-RDA/GFRAS]</p> <p>a. Analysis of baseline studies on AES in AFACI member countries</p> <ul style="list-style-type: none"> - Understanding of the status of agricultural extension system and analysis of baseline studies from AFACI member countries - Host the project kickoff workshop and capacity building program
	<p>[AFACI Member Countries]</p> <p>a. Baseline study on agricultural extension system and set the improvement plan</p> <ul style="list-style-type: none"> - Baseline study on agricultural extension system (e.g.: human resources, budget, structure, etc.) - Submission of improvement plan - Participation in the kickoff workshop in Korea
2	Action plan and development of AES model
	<p>[AFACI-RDA/GFRAS]</p> <p>a. Project monitoring</p> <ul style="list-style-type: none"> - Classification by status of improvement plan and provide customized consulting - Summarization of analysis on baseline studies in AFACI member countries
	<p>[AFACI Member Countries]</p> <p>a. Project advancement and establishment of pilot model</p> <ul style="list-style-type: none"> - Project implementation upon advancement plan - Development and conduct the capacity building program for stakeholders (e.g.: extension service worker, farmers, etc.) of pilot model establishment - Preparation of extension manual for dissemination of pilot model

Year	Activities
3	Final evaluation of project performance and discovery of the best practices
	<p>[AFACI-RDA/GFRAS]</p> <p>a. Conduct the final evaluation of implemented activities and discovery of the best practices in AFACI member countries</p> <ul style="list-style-type: none"> - Conduct the final evaluation of project implementation and discovery of the best practices
	<p>[AFACI Member Countries]</p> <p>a. Evaluation of project performance and selection of the best practices</p> <ul style="list-style-type: none"> - Submission of country report on agricultural extension system, improvement plan and policy proposal - Presentation of project results and future plan for sustainability - Conduct the project workshop in connection with international organizations and NGOs by member country

Activity \ Year	Year 1				Year 2				Year 3			
	1/4	2/4	3/4	4/4	1/4	2/4	3/4	4/4	1/4	2/4	3/4	4/4
Baseline study												
Kickoff Workshop/Training												
Customized consulting												
Discovery of areas for improvement												
Advancement on areas for improvement												
Present the action plan												
Discovery of best practices and Evaluation												
Publicity of results												



V. Impact & Future Schedule

● Expected Impact

Establishment of a **sustainable agricultural extension system** for AFACI member countries by presenting a customized agricultural extension model **suitable for the characteristics and needs of each country.**

● Future Schedules for 2030

- **(January ~ February) Video Conference** (with participating member countries and GFRAS)
- **(March ~ April) Workshop** (invite participating member countries to launch this project and discuss development plans)
- **(October ~ November) Annual Evaluation**

We hope RATES will be successful
project with APIRAS.

Thank you for your attention.

