



# Knowledge Co-Creation Program (Group & Region Focus)

## GENERAL INFORMATION ON

**Promotion of African Rice Development for Sub-Saharan  
African Countries (A)**

**(Rice mechanization policy)**

**課題別研修「サブサハラアフリカ地域・稲作開発振興 (A)」**

**JFY 2017**

**NO. J17-04028 / ID. 1784685**

**Course Period in Japan: From September 3<sup>rd</sup>, 2017 to September 16<sup>th</sup> 2017**

This information pertains to one of the JICA Knowledge Co-Creation Program (Group & Region Focus) of the Japan International Cooperation Agency (JICA), which shall be implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both Governments.

‘JICA Knowledge Co-Creation Program (KCCP)’ as a New Start

In the Development Cooperation Charter which was released from the Japanese Cabinet on February 2015, it is clearly pointed out that *“In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field-oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn from each other and grow and develop together.”* We believe that this ‘Knowledge Co-Creation Program’ will serve as a center of mutual learning process.

# **I. Concept**

## **Background**

With the aim of improving food security and rural development, thereby contributing to poverty alleviation in Africa, JICA in partnership with Alliance for a Green Revolution in Africa (AGRA) launched an initiative known as “Coalition for African Rice development” (CARD\*) in May 2008 and has supported rice promotion in Sub-Saharan African countries.

The 23 targeted countries of CARD formulated National Rice Development Strategy (NRDS) and have intended to implement rice promotion projects according to the NRDS. At the same time, farm mechanization and seed production, public private partnership and other issues have been discussed as specific policy themes considering the current situation and the further direction.

\*CARD is an initiative to support the efforts of African countries to increase rice production and a consultative group of donors, research institutions and other relevant organizations to work with rice producing African countries. Its goal is to double the rice production in Africa from the present 14 million tons/year to 28 million tons/year by 2018. It also aims at capacity development on policy making through policy meeting.

Target countries of CARD are Cameroon, Ghana, Guinea, Kenya, Madagascar, Mali, Mozambique, Nigeria, Senegal, Sierra Leone, Tanzania, Uganda (First Group), and Benin, Burkina Faso, CAR, Cote d’Ivoire, DR Congo, Liberia, Rwanda, The Gambia, Togo (Second Group).

## **For what?**

This program aims to support Sub-Saharan Countries to accelerate efforts for rice promotion and to contribute to the target of CARD initiative.

## **For whom?**

This program is offered to a CARD/NRDS focal point and an officer in charge of Policies for Promotion of Rice Mechanization (policy planning, implementation, management and operation of rice mechanization) in government organizations.

## **How?**

The participants shall have opportunities to identify useful approaches and effective strategies to promote rice production in general, and in particular in the area of promoting rice mechanization in respective countries through lectures, discussions, and field trips in Japan. The participants will also formulate proposal to improve situations in their home countries, describing what they will do after going back to their countries, putting the knowledge and ideas acquired in this program together, and integrating them into the currently on-going activities in their countries.

## ***II. Description***

**1. Title (J-No.):**

Promotion of African Rice Development for Sub-Saharan African Countries(A) (Rice mechanization policy) (J1704028)

**2. Course Period in JAPAN**

September 3rd to September 16th, 2017

**3. Target Regions or Countries**

Gambia, Ghana, Kenya, Liberia, Nigeria, Sierra Leone, Uganda and Zambia

**4. Eligible / Target Organization**

This program is designed for a CARD/NRDS focal point and an officer in charge of Policies for Promoting Rice Mechanization (policy planning, implementation, management and operation of rice mechanization) in government organizations.

**5. Course Capacity (Upper limit of Participants)**

16 participants

**6. Language to be used in this program:**

English

**7. Course Objective:**

Technical Capacity of the participating organization has been improved for implementation of the National Rice Development Strategy (NRDS) as well as policy planning, implementation, management and operation for promotion of rice mechanization.

**8. Overall Goal**

Activities for rice promotion and for implementation of NRDS have been accelerated in participating countries to achieve the goal of CARD.

## 9. Expected Module Output and Contents:

This program consists of the following components. Details on each component are described as below:

Expected Module Output	Subjects/Agendas	Methodology
To formulate and present Inception Report  (* Formulation of Inception Report in participants' home countries)	(1) Sharing of the progress made and challenges in the NRDS implementation in the participants' home countries  (2) Sharing of the current situation and challenges faced by the rice sector, particularly in promoting rice mechanization, in the participants' home countries	Practice and Presentation
To understand technical experience in Japan	(1) Having lectures and/or reading materials about Japanese experiences  (2) Deepening the knowledge through discussions with lecturers  (3) Visit Agri-Food Business Innovation Center, Agricultural Machinery Manufacturers, agriculture cooperatives, farmers and Ministry of Agriculture, Forestry and Fisheries to learn policy, institution, operation and management of rice mechanization	Lecture, Discussion, and Field Trip
To learn good practices/efforts and challenges in the policy, planning, implementation, institutional setting and operation and management of rice mechanization in other countries	(1) Learning the best practices to obtain ideas for improving current situation of participants' countries  (2) Analysis on technical difficulties in participating counties  (3) Exchanging views and opinions to elaborate the way of application of successful cases from other countries to participants' home countries	Presentation and Discussion
To formulate action plan to improve current situation in policy planning, institutions, operation and management of rice mechanization	Mapping out strategies with concrete actions to be taken for improved policy, planning, and institutional arrangements for promoting rice mechanization.	Presentation and Discussion

\*Details are subject to changes.

### **III. Conditions and Procedures for Application**

#### **1. Expectations from the Participating Organizations:**

- (1) This project is designed primarily for organizations that intend to address specific issues or problems identified in their operations. Applying organizations are expected to use the Program for those specific purposes.
- (2) In this connection, applying organizations are expected to nominate the most qualified candidates to address the said issues or problems, carefully referring to the qualifications described in section III-2 below.
- (3) Applying organizations are also expected to be prepared to make use of knowledge acquired by the nominees for the said purpose.

#### **2. Nominee Qualifications:**

Applying Organizations are expected to select nominees who meet the following qualifications.

##### **(1) Essential Qualifications**

- 1) Current Duties: be a CARD/NRDS focal point or a member of NRDS Taskforce and an officer in charge of planning and implementation of policies for promotion of rice mechanization.
- 2) Experience in the relevant field: have more than 7 years' experience in the relevant field of agricultural policy, rice production or rice mechanization policy.
- 3) Educational Background: be a graduate of university or equivalent
- 4) Health: must be in good health, both physically and mentally, to participate in the Program in Japan. Pregnant applicants are not recommended to apply due to the potential risk of health and life issues of mother and fetus.

##### **(2) Recommendable Qualifications**

- 1) Age: Between the ages of thirty two (32) and fifty (50) years, Preferably (but not necessarily)

#### **3. Required Documents for Application**

- (1) **Application Form:** The Application Form is available at **the JICA office (or the Embassy of Japan)**.
- (2) **Questionnaire:** to be submitted with the Application Form. Fill in Annex I of this General Information, and submit it along with the Application Form.
- (3) **Photocopy of passport:** to be submitted with the application form, if you possess your passport which you will carry when entering Japan for this program. If not, you are requested to submit its photocopy as soon as you obtain it.

\*Photocopy should include the followings:

Name, Date of birth, Nationality, Sex, Passport number and Expire date.

#### **4. Procedures for Application and Selection :**

##### **(1) Submission of the Application Documents:**

Closing date for applications: **June 15, 2017 or earlier**, Please inquire to the **JICA office (or the Embassy of Japan)**.

(After receiving applications, the JICA office (or the Embassy of Japan) will send them to the JICA Center in JAPAN by **June 29, 2017**)

##### **(2) Selection:**

After receiving the documents through proper channels from your government, the JICA office (or the embassy of Japan) will conduct screenings, and then forward the documents to the JICA Center in Japan. Selection will be made by the JICA Center in consultation with **CARD Secretariat**.

*The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection. Qualifications of applicants who belong to the military or other military-related organizations and/or who are enlisted in the military will be examined by the Government of Japan on a case-by-case basis, consistent with the Development Cooperation Charter of Japan, taking into consideration their duties, positions in the organization, and other relevant information in a comprehensive manner.*

##### **(3) Notice of Acceptance**

Notification of results will be made by the JICA office (or the Embassy of Japan) not later than **July 10, 2017**.

#### **5. Document(s) to be submitted by accepted candidates:**

Inception Report -- to be submitted by **August 10, 2017**:

Before coming to Japan, only accepted candidates are required to prepare an Inception Report (detailed information is provided in the ANNEX II "Inception Report").

#### **6. Conditions for Attendance:**

- (1)** to strictly adhere to the program schedule.
- (2)** not to change the program topics.
- (3)** not to extend the period of stay in Japan.
- (4)** not to be accompanied by family members during the program.
- (5)** to return to home countries at the end of the program in accordance with the travel schedule designated by JICA.
- (6)** to refrain from engaging in any political activities, or any form of employment for profit or gain.

- (7) to observe Japanese laws and ordinances. If there is any violation of said laws and ordinances, participants may be required to return part or all of the training expenditure depending on the severity of said violation.
- (8) to observe the rules and regulations of the accommodation and not to change the accommodation designated by JICA.

## IV. Administrative Arrangements

### 1. Organizer:

- (1) **Name:** JICA Tsukuba
- (2) **Contact:** Ms. Fumiko HIRAOKA ([tbictp@jica.go.jp](mailto:tbictp@jica.go.jp))

### 2. Implementing Partner:

- (1) **Name:** NTC International Co., Ltd.
- (2) **URL:** <http://www.ntc-i.co.jp>

### 3. Travel to Japan:

- (1) **Air Ticket:** The cost of a round-trip ticket between an international airport designated by JICA and Japan will be borne by JICA.
- (2) **Travel Insurance:** Coverage is from time of arrival up to departure in Japan. Thus traveling time outside Japan will not be covered.

### 4. Accommodation in Japan:

JICA will arrange the following accommodations for the participants in Japan:

JICA Tsukuba International Center (JICA Tsukuba)  
Address: 3-6 Koyadai, Tsukuba, Ibaraki 305-0074, Japan  
TEL: +81-29-838-1111 FAX: +81-29-838-1776  
(where “81” is the country code for Japan, and “29” is the local area code)

If there is no vacancy at JICA Tsukuba, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of TBIC at its URL, [https://www.jica.go.jp/tsukuba/english/office/c8h0vm00009y1r70-att/tsukuba\\_facility.pdf](https://www.jica.go.jp/tsukuba/english/office/c8h0vm00009y1r70-att/tsukuba_facility.pdf)

### 5. Expenses:

The following expenses will be provided for the participants by JICA:

- (1) Allowances for accommodation, meals, living expenses, outfit, and shipping
- (2) Expenses for study tours (basically in the form of train tickets.)
- (3) Free medical care for participants who become ill after arriving in Japan (costs related to pre-existing illness, pregnancy, or dental treatment are not included)
- (4) Expenses for program implementation, including materials

For more details, please see “III. ALLOWANCES” of the brochure for participants titled “KENSU-IN GUIDE BOOK,” which will be given before departure for Japan.

## **6. Pre-departure Orientation:**

A pre-departure orientation will be held at the respective country's JICA office (or Japanese Embassy), to provide participants with details on travel to Japan, conditions of the workshop, and other matters.

## ***V. Other Information***

1. Although JICA Tsukuba is equipped with computer rooms, it is recommended that participants bring their laptop personal computers.

## ***VI. ANNEX:***

- I. Questionnaire for Application
- II. Inception Report

# ANNEX I:

## Questionnaire for Application

Participants are requested to submit the questionnaire including following items, together with the Application Form. The questionnaire will be used for the screening of candidates. In filling the questionnaire, please communicate CARD/NRDS focal point of respective countries.

The report should be typewritten **in English** on A4 size paper (21 cm x 29.5 cm) in single spacing at maximum of 3 pages.

### 1. **Basic Information**

Name	
Organization	
Position	

### 2. **Current Situation concerning implementation of NRDS and CARD related activities, as well as alignment in your country.**

- (1) Summary progress in the implementation of NRDS  
Consulting the CARD Focal Point in your country, please write the short summary of the achievements and on-going activities concerning NRDS implementation and other CARD-related activities.
- (2) Summary of current situation of mechanization in your country  
Please write the short summary of current status, achievements, on-going activities, and challenges concerning mechanization in general, and rice mechanization in particular, in your country.
- (3) List up successful experiences (good practices) in promotion of agricultural mechanization in your country, in terms of policy, implementation, operation and management.

### 3. **Duties of Your Organization/Department and Yourself**

- (1) Duties of your organization in general, planning and implementation of policies for mechanization promotion in particular, as well as the implementation of NRDS (if applicable)
- (2) Duties of your department in general, planning and implementation of policies for mechanization promotion in particular, as well as the implementation of NRDS (if applicable)
- (3) Duties of yourself in general, planning and implementation of policies for mechanization promotion in particular, as well as the implementation of NRDS (if applicable)

## ANNEX II:

### *Inception Report*

- **Participants are requested to submit the Inception Report including following items to Ms. Hiraoka ([tbictp@jica.go.jp](mailto:tbictp@jica.go.jp)) by August 10, 2017.** (Some of the items are included in the questionnaire which you would submit together with the application form.)
- The report should be typewritten **in English** on A4 size paper (21 cm x 29.5 cm) in single spacing **at maximum of 6 pages**.
- **Participants will be asked to make a presentation (10-15 minutes) by each country on the Report in Japan. Please prepare a presentation material**, for instance, using Power Point.
- It is advised to bring photographs, agricultural statistics and other reference materials with you.
- **At the end of the course, participants will make an Action Plan to solve the challenges described in the Report.**

#### **1. Basic Information**

Name	
Country	
Organization	
Position	

#### **2. Duties of Your Organization/Department and Yourself**

- (1) Duties of your organization in general, planning and implementation, of policies for mechanization promotion in particular, as well as the implementation of NRDS (if applicable)
- (2) Duties of your department in general, planning and implementation of policies for mechanization promotion in particular, as well as the implementation of NRDS (if applicable)
- (3) Duties of yourself in general, planning and implementation of policies for mechanization promotion in particular, as well as the implementation of NRDS (if applicable)
- (4) Have been involved in NRDS formulation/ implementation or any CARD related activities in your country?
- (5) Please list all the CARD/NRDS events you have participated, for example,
  - a) CARD General Meetings,
  - b) Regional Workshop of NRDS Formulation,
  - c) training visit to Nairobi,

- d) participation to the CARD Working Week as a core / full member of the NRDS Task Force, Seed Task Force, Mechanization Task Force, or
- e) other meetings on consultation / validation and launching of NRDS, Rice Seed Development Strategy, and/or Mechanization Strategy

### **3. Current Situation of NRDS (National Rice Development Strategy) and Rice Sector in Your Country**

- (1) Consulting the CARD Focal Point in your country, please briefly describe achievements and on-going activities concerning NRDS implementation and other CARD-related activities.
- (2) Consulting the CARD Focal Point in your country, please briefly describe achievements, on-going activities, and challenges concerning general rice sector development in your country.

### **4. Current Situation concerning rice mechanization**

- (1) Please describe the current status of rice mechanization – The degree of mechanization in;
  - i) rice production such as land preparation, transplanting, and weeding,
  - ii) harvesting,
  - iii) postharvest such as drying, milling and processing.Also describe what kind of mechanization is prevailing in your countries (e.g. motorized machineries, animal traction, improved and non-motorized tools and equipment)
- (2) Please describe the details of current owners and/or users of the farm machineries (e.g. mechanization service providers, individual farmers –large, medium or small scale, agricultural companies, commercial millers, cooperatives/farmers' groups)
- (3) Please describe geographical areas where rice mechanization is more common (e.g. name, scale of production, distance from major markets, and type of agro-ecology such as irrigated or rain-fed).
- (4) Please describe the financing mechanism that exists in your country that can be useful to promote mechanization. (e.g. financing from banks, financial programs provided by the public entities)
- (5) Please describe the major private sector players involved in the rice mechanization in your country (e.g. machinery importers, farm machineries dealers/distributors, machinery service providers, spare parts providers, millers, processors, maintenance service providers, financial service providers).

- (6) Please describe the government policies, programs and/or support regarding the promotion of agricultural mechanization in general, and rice mechanization in particular (if available)  
(e.g. who are the target beneficiaries, what kind of benefit the beneficiaries get, what are the models of mechanization that policies/program would like to promote; mechanization services, individual ownership, etc., and approaches that government takes such as PPP, cooperatives, among others.
- (7) Please list up challenges in rice mechanization in your country.
- (8) Please describe your tentative idea for solving the challenges mentioned in the above question (7) or improving the current situation
- (9) Please describe the case (if any) where rice mechanization are successfully done in a well-organized, effective and efficient manner in your country.
- (10) Please describe the details of the case: Location, the name of involved stakeholders such as development partners, NGOs and private sector, areas of mechanization such as production, harvesting and/or post-harvest, ownership of the machineries, applied approach such as private-drive, cooperatives and/or others, role of each stakeholder, policy/legal framework that supported the successful cases, institutional arrangement and all other relevant aspects.

## *For Your Reference*

### **JICA and Capacity Development**

The key concept underpinning JICA operations since its establishment in 1974 has been the conviction that “capacity development” is central to the socioeconomic development of any country, regardless of the specific operational scheme one may be undertaking, i.e. expert assignments, development projects, development study projects, training programs, JOCV programs, etc.

Within this wide range of programs, Training Programs have long occupied an important place in JICA operations. Conducted in Japan, they provide partner countries with opportunities to acquire practical knowledge accumulated in Japanese society. Participants dispatched by partner countries might find useful knowledge and re-create their own knowledge for enhancement of their own capacity or that of the organization and society to which they belong.

About 460 pre-organized programs cover a wide range of professional fields, ranging from education, health, infrastructure, energy, trade and finance, to agriculture, rural development, gender mainstreaming, and environmental protection. A variety of programs and are being customized to address the specific needs of different target organizations, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

### **Japanese Development Experience**

Japan was the first non-Western country to successfully modernize its society and industrialize its economy. At the core of this process, which started more than 140 years ago, was the “*adopt and adapt*” concept by which a wide range of appropriate skills and knowledge have been imported from developed countries; these skills and knowledge have been adapted and/or improved using local skills, knowledge and initiatives. They finally became internalized in Japanese society to suit its local needs and conditions.

From engineering technology to production management methods, most of the know-how that has enabled Japan to become what it is today has emanated from this “*adoption and adaptation*” process, which, of course, has been accompanied by countless failures and errors behind the success stories. We presume that such experiences, both successful and unsuccessful, will be useful to our partners who are trying to address the challenges currently faced by developing countries.

However, it is rather challenging to share with our partners this whole body of Japan’s developmental experience. This difficulty has to do, in part, with the challenge of explaining a body of “tacit knowledge,” a type of knowledge that cannot fully be expressed in words or numbers. Adding to this difficulty are the social and cultural systems of Japan that vastly differ from those of other Western industrialized countries, and hence still remain unfamiliar to many partner countries. Simply stated, coming to Japan might be one way of overcoming such a cultural gap.

JICA, therefore, would like to invite as many leaders of partner countries as possible to come and visit us, to mingle with the Japanese people, and witness the advantages as well as the disadvantages of Japanese systems, so that integration of their findings might help them reach their developmental objectives.



***CORRESPONDENCE***

For enquiries and further information, please contact the JICA office or the Embassy of Japan. Further, address correspondence to:

**JICA Tsukuba International Center (JICA Tsukuba)**  
**Address: 3-6, Koyadai, Tsukuba-shi, Ibaraki-ken 305-0074, JAPAN**  
TEL: +81-(0)29-838-1111 FAX: +81-(0)29-838-1776  
Email: [tbictp@jica.go.jp](mailto:tbictp@jica.go.jp)