



Knowledge Co-Creation Program (Group & Region Focus)

GENERAL INFORMATION ON

**Farmer-led Extension Method
- Curriculum Development for Motivating Farmers - (B)**

課題別研修「農民主導による普及手法」
～農民の自発性を高めるカリキュラム開発～ (B)

JFY 2017

NO. J1704342 / ID. 1784696

From January 8 to February 8, 2018

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

Shortage of the extension workers and inadequacy of facilities/equipment is raised as one of the main problems of agricultural extension in developing countries. It is often difficult, however, to secure new monetary and human resources in order to solve these problems because of political reasons such as financial difficulties and privatization. Thus, it implies limitations on the conventional approaches that an extension worker visits hundreds of farmers and gives advices.

For what?

Farmer-led extension could be one of the solutions to these problems of conventional extension systems. It can not only reduce financial burdens, but also have positive influences on diversity of farming and equal benefits for the target people of extension. For example, farmer-led extension can more involve women, who have not been recognized as the scope of extension despite their functions in farming activities and collective resource management.

For whom?

In farmer-led extension, an attitude of the extension workers also has to change. They are desired to be a promoter who provides a training opportunity, an organizer who mobilizes the farmers or a mentor who advises mildly scientific methods and experiences, rather than “a teacher”. In developing countries, however, it is difficult for the most of the extension workers to deal with a farmer’s problem in a scientific manner, because they have been given little practical training through the whole education. Additionally, often extension workers cannot identify the point of farmer’s problem because of insufficient understanding of its importance or lack of their skill of communication, and do not pay attention to information provided by the farmers.

How?

The participants in this training program will design a practical curriculum, learning a scientific thinking way and rural-developmental ideas. They are expected to plan and manage farmer-led extension such as Farmer Field School and Farmer-to-Farmer Extension. So, the program targets those who can draw up and execute a plan of extension activities by themselves. An experience of farmer-led extension is not required because the program is basic level. The program is a practical training course. It is designed to not only develop a curriculum, but also enable the participants to make the farmers open their eyes to excitement and importance of scientific experiment. Moreover, they will learn the development process in Tokachi region, the biggest food basket in Japan, where the farmers used to live in poverty. Finally, they will design the contents of extension activities for sound development in rural areas.

II. Description

1. **Title (J-No.): Farmer-led Extension Method**
 ~Curriculum Development for Motivating Farmers~(B) (J1704342)
2. **Course Period in JAPAN:**
 January 8 to February 8, 2018
3. **Target Countries:**
 Ghana, Rwanda, Kosovo, Afghanistan, Burkina Faso, Tajikistan, Uzbekistan
4. **Eligible / Target Organizations:**
 This program is designed for public organization responsible for extension of agricultural technology such as agricultural extension offices.
5. **Course Capacity(Upper limit of Participants):**
 12 participants
6. **Language to be used in this Program:** English
7. **Course Objective:**
 Farmer-led extension is executed by the participants after returning.
8. **Overall Goal:**
 A number of extension workers who can draw up and execute farmer-led extension increase.
9. **Expected Module Output and Contents:**
 This program consists of the following components. Details on each component are given below.

Expected Module Output	Subjects/Agendas	Methodology
1. To be able to develop a curriculum which will be used in farmer-led extension activities.	<ul style="list-style-type: none"> •Curriculum for agricultural education •Participatory approach •Management education and theory •Agriculture high school •Agricultural extension center •Home project for farmer's school •Simulation of farmer's school •Planning of education curriculum 	Lecture, Observation, Practice

2. To be able to explain the relationship between basic and the applied science.	<ul style="list-style-type: none"> • Chemistry(simple experiment by using chemical fertilizer) • Biology(characteristics and processing of vegetable) • Physics(measurement and statistics) • Agrology(simple experiment for soil analysis) 	Lecture, Practice
3.To be able to explain the role of agriculture including both crops and livestock in terms of community development.	<ul style="list-style-type: none"> • Role of the agricultural cooperative for community development • Obihiro Centennial City Museum • Agricultural cooperative • Agricultural product-processing factory • Upland crop farmer and livestock farmer • Farmer's market • Agricultural high school 	Lecture, Observation
4. Action plan concerning farmer-led agricultural extension activities which will be implemented after returning is formulated.	<ul style="list-style-type: none"> • Formulation of extension plan by using education curriculum • Discussion and presentation of extension plan 	lecture, practice

The schedule is subject to change due to the coordination of curriculum.

※ **Finalization Phase in respective countries**

1. Action plan will be discussed within the organization of participants.
2. Action plan will be implemented.
3. Participants are requested to submit a report on their activities by answering "Questionnaire on the progress of the JICA ex-participants' activity" to JICA Hokkaido International Center(Obihiro) by e-mail(jicaobic@jica.go.jp) six months after returning to their countries.

III. Conditions and Procedures for Application

1. Expectations from the Participating Organizations:

- (1) This program is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Participating organizations are expected to utilize the program for those specific purposes.
- (2) This program is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the program to meet specific requirements of

applying organizations and effectively facilitate them toward solutions for the issues and problems.

2. Nominee Qualifications:

Applying organizations are expected to select nominees who meet the following qualifications:

(1) Essential Qualifications;

- 1) Current duties: those who are responsible for planning and implementation of agricultural extension activities such as agricultural instructors and extension officers.
- 2) Experience in the relevant fields: more than three (3) years of practical experience,
- 3) Educational background: be university graduates or equivalent,
- 4) Age: be under forty-five (45) years.
- 5) Language: competent command of spoken and written English, which is equal to TOEFL iBT* 72 (CBT** 200/PBT*** 533) or more (the program is commanded by English; therefore participants are requested to have sufficient English ability).
 - ① *iBT: Internet-Based Testing/ **CBT: Computer-Based Testing/
 - ② ***PBT: Paper-Based Testing
- 6) 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.

3. Required Documents for Application:

(1) Application Form: The Application Form is available at **the JICA office (or the Embassy of Japan)**.

(2) 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.

(3) Nominee's English Score Sheet: to be submitted with the application form. If you have any official documentation of English ability. (e.g., TOEFL, TOEIC, IELTS)

(4) Inception Report: (*ANNEX:Attachment*)

4. Procedure for Application and Selection :

(1) Submission of the Application Documents:

Closing date for applicants: **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 **October 25, 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 concerned organizations in Japan. 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 shall be made by the JICA Office (or the Embassy of Japan) **not later than November 28, 2017.**

5. 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:

Name: JICA Hokkaido International Center (Obihiro)

Contact: jicaobic@jica.go.jp

2. Implementing Partner:

Name: Obihiro University of Agriculture and Veterinary Medicine

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 Hokkaido International Center (Obihiro)

Address: 1-2, Minami 6-chome, Nishi 20-jo, Obihiro, Hokkaido, 080-2470, Japan

TEL: 81-155-35-1210 FAX: 81-155-35-1250

(where "81" is the country code for Japan, and "155" is the local area code)

If there is no vacancy at OBIC, JICA will arrange alternative accommodations for the participants.

5. Expenses:

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

(1) Allowances for accommodation, meals, living expenses, outfit, and shipping.

(2) 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).

(3) 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. Participants who have successfully completed the training program will be awarded a certificate by JICA.

2. School visit

For the purpose of the promotion of "international education", this training program includes a school visit to Japanese local elementary or junior high schools as well as communities. All the participants are requested to take part in this exchange program. To introduce your country, it is advisable for participants to bring some

- (1) musical instruments, and/or popular music CDs,
- (2) crafts,
- (3) photos of foods, clothes, housings, and families of participants (digital data are preferable) and so on.

There are also some cases to introduce their country's dances and games.

3. Medical history

In case you have or have had malaria, you are kindly requested to bring the medicine for malaria with you because it is quite difficult to obtain it in Japan.

4. Climate

The climate condition in Obihiro is given below. Participants are advised to prepare appropriate clothes.

		Winter		/		Spring		/		Summer		/		Autumn		/		Winter	
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.						
Temp.(°C)	Max.	-1.9	-0.6	4.0	11.9	17.6	20.8	23.5	25.2	21.5	15.6	8.0	1.1						
	Ave.	-7.5	-6.2	-1.0	5.8	11.1	14.8	18.3	20.2	16.3	10.0	3.2	-3.7						
	Min.	-13.7	-12.6	-6.0	0.6	5.7	10.3	14.5	16.4	12.1	4.8	-1.5	-8.9						
Humidity (%)		70	70	68	66	66	69	79	83	82	79	73	68						
Precipitation (mm)		42.8	24.9	42.4	58.9	81.0	75.5	106.4	139.1	138.1	75.0	57.6	46.1						

(Average from 1981 to 2010)

5. Items to be lent to participants by JICA

JICA provides participants with the following necessary items during the training period;

- 1) rain jackets & trousers
- 2) work jackets & trousers
- 3) rubber boots
- 4) warm jackets

*Therefore, participants don't need to take own items above.

VI. ANNEX:

Attachment

Inception Report

Participants are requested to prepare the Inception Report on the following issues and submit it to the respective country's JICA Office with Application by **October 25, 2017**.

a. Purposes

- (1) To clarify issues and problems presently faced in their work in order to facilitate the acquisition of techniques, knowledge and ideas leading to solutions during the training program.
- (2) To provide advance information regarding issues and problems faced by participants to lecturers and organizations concerned with the program as a point of reference in finding solutions.

b. Contents

- (1) Name of training program
- (2) Name of applicant
- (3) Name of country
- (4) Name of organization
- (5) Organization chart
- (6) Roles of the organization and the department to which the applicant belongs
- (7) Agricultural condition of your area (temperature, precipitation, soil type, main crop)
- (8) Agricultural extension system and related organization in your area
- (9) Introduction of the work of which the applicant has been in charge for the last one year
- (10) Typical day time schedule and typical week schedule of your daily work
- (11) Tasks or challenges of your organization for this year, how to approach those tasks or challenges specifically, and what is the facing problems or obstacle (bottle neck) of those tasks and challenges.
- (12) Subjects in which the applicant is particularly interested in this program and the reasons

* Please describe briefly for (1) to (6), and in detail in (7) to (12).

c. Layout

Typewritten in English, around 5 pages (12-point font, double spaced, A4 size paper)

d. Presentation

The Inception Report is to be presented by each participant using MS PowerPoint at the beginning of the program.

- (1) The time allocation for each presentation of the Inception Report will be about 5-7 minutes.
- (2) It is advisable to bring some materials such as pictures or other visual aids to show your country's agricultural situation.

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 Hokkaido International Center (Obihiro)

Address: 1-2, Minami 6-chome, Nishi 20-jo, Obihiro-city, Hokkaido, 080-2470, Japan

TEL: +81-155-35-1210 FAX: +81-155-35-1250

Website: www.jica.go.jp/english/

E-mail: jicaobic@jica.go.jp