



Online and Face-to-Face (in Japan)

Knowledge Co-Creation Program (Group and Region Focus)

Greenhouse and Related Technologies for Market-Oriented Agriculture



Course Number: 202515066J001

Course Period: September 14- December 12, 2026

Online Program Period: September 14 - October 10, 2026

Face-to-Face Program Period: October 13 - December 12, 2026

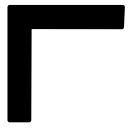


NOTE: Adobe Acrobat Reader DC and Google Chrome are recommended as PDF viewer. JAWS and NVDA are recommended as screen reader.

NOTE: If there are any difficulties in reading this document, please contact JICA Office in your country or JICA Center in Japan.

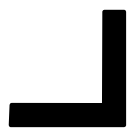
NOTE: Depending on the circumstances, some or all of the program periods may be changed or cancelled after the application has been accepted.

市場志向による施設栽培技術



How can we utilize greenhouse and related technologies to produce horticultural crops that meet market needs?

Gain insight to the adaptation of market-oriented farming methods and facility cultivation techniques to small-scale farmers.



Outline

The aim of this program is to disseminate market-oriented farming methods and facility cultivation techniques to small-scale farmers and agricultural product distributors in the participant's working area. For this purpose, this course focus on the collection of market information, improvement of farming plans based on the analysis of market information, and facility cultivation techniques to realize such improvement through lectures and practical programs at JICA Tsukuba, as well as study tours to domestic regions in Japan that can be used as references.

The sessions will be held online and in Japan. All sessions are carried out in English.

The period of the program is from September 14 - December 12, 2026
Course Capacity:
15 participants



JICA Knowledge Co-Creation Program (KCCP)

The Japanese Cabinet released the Development Cooperation Charter in June 2023, stated 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 foundation of mutual learning process.

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For What?

Background

In developing countries such as Southeast Asia region and elsewhere, consumer demand for food products is expanding and their needs are diversifying as the incomes of the wealthy and middle class increase in line with economic growth. Although food production in these countries is mainly carried by small-scale farmers, the current situation is not sufficiently conducive to improving the income of small-scale farmers because they do not sufficiently practice horticultural management to meet market needs (product, timing, quantity, and quality).

This KCCP aims to promote the practice and dissemination of market-oriented greenhouse and related technologies in developing countries, and to contribute to the improvement of small-scale farmers' incomes and the development of food value chains (FVCs).

Objectives

To acquire the knowledge and skills necessary for participants to disseminate market-oriented farming methods and greenhouse and related technologies based on the analysis of issues in each region.

Expected outputs

1. To analyze the current situation and challenges related to facility cultivation in the country.
2. To acquire the knowledge to collect and analyze information on the market needs (product, timing, quantity, and quality) in the working area.
3. To acquire the knowledge and experience to understand the characteristics of facility cultivation and to explain them to stakeholders in the working area.
4. To acquire the knowledge to improve/modify existing farming plans based on the results of market needs analysis and utilizing the advantage of the features of facility cultivation.
5. To develop an action plan for the introduction of market-oriented facility cultivation in the working area.

To Whom?

Job Areas and Organizations

Public institutions that conduct vegetable production techniques extension.

*Officers in a position to supervise and prepare work plans of agricultural extension officers is recommended.

Targeted Countries

Albania, Antigua and Barbuda, Botswana, Jamaica, Kyrgyz, Lebanon, Mongolia, Mozambique, Philippines, Tajikistan

Participants who have successfully completed the program will be awarded a certificate by JICA.



When?

Online Program Period



From September 14, 2026
to October 10, 2026
All participants will be connected via Zoom to see on-demand videos and Q&A sessions.

Face-to-Face Program Period



From October 13, 2026(arrival)
to December 12, 2026(departure)

Where?

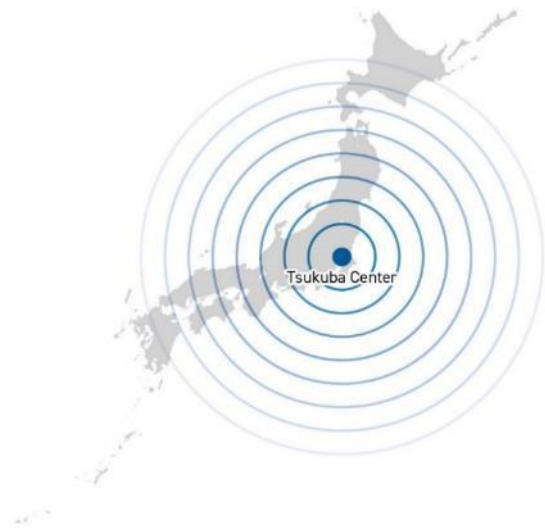
This course is carried out online first, and secondly at JICA Tsukuba Center.

<Online Program>

You will join the Zoom sessions or video watching at your office or home. As the online lectures and Q&A sessions are going to be held to assist your learning process, you are required to have a certain IT environment. For detail, see page11.

<Face to face program in JAPAN>

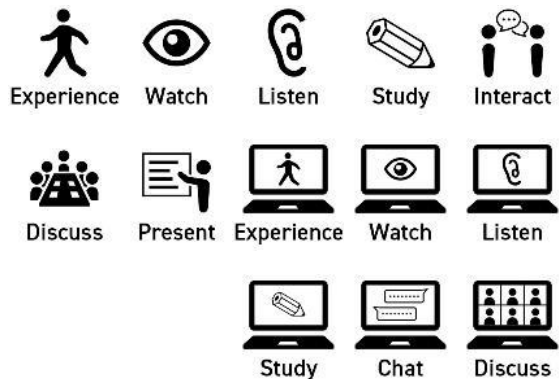
Lectures and field practice on facility cultivation and FVC, as well as visits to Japanese case studies. In this program, various 'Protected Cultivation' methods, such as mulching and tunnel cultivation, are also addressed. These techniques are aimed at stabilizing the growing environment for crops



How?

How to Learn

- Online/on-demand Lectures
- Online Interactive Q&A Session
- Face-to-Face Lecture/ Interactive Q&A Session
- Field Visits
- Discussions
- Presentations



Language

English

Commitment to the SDGs



Program Structure

Online Program (September 14 ~ October 10)

Pre-briefing of the course
Interviews with local farmers and market
On-demand Lectures about FVCs & facility cultivation
Inception Report Preparation

In Japan Program (October 13 ~ December 12)

Program orientation & Course orientation
Briefing
Inception Report Presentation
Lecture, Field Work, Workshop, Field Visit, Discussion
Action plan Presentation
Closing Ceremony
Evaluation Meeting



Program Highlights

This training program is designed to provide a well-balanced mix of **lectures**, **field practice**, **group exercises**, and **study visits** to help participants gain both technical knowledge and practical skills.



Lectures cover key topics in market-oriented vegetable farming. These include **greenhouse cultivation** (also known as **facility cultivation** or **protected agriculture**), **vegetable production techniques**, **marketing**, **food value chains**, and **government policies** that support farmers. Participants will learn how controlled environments and policy support can improve productivity, quality, and income.



Field practice gives participants hands-on experience in vegetable farming. Activities include **sowing seeds**, **raising seedlings**, **pest control**, **bok choy harvesting**, and **mock sales**. These help participants understand each step of production and apply practical methods.



Group exercises focus on creating **agriculture and business plans** suited to each participant's region. These sessions encourage problem-solving, teamwork, and the exchange of ideas.



Study visits take participants to **farmers' markets**, **smart farming sites**, and **seedling and processing centers**. These visits show how modern technology and good planning are used in real farming and distribution.

Participants will also join a **one-week study tour** to explore **irrigation systems**, **local agricultural planning**, and **distribution practices**. They will learn how farmers, local governments, and private sectors work together to build strong agricultural communities. Through this program, participants will gain new ideas and skills they can apply in their own work environments, and will also have the chance to connect with agricultural professionals from various countries.



Management Members

Implementing Partner: Course Leader

Under Planning



Under Planning



Technical Advisors

Crop Production

Dr. HAYASHI Hisayoshi

JICA Tsukuba Center



Plant Protection

Dr. KATO Masayasu

JICA Tsukuba Center



Soil Science

Dr. MATSUO Kazuyuki

JICA Tsukuba Center



Food Value Chain

Mr. KAKINUMA Shota

JICA Tsukuba Center



Program Officer

Mr. NEMOTO Takuya

Training Program Division

JICA Tsukuba Center





FY2025 Participants:
 Laos(2) Mongolia(1)
 Philippines(3) Sudan(1)

[Click here](#)



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 for the Facebook post



Eligibility and Procedures

1. Expectations to the Applying Organizations

- (1) This course is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Participating organizations are expected to use the program for those specific purposes.
 - (2) This course is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the course to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.
 - (3) As this course is designed to facilitate organizations to come up with concrete solutions for their issues, participating organizations are expected to make due preparation by carrying out the activities of the preliminary phase.
 - (4) Participating organizations are also expected to make the best use of the action plan in the respective country.
-

2. Nominee Qualifications

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

【Remarks】 Each organizations is requested to strongly encourage female candidates to apply for the course to accelerate the realization of gender equality and women's empowerment.

(1) Essential Qualifications

- 1) Current Duties: Officials of public agencies that conduct vegetable production techniques extension.
*Officers in a position to supervise and prepare work plans of agricultural extension officers is recommended.
- 2) Experience in the Relevant Field: have at least 5 years work experience in agricultural extension or cultivation techniques.
- 3) Educational Background: be a graduate of university or have an equivalent academic background

- 4) Language Proficiency: have a competent command of spoken and written English proficiency equivalent to TOEFL iBT 80 or more / IELTS Academic 6 or more / CEFR B2 or more. Please attach an official certificate for English ability for TOEFL / IELTS / CEFR if any. **Please submit the score sheet of EF SET (free) if English is not an official language.** <https://www.efset.org/>
- 5) Technical Requirements:
- a. Technology Proficiency
 - Basic computer skills such as, sending/receiving email with attachments, and using a web browser.
 - Online course is delivered using the following services, Web Conferences (Zoom), Cloud Storage (GIGAPOD), and YouTube. Online tutorial and support by JICA will be limited. The ability to be self-directed in learning new technology skills are required.
 - b. Internet Connection
 - High Speed Broadband Connection (at least 2Mbps).
 - * Internet access charge incurred for this course shall be borne by your organization.
 - c. Hardware (Minimum Requirement)
 - Regular access to a computer, either from your home or from your office.
 - Operating System: Windows or Mac OS (Updated version is preferred).
 - Processor: Intel Core 2 Duo or higher; 2GHz or higher
 - Memory: 4GB of RAM or higher
 - Hard Drive Space: 5GB free disk space
 - Browser: Google Chrome is preferred browser. (Edge, Firefox, Safari can be used)
 - Others: Webcam Microphone, and Audio output Device (Speaker or Headset)
 - d. Software (which may be required)
 - Zoom Client for Meeting (<https://zoom.us/download>)
 - * In case you are using your office computer and use of Zoom is not authorized by your IT administrator, please notify JICA at the time of application.
- 6) Health: must be in good health to participate in the program in Japan. Participant's health and safety should be most respected. **Pre-existing conditions*** and pregnancy may lead to health problems that were not present prior to arrival in Japan due to stress from international travel, changes in climate, and a new living environment. In recent years, regrettable cases have occurred, including the exacerbation of symptoms after arrival and, in the case of pregnancy, stillbirth. Some participants have also incurred

substantial out-of-pocket medical costs. If any of the conditions below may apply, please take a moment to consider whether to participate, and continue after confirming your agreement to the points below. existing conditions and pregnancy may lead to health problems of pocket medical costs. If any of the conditions below may apply, please take a moment to consider whether to participate, and continue after confirming your agreement to the points below.

** Pre-existing conditions: Chronic diseases, Conditions currently under treatment and Past illnesses that have resolved.*

➤ **Questionnaire (“QUESTIONNAIRE ON MEDICAL STATUS AND RESTRICTION”)**

If any of the following apply, you must state them accurately in the questionnaire, even if they do not affect your current work or daily life.

- a. Chronic diseases (e.g., hypertension, diabetes)
- b. Conditions currently under treatment
- c. Past illnesses that have resolved (including serious conditions affecting the heart, liver, or brain; tuberculosis, etc.)
- d. Pregnancy (for female applicants)

➤ **Medical certificate**

Please submit a medical certificate issued by a doctor that your condition is stable and that, from a medical standpoint, there is no problem with your participation in KCCP in Japan.

Applicable cases:

- a. Chronic diseases (e.g., hypertension, diabetes)
- b. Conditions currently under treatment
- c. Past illnesses that have resolved (including serious conditions affecting the heart, liver, or brain; tuberculosis, etc.)

➤ **Reporting changes**

If pregnancy or any health issues are identified after submitting the form, please report them to JICA promptly.

➤ **Insurance coverage**

Medical and additional living expenses related to pregnancy, pre-existing conditions are NOT covered by insurance arranged by JICA. Such costs must be borne entirely by the participant; JICA assumes no liability.

** Please understand that insurance coverage applies only to sudden illness or injury occurring during your stay in Japan.*

** Medical expenses in Japan could be a significant financial burden when not covered by insurance.*

(2) Recommended Qualifications

- 1) Persons who are already involved (or will be involved) in JICA or other agency's related Technical Cooperation Schemes or Initiatives.
- 2) Age: between the ages of thirty (30) and forty-five (45) years
- 3) Gender Equality and Women's Empowerment: Women are encouraged to apply for the program. JICA is committed to promoting gender equality and women's empowerment, and provides equal opportunities for all applicants regardless of their sexual orientation or gender identity.

3. Required Documents for Application

- (1) **Application Form:** The Application Form is available at the **JICA overseas office (or the Embassy of Japan)**
- (2) **Photocopy of Passport:** You should submit it 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.
*The following information should be included in the photocopy:
Name, Date of Birth, Nationality, Sex, Passport Number and Expiry Date
- (3) **English Score Sheet:** To be submitted with AF if any official certificate for English ability for TOEFL / IELTS / CEFR, etc. **Please submit the score sheet of EF SET (free) if English is not an official language.** <https://www.efset.org/>
- (4) **Questionnaire:** to be submitted with the application form. Fill in Annex of this General Information.

4. Procedures for Application and Selection

(1) Submission of the Application Documents

Closing date for applications: **Please confirm the local deadline with the JICA overseas office (or the Embassy of Japan).** All required material must arrive at JICA Center in Japan by **August 14, 2026.**

(2) Selection

Primary screening is conducted at the JICA overseas office (or the embassy of Japan) after receiving official documents from your government.

Notice of Acceptance: The JICA overseas office (or the Embassy of Japan) will notify the results **not later than August 28 2026.**

5. Additional Document(s) to Be Submitted by Accepted Candidates

Accepted candidates are required to make a Inception Report by joining the pre-program and implementing the farmer's interview before coming to Japan.

6. Conditions for Participation

The participants of KCCP are required

- (1) to strictly observe the course schedule,
- (2) not to change the air ticket (and flight class and flight schedule arranged by JICA) and lodging by the participants themselves,
- (3) to understand that leaving Japan during the course period (to return to home country, etc.) is not allowed (except for programs longer than one year),
- (4) not to bring or invite any family members (except for programs longer than one year),
- (5) to carry out such instructions and abide by such conditions as may be stipulated by both the nominating Government and the Japanese Government in respect of the course,
- (6) to observe the rules and regulations of the program implementing partners to provide the program or establishments,
- (7) not to engage in political activities, or any form of employment for profit,
- (8) to discontinue the program, should the participants violate the Japanese laws or JICA's regulations, or the participants commit illegal or any type of immoral conduct including sexual harassment, or get critical illness or serious injury and be considered unable to continue the course. The participants shall be responsible for paying any cost for treatment of the said health conditions except for the medical care stipulated in (3) of "3.Expenses", "Administrative Arrangements",
- (9) to return the total amount or a part of the expenditure for the KCCP depending on the severity of such violation, should the participants violate the laws and ordinances,
- (10) not to drive a car or motorbike, regardless of an international driving license possessed,
- (11) to observe the rules and regulations at the place of the participants' accommodation, and
- (12) to refund allowances or other benefits paid by JICA in the case of a change in schedule.

(13) to promptly notify JICA in the case that there are any changes in the health status since the time of application (such as changes requiring medical attention due to illness or discovery of pregnancy).



Administrative Arrangements

1. Organizer (JICA Center in Japan)

- (1) **Center:** JICA Tsukuba Center (JICA Tsukuba or TBIC)
 - (2) **Program Officer:** Mr. NEMOTO Takuya (tbicttp@jica.go.jp)
-

2. Implementing Partner

- (1) **Name:** Under Planning
 - (2) **URL:** Under Planning
-

3. Travel to Japan

- (1) **Airfare:** In principle, JICA would cover a round-trip economy-class ticket between an international airport designated by JICA and Japan.
 - (2) **Travel insurance:** Coverage applies from arrival to departure in Japan. Therefore, travel time outside Japan (including baggage damaged during arrival flight in Japan) will not be covered.
-

4. Accommodation in Japan

In principle, JICA would organize the following accommodation(s) for participants in Japan

JICA Tsukuba Center (JICA Tsukuba)
Address: 3-6, Koyadai, Tsukuba City, Ibaraki Prefecture 305-0074, Japan
TEL: +81-29-838-1111 FAX: +81-29-838-1119
("81" is the country code for Japan, and "29" is the local area code).
Please refer to the JICA Tsukuba installation guide. [tsukuba_guide.pdf \(jica.go.jp\)](#)

If no space is available at JICA Tsukuba, JICA would arrange alternative accommodation for participants.

5. Expenses

The following expenses in Japan will be provided by JICA

- (1) Allowances for meals, living expenses and stopover.
- (2) Expenses for study tours (basically in the form of train tickets).
- (3) Medical care for participants who become ill after arriving in Japan (the costs related to pre-existing illness, pregnancy, or dental treatment are not included).
- (4) Expenses for program implementation, including materials.
- (5) 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.

*Link to JICA HP (English/French/Spanish/Russian):

[The Knowledge Co-Creation Program \(KCCP\) | Our Work | JICA](#)

6. Pre-departure Orientation

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

*YouTube videos of “Knowledge Co-Creation Program and Life in Japan” and “Introduction of JICA Center” are viewable from the link below. You can image KCCP program if you watch below.

Part I: Knowledge Co-Creation Program and Life in Japan	
English ver.	https://www.youtube.com/watch?v=SLurfKugrEw
Part II: Introduction of JICA Centers in Japan	
JICA Tsukuba	https://www.jica.go.jp/tsukuba/english/office/index.html

7. Reference



Website: JICA

English/French/Spanish/Russian

<https://www.iica.go.jp/english/>



Website: JICA Tsukuba Center

English

<https://www.iica.go.jp/english/domestic/tsukuba/index.html>

JICA Tsukuba

Accommodation

JICA Tsukuba Center works as a base of this training program. The Center is equipped with accommodation facilities for JICA training participants.

For study tours taking place far from the Center, JICA will arrange hotels for the participants.



Lobby



Accommodation Bldg.



Lecture Room



PC Room



Restaurant



Gymnasium

Climate

Tsukuba enjoys four distinctive seasons, and you are recommended to prepare adequate clothing for the season in which you will participate in the program.

Spring

March, April, May

Max Temp: 24.2 °C | Min Temp: 0.0 °C

Summer

June, July, August

Max Temp: 31.3 °C | Min Temp: 14.6 °C

Fall

September, October, November

Max Temp: 29.3 °C | Min Temp: 8.3 °C

Winter

December, January, February

Max Temp: 13.6 °C | Min Temp: -2.8 °C

Face to face program starts in mid-October and ends in mid-December. It will be very cold, so bring appropriate clothing.

Annex

Questionnaire for all candidates

【Remarks】

Only accepted participants are required to prepare the Inception Report, based on the pre-program and farmer's interview.

The detail would be noticed after the notice of acceptance.

For Your Reference

JICA and Capacity Development

Technical cooperation is people-to-people cooperation that supports partner countries in enhancing their comprehensive capacities to address development challenges by their own efforts. Instead of applying Japanese technology per se to partner countries, JICA's technical cooperation provides solutions that best fit their needs by working with people living there. In the process, consideration is given to factors such as their regional characteristics, historical background, and languages. JICA does not limit its technical cooperation to human resources development; it offers multi-tiered assistance that also involves organizational strengthening, policy formulation, and institution building.

Implementation methods of JICA's technical cooperation can be divided into two approaches. One is overseas cooperation by dispatching experts and volunteers in various development sectors to partner countries; the other is domestic cooperation by inviting participants from developing countries to Japan. The latter method is the Knowledge Co-Creation Program, formerly called Training Program, and it is one of the core programs carried out in Japan. By inviting officials from partner countries and with cooperation from domestic partners, the Knowledge Co-Creation Program provides technical knowledge and practical solutions for development issues in participating countries.

The Knowledge Co-Creation Program (Group & Region Focus) has long occupied an important place in JICA operations. About 400 pre-organized courses 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 is being customized by the different target organizations to address the specific needs, 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, as the first non-Western nation to become a developed country, built itself into a country that is free, peaceful, prosperous and democratic while preserving its tradition. Japan will serve as one of the best examples for our partner countries to follow in their own development.

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 a process of adoption and adaptation, of course, has been accompanied by countless failures and errors behind the success stories.

Through Japan's progressive adaptation and application of systems, methods and technologies from the West in a way that is suited to its own circumstances, Japan has developed a storehouse of knowledge not found elsewhere from unique systems of organization, administration and personnel management to such social systems as the livelihood improvement approach and governmental organization. It is not easy to apply such experiences to other countries where the circumstances differ, but the experiences can provide ideas and clues useful when devising measures to solve problems.

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.



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



Leading the world with trust

Correspondence

For enquiries and further information, please contact the JICA office or Embassy of Japan.

Further, address correspondence to:

JICA Tsukuba Center (JICA Tsukuba)

Address: 3-6 Koyadai, Tsukuba, Ibaraki 305-0074, Japan

TEL: +81-29-838-1111 FAX: +81-29-838-1119

("81" is the country code for Japan, and "29" is the local area code)