



Face-to-Face (in Japan)

Knowledge Co-Creation Program (Group and Region Focus)

# Prospective Agricultural Technologies as Solution of Climate Change



Course Number: 202411623J001

Course Period: May 21 - June 12, 2025

- PRAZO DE INSCRIÇÃO NO BRASIL:  
14/03/2025
- EMAIL PARA ENVIO DA INSCRIÇÃO:  
[jicabr-training@jica.go.jp](mailto:jicabr-training@jica.go.jp)



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.

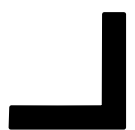
NOTE: Depending on the circumstances, some or all of the program periods may be changed or cancelled after the application has been accepted.

気候変動の解決策として有望な農業技術



# How can we contribute to solution of climate change, utilizing agricultural technologies?

Gain insight to the adaptation / mitigation  
measures in Japanese agriculture, and  
develop capacity for adaptation / mitigation  
measures that can be implemented in  
developing countries.





# Outline

1. In this program, participants will be able to learn about the policy framework and practical examples in Japan regarding "promotion of specific adaptation and mitigation measures in the agricultural field" such as soil carbon and water management required by COP and IPCC.

2. In this program, various instructors from the Ministries related to Agriculture and Environment will provide useful and comprehensive lectures to both the government officials and researchers in developing countries.

3. In this program, participants can find climate change measures in the agricultural sector that can contribute to NDC with the related data, receiving the helpful guidance of JICA advisors in the fields of irrigation water management and climate change.

course capacity: 12 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.

# Table of Contents

## For What?

|                                |   |
|--------------------------------|---|
| (Background, Objectives) ..... | 6 |
|--------------------------------|---|

## To Whom?

|   |   |
|---|---|
| (Job Areas and Organizations, Targeted Countries) ..... | 6 |
|---|---|

## When?

|                        |   |
|------------------------|---|
| (Program Period) ..... | 7 |
|------------------------|---|

## Where?

|  |   |
|--|---|
| (Place Where the Program Take Place) ..... | 7 |
|--|---|

## How?

|  |   |
|--|---|
| (How to Learn, Language, Commitment to the SDGs) ..... | 8 |
|--|---|

|                           |   |
|---------------------------|---|
| (Program Structure) ..... | 8 |
|---------------------------|---|

## Voice

|                                      |   |
|--------------------------------------|---|
| (Past Program Alumni Comments) ..... | 9 |
|--------------------------------------|---|

## Eligibility and Procedures

|  |    |
|--|----|
| (Expectations to the Applying Organizations, Nominee Qualifications) ..... | 10 |
|--|----|

|  |    |
|--|----|
| (Required Documents for Application) ..... | 11 |
|--|----|

|  |    |
|--|----|
| (Procedures for Application and Selection) ..... | 12 |
|--|----|

|   |    |
|---|----|
| (Additional Document(s) to Be Submitted by Accepted Candidates) ..... | 12 |
|---|----|

|                                      |    |
|--------------------------------------|----|
| (Conditions for Participation) ..... | 13 |
|--------------------------------------|----|

## Administrative Arrangements

|  |    |
|--|----|
| ( Organizer (JICA Center in Japan), Implementing Partner, Travel to Japan,<br>Accommodation in Japan, Expenses, Pre-departure Orientation) ..... | 14 |
|--|----|

## Annex

|                          |    |
|--------------------------|----|
| (Inception Report) ..... | 16 |
|--------------------------|----|

## For Your Reference

|  |    |
|--|----|
| (JICA and Capacity Development, Japanese Development Experience) ..... | 18 |
|--|----|

## Correspondence

|   |    |
|---|----|
| (For Enquiries and Further Information) ..... | 20 |
|---|----|

# For What?

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## Background

The COP 23 (2017) of the United Nations Framework Convention on Climate Change (UNFCCC), decided that the scope of agricultural sector includes not only in the science and technology aspect, but also in the implementation of concrete actions in each country. This program provides broad topics of climate change measures to strengthen the implementing capacity of the participants in the agricultural sector. (E.g. utilizing of bioenergy, latest smart agriculture, and national adaptation planning).

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## Objectives

Participants obtain knowledge of specific adaptation/mitigation measures that can be implemented in the field of agriculture, and formulate Action Plan to promote them by utilizing the prospective agricultural techniques as a solution for the climate change.

# To Whom?

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## Job Areas and Organizations

This program is designed for the government officials and researchers at the practical level of formulating and implementing climate change measures related to agriculture, in Governmental agencies and research organizations.

The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection.

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## Targeted Countries

Indonesia, Philippines, Cambodia, Viet Nam, Bangladesh, Nepal, Pakistan, Solomon Islands, Brazil, Ethiopia, Kosovo, Azerbaijan

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

# When?

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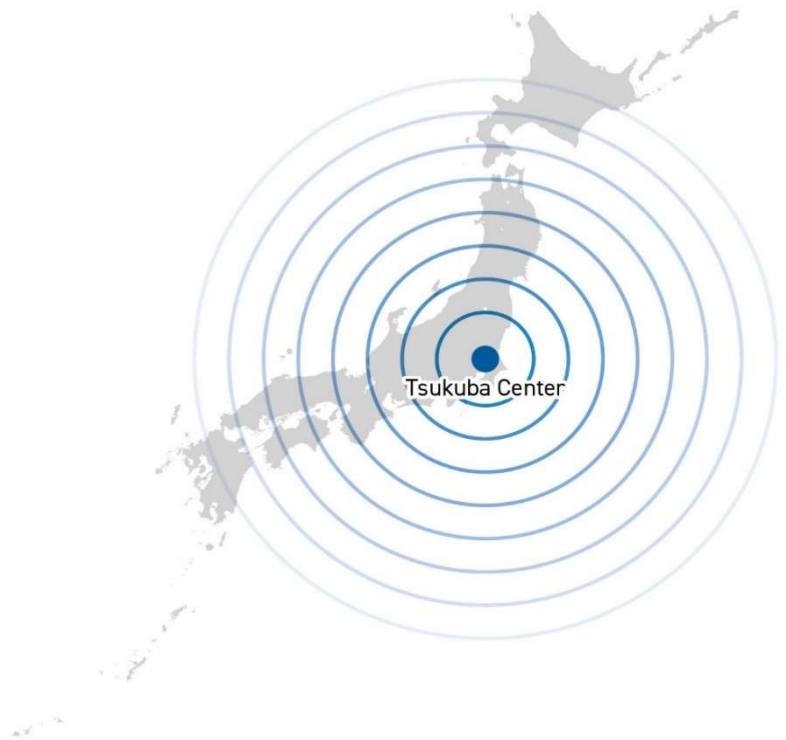
## Program in Japan

May 21 – June 12, 2025

# Where?

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This course will be organized by JICA Tsukuba Center located in the City of Tsukuba, Ibaraki Prefecture. The City of Tsukuba is sixty kilometers northeast of Tokyo and is known as a Science City.



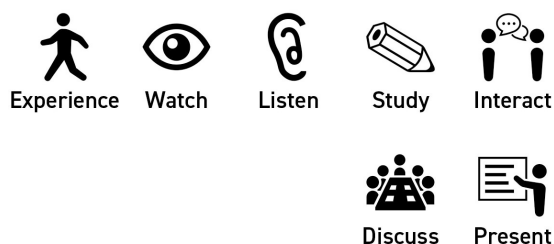


# How?

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## How to Learn

- Lectures
- Field Visits
- Discussions
- Presentations



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## Language

English

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## Commitment to the SDGs



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## Program Structure

### Day 1-21: in Japan Program

Briefing

Inception report Presentation

Field Visits, Discussion, etc

Action plan Presentation, Evaluation Meeting, Closing ceremony



# Voice

## Past Program Alumni Comments



Mr. SHARMA Rakesh  
India

This program was very important for learning mitigation and adaptation efforts in response to climate change due to global warming. Japan is taking various measures to combat climate change, including a water management system for rice paddies using rice field dams, and an applicability system that measures environmental data by attaching sensors to fields to understand growth conditions and guide optimal cultivation environments. Especially E-kakashi was beneficial. The knowledge I acquired was also useful in creating the action plan for my country. I highly recommend anyone interested in finding solutions to climate change to participate in this program.



Ms. POLAT CAVUSOGLU Pelin  
Turkey

This program provided me with a good opportunity to learn data-driven (smart) agricultural technology and science-based approaches that utilize ICT as a solution to climate change (adaptation and mitigation). The curriculum structure of the program was very appropriate and it was managed efficiently. I highly recommend this program to anyone looking for solutions to climate change.



# Eligibility and Procedures

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## 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.
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## 2. Nominee Qualifications

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

### (1) Essential Qualifications

- 1) Current Duties: Government officials and researchers at the practical/technical level who are responsible for formulating and implementing climate change policies and actions related to agriculture.
- 2) Experience in the Relevant Field: have at least 3 years of experience in the field of climate change related to agriculture.
- 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 79 or above (This program

includes active participation in discussions and development of Action Plan, which require high competence in English. Please attach an official certificate for English ability such as TOEFL, TOEIC etc., if possible)

- 5) **Health:** must be in good health to participate in the program in Japan. To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History (QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION of the application form) if you have been a patient of following illnesses; Hypertension / Diabetes / Cardiovascular illness / Heart failure / Chronic respiratory illness.

## **(2) Recommended Qualifications**

- 1) **Age:** between the ages of twenty-five (25) and fifty (50) years
- 2) **Gender Consideration:** JICA promotes gender equality. Women are encouraged to apply for the program.
- 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.

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## **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  
**\*It is recommended that your passport be valid for more than 6 months after the last day of the program.**
- (3) **English Score Sheet:** to be submitted with the application form, if the nominees have any official English examination scores. (e.g., TOEFL, TOEIC, IELTS)
- (4) **Inception Report:** You should prepare and submit Inception Report (MS Word) according to ANNEX III. The Application Form without the report will be rejected.

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## 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 **March 28, 2025.**

### (2) Selection

Primary screening is conducted at the JICA overseas office (or the embassy of Japan) after receiving official documents from your government. JICA Center will consult with concerned organizations in Japan in the process of final selection. Applying organizations with the best intentions to utilize the opportunity will be highly valued.

The Government of Japan will examine applicants who belong to the military or other military-related organizations and/or who are enlisted in the military, taking into consideration of their duties, positions in the organization and other relevant information in a comprehensive manner to be consistent with the Development Cooperation Charter of Japan.

### (3) Notice of Acceptance

The JICA overseas office (or the Embassy of Japan) will notify the results **not later than Apr 18th 2025.**

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

Presentation material on Inception Report (PPT) by **May 9th, 2025**

Accepted candidates are required to make a presentation (within **15 minutes**) and discuss on their Inception Report in a group discussion session at the beginning of the program (Please read Annex III for detailed information.) The presentation material should be sent to JICA by **May 9th, 2025**, preferably by e-mail to **tbicttp@jica.go.jp**

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## 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 immoral conduct, 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 comply with the use conditions of copyrighted works by each copyright holder, when using texts and other materials distributed for KCCP. Especially, participants are strictly prohibited to record online lectures or use contents providing during the program without permissions. Participants may also sign a copyright agreement.



# Administrative Arrangements

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## 1. Organizer (JICA Center in Japan)

- (1) Center: JICA Tsukuba Center (JICA Tsukuba or TBIC)
  - (2) Program Officer: Ms. SHINOHARA Mieko ( [tbicttp@jica.go.jp](mailto:tbicttp@jica.go.jp) )
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## 2. Implementing Partner

Under planning

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## 3. 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):

[https://www.jica.go.jp/english/our\\_work/types\\_of\\_assistance/tech/accept](https://www.jica.go.jp/english/our_work/types_of_assistance/tech/accept)

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## 4. 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.  | <a href="https://www.youtube.com/watch?v=SLurfKugrEw">https://www.youtube.com/watch?v=SLurfKugrEw</a>                           |
| Part II: Introduction of JICA Centers in Japan          |   |
| JICA Tsukuba  | <a href="https://www.jica.go.jp/tsukuba/english/office/index.html">https://www.jica.go.jp/tsukuba/english/office/index.html</a> |

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## 5. Reference (Website: JICA)

[https://www.jica.go.jp/english/our\\_work/types\\_of\\_assistance/tech/acceptance/training/index.html](https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/index.html)



# Annex

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## Inception Report (To be submitted with the Application Form, below)

**All of the applicants** are required to prepare Inception Report on the following issues and submit it to JICA as an attachment of application by **March 28, 2025**. Inception Report should be type written in English on **MS Word** in single spacing at maximum of 10 pages.

### 【Cover】

**Inception Report  
JICA Knowledge Co-Creation Program on  
“Prospective Agricultural Technologies as Solution of  
Climate Change”**

**Name:** \_\_\_\_\_  
**Country:** \_\_\_\_\_  
**Organization:** \_\_\_\_\_  
**Position:** \_\_\_\_\_

### 【Contents】

**Inception Report**

#### < Main Body >

- 1. General information on your country:**  
General information is requested, e.g. geographical status of your country, weather conditions, social and economic conditions, population, agriculture, emission of greenhouse gases, most vulnerable sectors to Climate Change. It will be recommended that any statistical data, tables and figures are shown in the Report.
- 2. Name of the organization and organization chart:**
  - i) Brief description of your organization
  - ii) Role of your organization to cope with Climate Change, including activities relevant to the United Nations Framework Convention on Climate Change (UNFCCC).
  - iii) Your position and duty in your organization
  - iv) Brief description of your working experience
- 3. Existing laws and regulations relevant to Climate Change in the agricultural sector:**  
Please describe the current situation of existing laws and regulations relevant to Climate Change as well as listing them.
- 4. Current situation and issues concerning climate change in the agricultural sector in your country:**
  - i) Current status of major agricultural and livestock products and trends in the production in your country
  - ii) Current difficult situation caused by climate change in the agricultural sector



iii) Projects implemented for the climate change countermeasures in your country (including ODA)

5. Find out major constraints (institutional, technical, financial or legislative) on coping with national target to Climate Change and analyze them.
6. Possible and feasible measures to be taken to overcome above-mentioned constraints.
7. What kind of crops are you interested in from the perspective of climate change? (Example: rice, taro, cassava, etc.)

**【Remarks】**

Only accepted participants are required to prepare the presentation material of Inception Report, based on the one submitted with the Application Form. The deadline is

**May 9th, 2025**

The presentation material should be made by **PowerPoint at maximum of 20 slides.** Participants are requested to make a presentation of Inception Report within 15 minutes per person at the beginning of the program in Core phase.

# 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.



## **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: +81-29-838-1790

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