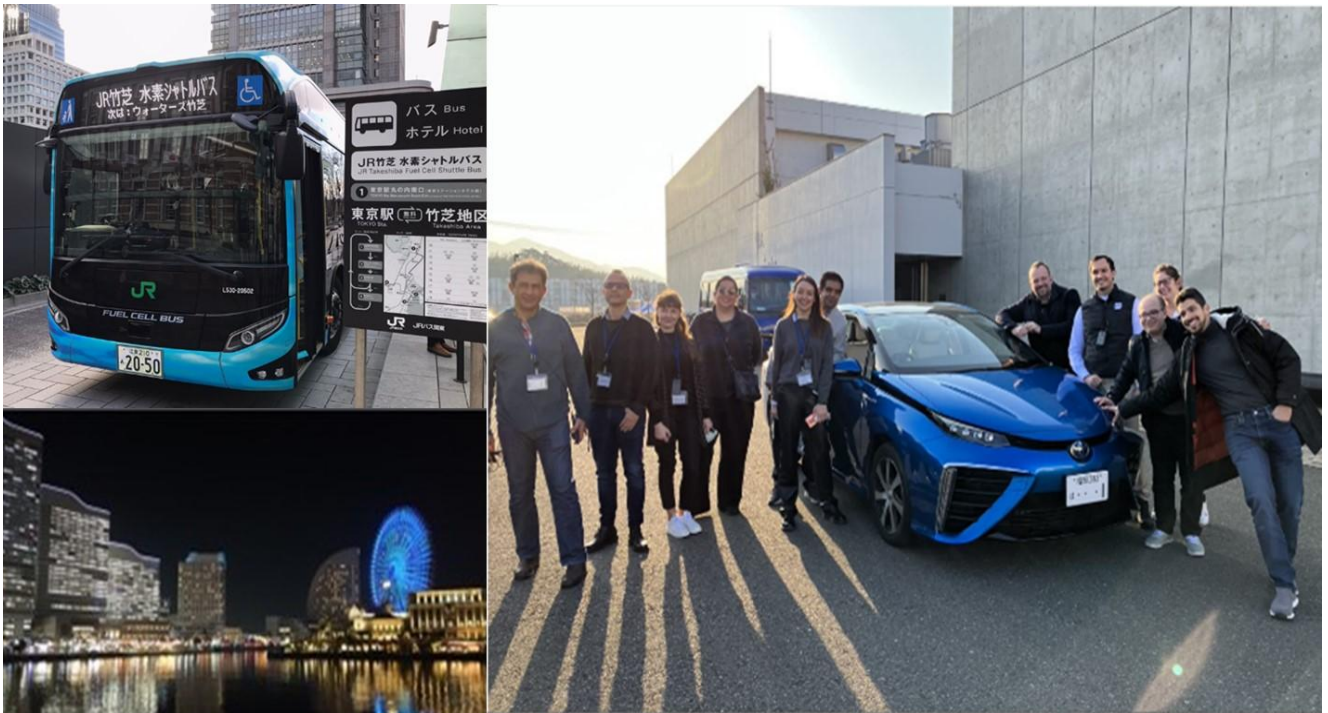




Face-to-Face (in Japan)

Knowledge Co-Creation Program (Group and Region Focus)

Hydrogen Solution for Decarbonization (B)

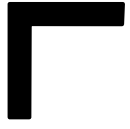
Course Number: **202517171J001**Course Period: **February 15 - February 27, 2027**

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.

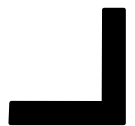
脱炭素化に向けた水素利用 (B)



How can we utilize

Hydrogen

for Decarbonization?



Outline



This program is the training course designed for government officials engaged in policy making and project development to promote supply and utilization of renewable energy, including hydrogen, in energy transition phase to a decarbonized society.



The training will be held in Japan, with class room lectures, discussions, and presentations face-to-face.



All sessions are carried out in English.

The period is from
February 15 to
February 27, 2027.

Course Capacity:
10 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

Since the beginning of 2020, many countries have been accelerating their efforts to promote the utilization of hydrogen. European countries aim to achieve carbon neutrality by 2050 and other countries have announced their hydrogen strategies one after another. Hydrogen is considered the ultimate clean energy, but due to cost and some issues in its supply chain (production, storage, transportation, and utilization), medium- to long-term efforts are needed to expand utilization of hydrogen.

Objectives

This program offers opportunities to enhance policy-making and implementation capabilities necessary to promote use of hydrogen energy for decarbonization in each country.

To Whom?

Job Areas and Organizations

This program is designed for officials in ministries, public power or oil&gas companies etc. who are deeply involved in policy making and/or project development for promoting hydrogen as alternative fuel.

Applying organizations with the best intention to utilize the opportunity of this program will be highly valued in the selection.

Targeted Countries

Brazil
Chile
Colombia
Ecuador
Namibia
Paraguay
South Africa

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

When?

Face-to-Face Program



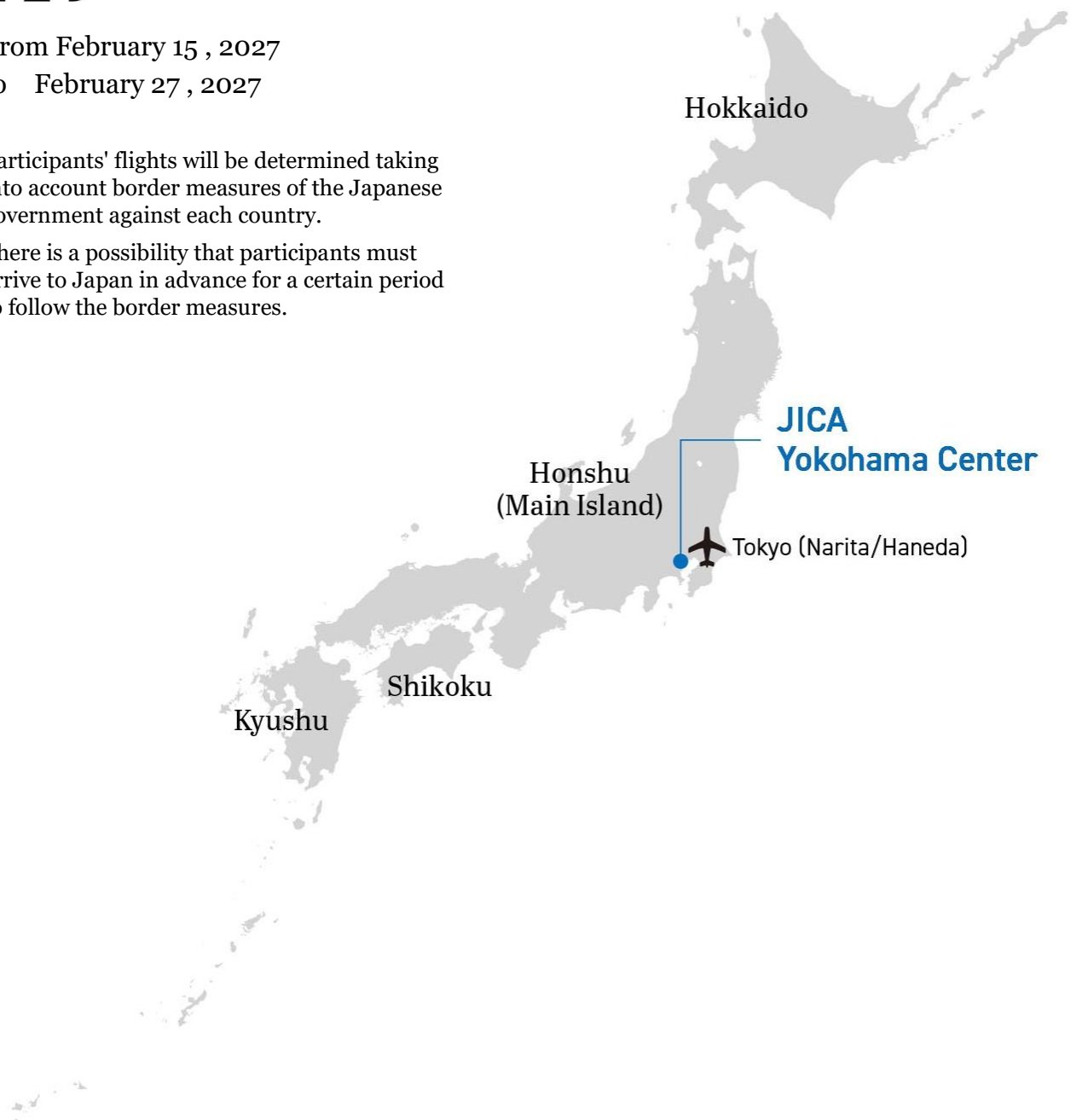
From February 15 , 2027
to February 27 , 2027

Participants' flights will be determined taking into account border measures of the Japanese government against each country.

There is a possibility that participants must arrive to Japan in advance for a certain period to follow the border measures.

Where?

This course is carried out face-to-face, organized by JICA Yokohama Center.



How?

How to Learn

- Workshop
- Discussions
- Presentations
- Field Visit



Listen



Interact



Discuss



Present



Watch

Language

English

Commitment to the SDGs



Program contents (tentative)

1 st week	
Presentation	Job Report presentation ✓ To know each other and each country's challenge which guides broader view of his/her own country
Lecture	Current Status in Hydrogen Economy ✓ To have common basics for the course
Lecture	Japan's Hydrogen Strategy ✓ To understand Japan's strategy and have relative perspective on participant's own country's strategy
Lecture	Cross-Boarder Trade of Hydrogen ✓ Cross-boarder trade of hydrogen as a business, which can be one of the major destinations of hydrogen produced in participant's countries
Lecture	Geopolitics of Hydrogen ✓ How hydrogen may bring geopolitical issues in contrast to conventional fuels
Site Visit (TBC)	Ammonia Cofiring, Hydrogen Research Field ✓ State-of-the-art hydrogen technology at demand/supply side

2 nd week	
Lecture	Hydrogen Trade Business ✓ Global supply chain of hydrogen and its varieties of carrier.
Lecture	Hydrogen Mobility Business ✓ To understand business in mobility as a key demand sector
Lecture / Discussion	Outlook of hydrogen economy, role of public organizations, funds, etc. ✓ Interactive session on how to incorporate and promote hydrogen economy
Site visit (TBC)	Hydrogen Carrier Demonstration Plant
Presentation	Action Plan presentation

*Site visit activities shown in the table will be changed depending on their availability.

*Lectures related to business matters are planned to be delivered by private investors.

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. 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 below.
- (3) 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.
- (4) Lecturers in the training course are experts in policy-making and/or project development of hydrogen in Japan. Please make use of the training to interact with them through participant's active engagement in Q&A or discussions.

2. Nominee Qualifications

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

[Remarks]

Gender: Each organization is requested to strongly encourage female candidates to apply for the course to accelerate the realization of gender equality and women's empowerment.

Disabilities: Persons with disabilities who meet the required qualifications also have an opportunity to apply. Reasonable accommodations will be considered for participants with disabilities. Some programs of the course might have difficulty for persons with disabilities to participate due to environmental and other conditions. "Reasonable accommodation" means necessary and appropriate modification and adjustments not imposing a disproportionate or undue burden, where needed in a particular case.

(1) Essential Qualifications

1) Target Organization:

Departments specialized in policy making on hydrogen in relevant ministries or engaged in hydrogen project development in public power or oil&gas companies etc.

2) Target personnel:

<Position>

Applicants in charge of policy making and/or project development of hydrogen at target organizations mentioned above.

<Experience>

Applicants are engaged in policy making or project development in energy sector including hydrogen energy for more than 5 years.

<Education Background>

Applicants must have bachelor degrees or equivalent in relevant fields such as energy policy/engineering economy, law, business.

<Language>

Have a competent command of spoken and written English (This training includes active participation in discussions, which requires high competence of English ability.).

<Health>

Be in good health and suitable 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 arriving 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.

① 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)

② 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.)

③ Reporting changes

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

④ Insurance coverage

Medical and additional living expenses related to pregnancy and 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) Age: between the ages of twenty-five (25) and fifty (50) years

2) Gender Equality and Women's Empowerment:

JICA seeks more female applicants due to the past records of fewer applications from women. 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)

* If you have any difficulties/disabilities which require assistance, please specify necessary assistances in the QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION (1-I) of the application form. Information will be reviewed and used for reasonable accommodation.

(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

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 Yokohama
by **December 15, 2026**)

(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 departments 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
by **January 15, 2027**.

5. 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,
 - (12) to refund allowances or other benefits paid by JICA in the case of a change in schedule and
 - (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 Yokohama Center (JICA YOKOHAMA)
 - (2) Program Officer: Mr. TAKAGI Shun (yictt1@jica.go.jp)
-

2. 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 “KENSU-IN GUIDE BOOK,” (English/French/Spanish/Russian). (English/French/Spanish/Russian).

*Link to the Website

https://www.jica.go.jp/english/activities/schemes/tech_pro/acceptance_training/forparticipants.html

or

<https://jica-van-cms.jica.go.jp/custom/kccp/kccp01.html>

3. 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.

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 Yokohama	https://www.jica.go.jp/yokohama/english/office/index.html

If the link of these youtube URLs has expired, please access the URL below and search the necessary information from the key word.

<https://www.youtube.com/user/JICAChannel02>

4. Reference

PDF: KENSHU-IN GUIDE BOOK

For more detailed terms and conditions

<https://jica-van-cms.jica.go.jp/custom/kccp/kccp01.html>

Video: JICA Predeparture Briefing

For more information on life in Japan and KCCP

<https://jica-van-cms.jica.go.jp/custom/kccp/kccp01.html>

Website: JICA

English/French/Spanish/Russian

https://www.jica.go.jp/english/activities/schemes/tech_pro/acceptance_training/index.html

0

ther Information

1. Job Report Presentation and Action Plan

(1) Job Report Presentation:

Participants will have a presentation of his/her Job Report up to 10 minutes on the first day of the training in Japan in order to share knowledge and background with other participants as well as lecturers. Participants will send powerpoint presentation to the Program Officer (Mr. HORI Daisuke (yicctt1@jica.go.jp)) before your departure from your home country.

(2) Action Plan:

Participants are required to make an Action Plan at the end of the training to express your idea and plan that you carry out after your return, reflecting the knowledge and method you



acquire in the training. Each person will have 15 minutes for presentation (details to be explained during the course).

2. Participants who have successfully completed the program will be awarded a certificate by JICA. It requires 70% or more of training participation. If you do not create an action plan and submit a questionnaire, you will not be awarded a certificate.



Annex

Items to be Included in the Job Report

Below are the items to be included in the job report presentation (not limited to the below).

Job report is not necessary at the timing of application.

1. Energy Situation and challenges in your country

- Policy frameworks or national strategy for carbon neutrality and hydrogen if any.
- Outline of national commitment to decarbonization goal, and hydrogen use if any.
- Current energy mix (inc. fuel) and electricity generation mix.
- Issues and challenges for promotion of hydrogen (below are just examples)
 - What kind of demand does your country suppose for hydrogen produced in your country (domestic/export, if domestic, transport or power generation etc.)?
 - What are merits of hydrogen use for the above mentioned purposes in your country and why (e.g. climate change mitigation, energy security, trade balance etc.)? What kind of obstacles or potential negative impacts do you suppose, on hydrogen use for above mentioned purposes in your country?

*This program is not necessarily designed for promotion of hydrogen in participants' countries. We would like to discuss significance of hydrogen without bias.

2. Your organization and main tasks

(1) Main tasks of your organization

(2) Organization chart:

Please draw a chart of your organization including department (section) names with the number of staffs in it and mark where you are positioned.

(This chart should be attached and not be counted in the page limitation.) Please describe a duty of each department (section) briefly.

(3) Brief description of your assignments

(4) Challenges in your job related to hydrogen

3. Expected impact of the program on your challenges

(1) Your expectation of this program (below are just example)

- Any specific theme you are interested (e.g. public commitment and investment climate, viewpoint of offtaker(source of demand for hydrogen) etc.)
 - Reason for above and how important in your (future) work
 - Subjects of the program interested in the most and how they are/might be related to your (future) work
- (2) Skills and knowledge to be expected to obtain during the program and to be applied for your challenges in your home country

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.

Japanese Development Experience

Japan, as the first non-Western nation to become a developed country, built itself into a country that is 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, 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 Yokohama Center (JICA Yokohama)

Address: 3-1, Shinko 2-chome, Naka-ku, Yokohama City, Kanagawa Prefecture 231-0001, Japan

TEL: +81-45-663-3221

("81" is the country code for Japan, and "45" is the local area code)