



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

General information on

**Dam Safety Management (Online)**

**課題別研修「ダム安全管理」(遠隔研修)**

**JFY 2021**

**Course No.: 202003289J001**

**Online Program Period in Japan: From November 15, 2021 to November 26, 2021**

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.

JICA Knowledge Co-Creation Program (KCCP)

The Japanese Cabinet released the Development Cooperation Charter in February 2015, which stated, *“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.”* JICA believes that this ‘Knowledge Co-Creation Program’ will serve as a foundation of mutual learning process.

# I. Concept

## **Background**

Japan has a vast knowledge of inspection to maintain the safety and functions of dams as well as rehabilitation and improvement of existing dams. The purpose of this program is to strengthen practical skills as well as to develop judgement concerning improving the safety and functions of dams in each country by learning Japanese long-built technologies for dam safe management, operational improvement and upgrading through lectures, practices, and site visits. After the completion of the program, participants are expected to apply the knowledge obtained through the program to their work, and eventually to be involved with policy making for dam safety management and maintenance in their countries in the future.

## **For what?**

This program aims to understand the dam management system in Japan, and to strengthen practical skills for managing dams as well as formulating policies and measures to ensure the safety and upgrading of dams.

## **For whom?**

This program is offered to officials at a Ministry or governmental agency in charge of dam operation and management and dam related infrastructure, and river basin management.

## **How?**

Participants shall have opportunities to enhance practical skills and knowledge for improving the safety and functioning of dams. The program offers lectures and site visits (by online) on the dam management in accordance with actual cases of Japan. At the end of the course, participants will prepare a Course Review Report describing how they will use the knowledge acquired from the course to improve the dam management in their countries.

## II. Description

**1. Title (Course No.)**

**Dam Safety Management (202003289J001)**

**2. Online Program Period**

November 15, 2021 to November 26, 2021

\*\*Time schedule will be provided with the notice of acceptance.

**3. Target Regions or Countries**

Brazil, Djibouti, Indonesia, Iran, Laos, Morocco, Peru, Philippines, Turkey, Uzbekistan, and Yemen

**4. Eligible / Target Organization**

Ministries and agencies in charge of dam operation and management and dam related infrastructure, and river basin management.

**5. Capacity (Upper Limit of Participants)**

15 participants

**6. Language**

English

**7. Objective**

To understanding the dam management system in Japan, and to strengthen practical skills for dam management and operation as well as formulating policies and measures to ensure the safety and upgrade the function of dams.

**8. Overall Goal**

- (1) Basic knowledge of dam safety management is understood.
- (2) Policies and measures for dam safety management based on Japanese experiences are understood.
- (3) Practical methods to conduct inspections as well as to organize and analyze data for monitoring the safety and functions of dams are obtained.
- (4) Issues related to the safety management of dams in each country are identified and solutions are discussed.

## 9. Output and Contents

This course consists of the following components. Details on each component are given below.

Expected Output	Contents
(1) Basic knowledge of dam safety management is understood.	
(2) Policies and measures for dam safety management based on Japanese experiences are understood.	<ul style="list-style-type: none"><li>• Overview of rivers and dams in Japan</li><li>• Dam management in Japan (including systems, budgets and climate change adaptation measures)</li><li>• Inspection of dams in Japan (daily inspection, periodic inspection and comprehensive inspection)</li><li>• Organize and analyze data obtained from dam inspections.</li></ul>
(3) Practical methods to conduct inspections as well as to organize and analyze data for monitoring the safety and functions of dams are obtained.	<ul style="list-style-type: none"><li>• Management of dam management facilities (mechanical and telecommunication facilities)</li><li>• Dam upgrading project (rehabilitation, update, etc.)</li></ul>
(4) Issues related to the safety management of dams in each country are identified and solutions are discussed.	<ul style="list-style-type: none"><li>• Preparation and presentation of Inception report.</li><li>• Preparation and presentation of Course Review Report</li></ul>

## III. 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) 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.

### 2. Nominee Qualifications

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

#### (1) Essential Qualifications

- 1) Current Duties: Government officials involved in the field of dam operation and management and dam related infrastructure, and river basin management. Preferably, from mid-career professionals to director who are expected to be in charge of making policies for dam safe management in the future.
- 2) Experience in the Relevant Field: Have 5 years or more of work experience in dam management, water resource management and water related disaster risk reduction.
- 3) Educational Background: A university degree or equivalent
- 4) Language Proficiency: Have sufficient English language skills. Please attach an official certificate for English ability such as TOEFL, TOEIC etc, if possible.

#### (2) Recommended Qualifications

- 1) Expectations for the Participants  
Age: under 50 years old  
Gender Consideration: JICA promotes gender equality. Women are encouraged to apply for the program.

### 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.

\*The following information should be included in the photocopy:

Name, Date of Birth, Nationality, Sex, Passport Number and Expiry Date

If you don't have the passport, other identifications can be acceptable (e.g., National Identification Card).

- (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)

**If there is no certificate, it is strongly requested that JICA Overseas Office in the recipient country have an interview with the nominee and send the result of the interview with the application form to JICA Tsukuba.**

- (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 **October 1, 2021**)

##### **(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 October 15, 2021.**

#### **5. Additional Document to Be Submitted by Accepted Candidates**

Inception Report -- to be submitted **by November 1, 2021**

Only accepted candidates are required to prepare an Inception Report (Instructions for making an Inception Report will be provided with the notice of acceptance.). The Inception Report should be sent to JICA by November 1, 2021, preferably by e-mail.

#### **6. Conditions for Participation**

The participants of KCCP are required

- (1) to strictly observe the course schedule,
- (2) not to record or share the online contents without permission.

## IV. Administrative Arrangements

### 1. Organizer (JICA Center in Japan)

- (1) **Center:** JICA Tsukuba Center (JICA TSUKUBA)
- (2) **Program Officer:** Ms. NISHIOKA Miki ([tbicctp@jica.go.jp](mailto:tbicctp@jica.go.jp))

### 2. Related organization

- (1) **Name:** Ministry of Land, Infrastructure, Transport and Tourism
- (2) **URL:** <http://www1.mlit.go.jp/en/index.html>

### 3. Implementing Partner:TBA

### 4. Orientation before the start of the online program

YouTube of “Knowledge Co-Creation Program and Life in Japan” and “Introduction of JICA Center” is viewable from the link 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 Center 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>

## V. Other Information

1. **Certificate:** Participants who have successfully completed the course will be awarded an official certificate from JICA.
2. **Information of JICA:** You can check our services on our website and social media.

- JICA Tsukuba Website:  
<https://www.jica.go.jp/tsukuba/english/office/index.html>
- JICA Tsukuba Facebook:  
<https://www.facebook.com/jicatsukuba>



- JICA Tsukuba Brochure:  
[https://www.jica.go.jp/tsukuba/english/office/others/c8h0vm0000ec0zqr-att/tsukuba\\_profile\\_en.pdf](https://www.jica.go.jp/tsukuba/english/office/others/c8h0vm0000ec0zqr-att/tsukuba_profile_en.pdf)
- YouTube clip “Introduction of JICA Tsukuba”:  
<https://www.jica.go.jp/tsukuba/english/office/index.html>



## VI. Annex (Questionnaire)

[Your IT Environment for Online Program]		
Based on your answer, JICA office will consider your IT environment arrangement. Since your answer does not affect to the acceptance judgment, please answer honestly.		
No.	Questions	Yes or No
1	Do you have a following system to attend online program at your home or office?	
1-1	Desktop or laptop PC	Desktop or Laptop or None
1-2	Internet environment	Yes or No (OS version:           )
1-3	Stable Internet connection (5Mbps speed)	Yes or No
1-4	PC with Microphone	Yes or No
1-5	PC with Camera	Yes or No
2	Have you ever attend online meeting?	Yes or No (When:                   ) (Organizer:           )
3	Have you ever used those online systems below?	
3-1	Zoom	Yes or No
3-2	Microsoft Teams	Yes or No
3-3	Google Drive	Yes or No
3-4	Google Form	Yes or No
3-5	You Tube	Yes or No
3-6	Facebook	Yes or No
3-7	Other	Describe it:
4	Which do you prefer, participating from your home, your office or the designated place that JICA provide such as hotels or conference rooms, during the online program?  From November 15, to November 26, 2021	Your home, your office, or the designated place that JICA provide
5	Please let us know if you have any concerns or questions for participating the program.	Describe:
6	Your contact email address and phone number during the online program	Email: Phone:

## **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.



**Contact Information for Inquiries**

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

**JICA Tsukuba Center (JICA TSUKUBA)**

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Email: [tbictp@jica.go.jp](mailto:tbictp@jica.go.jp)