



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

General information on

**Sediment Disaster Risk Reduction (Online)**

**課題別研修「土砂災害リスク削減」(遠隔研修)**

**JFY 2022**

**Course No.: 202107996J001**

**Online Program Period: From October 31, 2022 to November 18, 2022**

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**

As the landslide risk is growing significantly in the developing countries due to climate change and disorderly development, the importance of “Investing in disaster risk reduction for resilience” has been reached common ground since the Third United Nations World Conference on Disaster Risk Reduction. Japan's philosophy and experience reflect a two-pronged approach of prevention and development, a model to which developing countries can also adhere, striving to utilize Japan's experience and teaching as an "Advanced Disaster Prevention Country" through international cooperation.

## **For what?**

This program aims to improve the knowledge on a comprehensive understanding of sediment disasters<sup>1</sup> and to enhance the ability to consider effective and efficient structural measures for disaster risk reduction/mitigation against sediment disaster.

## **For whom?**

This program is offered to engineers and researchers at a governmental organization (national/local level) in responsible for sediment disaster risk reduction by structural measures.

## **How?**

Participants shall have opportunities to enhance basic knowledge on disaster risk reduction (DRR) countermeasures for sediment disaster mainly by structural measures such as SABO dam. Non-structural measures as a residual risk response will be introduced in a complementary manner. A series of lectures, exercises, workshops and field trips(online) is set for to achieve training objectives. 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 DRR project towards sediment disaster in their countries.

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<sup>1</sup> Sediment slide, Debris Flow and Flash Flood are target disaster in this program. Volcanic Mudflow is not included.

## II. Description

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

**Sediment Disaster Risk Reduction(Online) (202107996J001)**

**2. Online Program Period**

October 31, 2022 to November 18, 2022

**3. Target Regions or Countries**

Bangladesh, Brazil, India, Jamaica, Malaysia, Peru, Thailand, Viet Nam, Zimbabwe

**4. Eligible / Target Organization**

Governmental organization (national/local level) in responsible for structural measures to reduce sediment disaster risk

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

12 participants

**6. Language**

English

**7. Objective**

Participants of this program are expected to sharpen their comprehensive understanding of sediment disasters and to enhance their ability to consider effective and efficient measures for both structural measures to reduce sediment disaster risk

**8. Overall Goal**

- (1) To gain a comprehensive understanding of and have the ability to explain countermeasures for disaster risk reduction / mitigation for sediment disasters
- (2) To learn a technical overview of countermeasures for structural measures for sediment disaster risk reduction, analyze the efficiency and effectiveness of measures based on these techniques, and be able to explain them
- (3) Utilize practical exercises, workshops, and site visits (online) to deepen understanding of lectured topics, and to make a course review report which will help improve sediment disaster countermeasures after returning to one's own country

## 9. Output and Contents

This course consists of the following components. Details on each component are given below. The entire program will be implemented online.

<b>(1) Preliminary Phase (From October 3, 2022 to October 30, 2022)</b>	
<p>Inception Report Writing/ Making PPT Presentation</p>	<ul style="list-style-type: none"> <li>▪ After accepted, each participant is required to prepare an Inception Report on Structural measures and issues for disaster risk reduction/mitigation for sediment disasters in the participant's country in accordance with the instructions provided with the notice of acceptance.</li> </ul> <p><b>Inception Report/PPT Presentation must be submitted by October 3, 2022.</b></p> <ul style="list-style-type: none"> <li>▪ <b>Pre e-learning</b> Video will be provided for you to watch.</li> </ul>
<p><b>(2) Core Phase</b> <b>Online:</b> From October 31, 2022 to November 18, 2022 Participants attend the program implemented both online. This phase consists mainly of lectures, practices and discussions.</p>	
Expected Output	Contents
<p>(1) To gain a comprehensive understanding of and have the ability to explain countermeasures for disaster risk reduction / mitigation for sediment disaster</p>	<ul style="list-style-type: none"> <li>● Planning of landslide disaster reduction, maintenance plan</li> <li>● Design of Sabo dams</li> <li>● Emergency recovery/reconstruction work under the concept of "Build Back Better"</li> <li>● Database conversion of landslide disasters</li> <li>● Non-structure measure (Risk assessment, Hazard mapping etc)</li> </ul>
<p>(2) To learn a technical overview of countermeasures for structural measures for sediment disaster risk reduction, analyze the efficiency and effectiveness of measures based on these techniques, and be able to explain them</p>	

<p>(3) Utilize practical exercises, workshops, and site visits (online) to deepen understanding of lectured topics, and to make a course review report which will help improve sediment disaster countermeasures after returning to one's own country</p>	<ul style="list-style-type: none"><li>● Exercises, workshops and discussions will be conducted for sharpen understanding.</li><li>● Field visit (online) for Sabo project sites</li><li>● Presentation</li><li>● Making a Course Review Report as an output of the program</li></ul>
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## 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: Engineers and researchers at a government organization (national/local level)
- 2) Experience in the Relevant Field: Have more than 7 years of working experience in the field of risk reduction (structural measure) against sediment disasters. We prefer those who have been working in the field of risk reduction (structural measure), but those who are expected to be in charge of structural measure in the near future will also qualify.
- 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 fifty (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 August 26, 2022)

##### **(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 September 9, 2022.**

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

Inception Report -- to be submitted by October 3, 2022

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 October 3, 2022, 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: Sabo & Landslide Technical Center (STC)

### 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/c8h0vm0000ec0zgr-att/tsukuba\\_profile\\_en.pdf](https://www.jica.go.jp/tsukuba/english/office/others/c8h0vm0000ec0zgr-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 October 31, to November 18, 2022	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)**

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

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