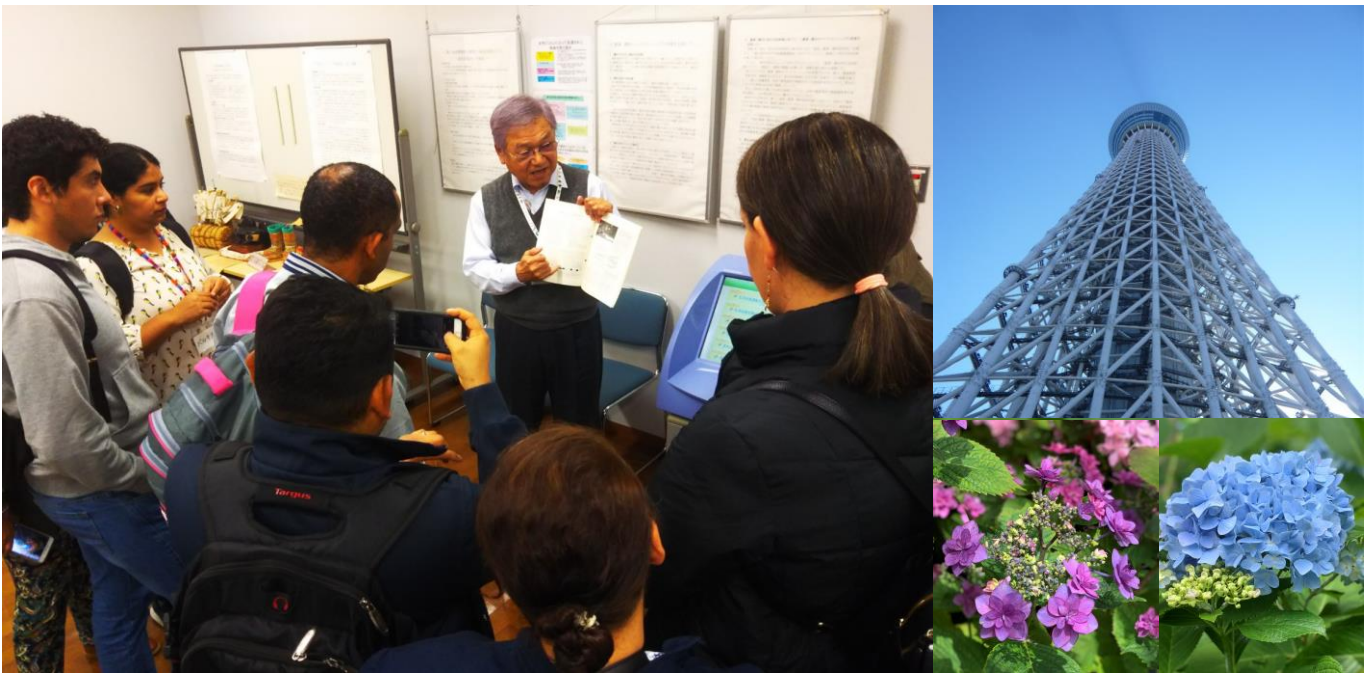Knowledge Co-Creation Program (Group and Region Focus)

Capacity Building in International Law and Policy Formation for Enhancement of Measures to Ensure Cybersecurity

Program Period:
August 20 - August 26, 2023
Program Number:
No. 202208221-J001 (FY2023)

JICA

NOTE: Depending on the circumstances, some or all of the program periods may be changed or cancelled after the application has been accepted.
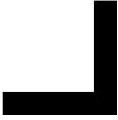
How can law and policy help ensure cybersecurity?

Gain insight required to promote cybersecurity measures by capacity building in law & policy formation for cybersecurity from the experts of Japan.

Outline

This program is designed for the officials engaged in making or implementing cybersecurity policies in government agencies or government/national CSIRT to develop capacity building in international law and policy formation for cybersecurity.

The participants will be provided with opportunities to learn about international law and policies on cybersecurity and the measures taken in Japan, to consider how to apply in their own countries.

All sessions are carried out in English.

The period of the program is from August 20 to August 26, 2023.

Course Capacity: 28

CYBERSECURITY

✓ International Law & Policy

✓ Internet governance

✓ Free flow of data

✓ Critical information infrastructure

JICA Knowledge Co-Creation Program (KCCP)

The Japanese Cabinet released the Development Cooperation Charter in February 2015, 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

With the widespread use of the internet in recent years, an increasing number of malicious cybersecurity incidents (e.g. Ransomware attacks, Distributed Denial-of-Service "DDoS" attacks etc.) have occurred across the border. They have targeted critical infrastructures of governments and private companies, putting their security at risk. Thus, recently, cybersecurity measures have become one of the pressing issues for national defense as well as social security in many countries. Considering such situation, Japan has been fortifying international collaboration and efforts in the field of cybersecurity under the several frameworks such as "ASEAN-Japan Cybersecurity Policy Meeting" since 2009, to make our ICT environment safer and more secure.

Objectives

The program aims to strengthen and promote cybersecurity measures by capacity development of officials engaged in cybersecurity regulations and policies.

To Whom?

Job Areas and Organizations

This program is designed for the government agencies in charge of information security, or government/ national CSIRT (Computer Security Incident Response Team).

Find the further Nominee Qualifications on page 14-15.

Targeted Countries

Armenia, Barbados, Cook Islands, Fiji, Indonesia, Iraq, Ethiopia, Jordan, Laos, Malaysia, Mauritania, Moldova, Mongolia, Nigeria, Pakistan, Philippines, Rwanda, Thailand, Timor-Leste, Trinidad and Tobago, Ukraine, Zimbabwe

When?

Program Period

From August 20, 2023
to August 26, 2023

Where?

This program is carried out **in Japan**, organized by JICA Tokyo Center. You can enjoy not only face-to-face learning experience with other participants from all over the world, but also cultural experience through your stay in Japan!

Tokyo Center
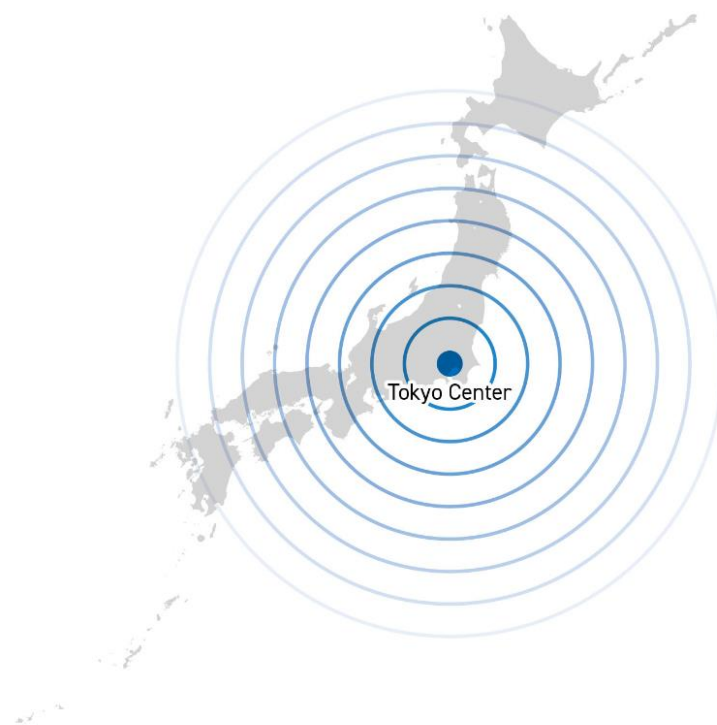
How?

How to Learn

- Online Self-Study
- Lecture
- Site Visit
- Workshop & Discussion
- Presentation

Study Experience Discuss Interact Present

Language

English

Commitment to the SDGs

Program Contents *The contents may be subject to minor change.*

(1) Pre-assignments before the program		
		(July of 2023)
Module		Activities
To acquire the basic knowledge	*For Accepted Candidates only*	Read and Watch the materials below by yourselves [On-Demand] 【REQUIRED】 ■UN Cyber Diplomacy (3.5 hours) https://cyberdiplomacy.disarmamenteducation.org/ *Need to create your own user account to take this online course.* *Required to submit the Certificate by the end of July, which given upon completion of the course.* 【REFERENCE】 ■Report of the Group of Governmental Experts, UN A/70/174 - E - A/70/174 -Desktop (undocs.org) ■National center of Incident readiness and Strategy for Cybersecurity (NISC): https://www.nisc.go.jp/eng/index.html ■Ministry of Internal Affairs and Communications (MIC): http://www.soumu.go.jp/english/index.html ■Ministry of Economy, Trade and Industry (METI): http://www.meti.go.jp/english/index.html ■JICA-net: [JICA-Net Library]Japanese Assistance on Cybersecurity for Developing Countries(Full ver.) - YouTube
To identify and define issues on cybersecurity in your country.	*For Accepted Candidates only*	【REQUIRED】 Formulate and Submit materials for **"Country Report Presentation"** *Due date for submission: August 9th(Wed), 2023 To: tictee@jica.go.jp / Udo.Atsuko@jica.go.jp (*Please refer to the Annex 1)

(2) Core Program in Japan

(August 20th to August 26th, 2023)

Modules

0. *Introduction*:

-Self-introduction from participants

-Summary introduction of your Country Reports

1. *Overview of Cybersecurity Policy*:

-Socioeconomic impact of cybersecurity policy

-International trends on cybersecurity law & regulation and internet governance

-Data Free Flow with Trust

2. *Future Trends of Cybersecurity*:

-Latest and future threats on cybersecurity

-Socioeconomic impact of threats

-Expected measures taken by governments and their roles

3. *Cybersecurity Challenges and Efforts in Japan*:

-Japanese approach towards international trends

-Current situation and challenge of Japanese cybersecurity

Expected Learning Outcome 1:

To be able to understand the international trends on cybersecurity policies (including state of cyberspace, internet governance and free flow of data).

Covered in Modules – **1** **2**

Expected Learning Outcome 2:

To be able to understand the difference of cybersecurity policies and its related priority areas between Japan and their home countries (including critical information infrastructure protection, awareness raising, capacity building, public-private partnership and incident management).

Covered in Modules – **1** **2** **3**

Expected Learning Outcome 3:

To be able to propose action plan for enhancement of cybersecurity policy and measures back in their countries.

Covered in Modules – **1** **2** **3** **4**

(3) Follow-up Activities [for selected countries]

(After October of 2023)

4. *Individual Consultation*:

Individual consultation (about 30-45 minutes for each country) by Japanese experts will be implemented online to follow up implementation of your action plan. The detailed schedule will be coordinated individually after the core program.

JICA Knowledge Co-Creation Program (Group and Region Focus)

Capacity Building in International Law and Policy Formation for Enhancement of Measures to Ensure Cybersecurity

<Tentative Program Schedule in Japan> (for reference)

DAY	TYPE	PROGRAM	LECTURER/PRESENTER
Day 1	Orientation	JICA Briefing/ Program Orientation (Ice Break, Self Introduction)	JICA
	Presentation	Country Report Presentation	Participants
Day 2	Lecture	Module2: MIC's Cybersecurity Measures	Ministry of Internal Affairs and Communications (MIC), Japan
	Lecture	Module1: Foreign Policy for Cybersecurity by Japanese Government	Ministry of Foreign Affairs (MOFA), Japan
Day 3	Lecture	Module1: Law and Policy of Cybersecurity	Prof. Yuasa, GS of Governance Studies, Meiji Uni.
	Lecture	Module2: Offensive Cyber Operation	JPCERT/CC
	Site Visit	Module3: LAC and JSOC services	LAC Co., Ltd.
Day 4	Lecture & Workshop	Module3: Cybersecurity Challenges and Efforts (Workshop)	National center of Incident readiness and Strategy for Cybersecurity (NISC)
	Lecture	Module3: Policy measures using ICT technology in Municipality	Municipality
Day 5	Presentation	Action Plan Presentation	Participants
		Closing Ceremony	JICA

Advisors

Prof. YUASA Hiromichi

Meiji University, Graduate School of Governance Studies –Public Policy School-

Message: Cybersecurity is one of the most important policy issues today. Join us to understand the relationship between disinformation, crime, interstate conflict, state supported cyber attack in cyberspace and international law and politics.

Instructors

Mr. DEGUCHI Satoshi

National center of Incident readiness and Strategy for Cybersecurity (NISC)

Message: Hello everyone! I am Deguchi ("Sato"). I have been working for around 20 years in the IT/Security sector as an engineer, consultant and government official. In my class, I prefer interactive workshop style discussions to normal lectures. Let's have fun discussions in our class.

Other Japanese professors and experts will be assigned after coordination.

Program Officers

Ms. UDO Atsuko

Japan International Cooperation Agency (JICA)

Tokyo Center

Message: Hello, friends! Have you ever experienced knowledge co-creation with other countries' friends on cybersecurity law and policy? In this program, we focus on international policies and regulations based on the updated trends as a key of the contribution to cybersecurity. Let's gain a new perspective through lectures and discussions. Looking forward to meeting you!
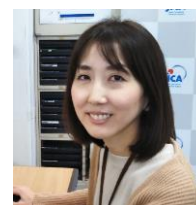
Ms. KAWAI Risa

Program Officer, Office for STI & DX, Governance and Peacebuilding Department, Japan International Cooperation Agency (JICA)

Message: Hello, everyone! In this program, we will introduce cyber security laws and policy making cases in Japan and in the world. You will also have an opportunity to learn about cases in other countries from other participants. This year, all training will be held face-to-face. We are waiting for you here in Japan!

Voice

Past Program Alumni Comments

Ex-Participant from National Cyber Security Center of Myanmar

Through this KCCP, I have learned a lot about the cybersecurity policies and the role/responsibilities of concerning government ministries and agencies for cybersecurity in Japan.

Since my country still does not have good relevant policies and guidelines on cybersecurity and critical infrastructure protection, all the subjects are very beneficial and useful for my country.

I would be able to apply the knowledge and experiences gained through this program to implement and improve cybersecurity policies for our governmental organizations back home!

Ex-Participant from National Cyber and Crypto Agency of Indonesia

I learned how Japan implements cybersecurity policies, especially how each institution, including the government, carries out their role in supporting the implementation of cybersecurity in Japan. What's more interesting is, I studied with several colleagues from various countries in ASEAN. So besides Japan, I also learned how other developing countries are trying to implement cybersecurity policies in their countries.

This program is very well formulated and prepared, as we can have the whole package of learnings on cybersecurity policy implementation in ASEAN and the region, not only Japan. The participants also will build a new friendship, where we can help each other in coordinating future plans and cooperation.

I also have great experience participating in this program where I learned a lot of Japanese cultures. JICA also provides a very proper accommodation and services to make us enjoy the program.

Eligibility and Procedures

1. Expectations to the Applying Organizations

(1) This program is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Applying organizations are therefore expected to use the program fully for strengthening and promoting cybersecurity measures in the country.

(2) This program is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the program 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**: be engaged in making or implementing cybersecurity policies (framework on cybersecurity, strategic planning, legal system, formulation of policy or implementation of measures etc.)

2) **Experience in the Relevant Field**: have good knowledge of information security technology (e.g. threats, vulnerability, ransomware, targeted attack, critical (information) infrastructure protection, IoT, ISMS etc.) and skills

3) **Educational Background**: be a graduate of university, or its equivalent

4) **Language Proficiency**: have a competent command of spoken and written English proficiency (This program includes active participation in discussions, which requires 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. 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) **Duty Positions:** be director/assistant director, or its equivalent

2) **Age:** between the ages of twenty-five (25) and fifty (50) 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)**
* If you have any difficulties/disabilities which require assistance, please specify necessary assistances in the QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION (1-(c)) of the application form. Information will be reviewed and used for reasonable accommodation.

(2) **Photocopy of Passport:** or photocopy of other official ID to be submitted to clarify your name notation.
*The following information should be included in the photocopy:
Name, Date of Birth, Nationality, Sex

(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. 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).**
The deadline at JICA Center in Japan will be as shown below;

*For general applicants: **by June 30th (FRI), 2023.**
*For those who have relationship with Military: **by June 2nd (FRI), 2023.**

(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 July 14th (FRI), 2023**.

5. Additional Document(s) to be submitted by Accepted Candidates

Country Report -- to be submitted **by August 7th (MON), 2023**
Accepted candidates are required to prepare Country Report (Please read Annex I for detailed information.) beforehand. The Country Report should be sent to JICA Center, preferably by e-mail to tictee@jica.go.jp / Udo.Atsuko@jica.go.jp

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.

---

7. Completion Requirement

Certificate of Completion will be presented by JICA when the requirements below is completed. The participants of KCCP are required

(1) to attend 70% of the program,
(2) to submit all the assignment (reports and questionnaire) as requested by JICA.

Administrative Arrangements

1. Organizer (JICA Center in Japan)

(1) **Center**: JICA Tokyo Center (JICA TOKYO)

(2) **Program Officer**: Ms. UDO Atsuko (Udo.Atsuko@jica.go.jp)

2. Implementing Partner

Under Planning

3. Expenses

The following expenses in Japan will be provided by JICA:

(1) Allowances for meals, living expenses, outfits, and shipping 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 "KENSHU-IN GUIDE BOOK," which will be given before departure for Japan. *Link to JICA HP (English):

https://www.jica.go.jp/english/our_work/types_of_assistance/tech/accept

4. Pre-departure Orientation

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

JICA Knowledge Co-Creation Program (Group and Region Focus)

Capacity Building in International Law and Policy Formation for Enhancement of Measures to Ensure Cybersecurity

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 Tokyo	https://www.jica.go.jp/tokyo/english/office/index.html https://www.youtube.com/watch?v=qUsxpNG5p4E

5. Reference

PDF: KENSHU-IN GUIDE BOOK

For more detailed terms and conditions

https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/c8h0vm0000011i07-att/guide_en.pdf

Website: JICA

https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/index.html

Annex I

For Accepted Candidates Only

Country Report

1. Objectives:

The aim of Country Report is to share the current situation and issues of cybersecurity policy & measures in participant's organization or country with Japanese experts and other participants.

Moreover, Country Report will help them to know the details of participant's professional careers, present challenges of each country and expectation toward the program, to enhance "knowledge co-creation" among the participants.

2. Presentation:

Participant will deliver a presentation at the beginning of the program. Please note that you may include the contents below in your materials **(Power Point, maximum 10 slides**) and presentation.

(1) Role of your organization

(2) Formulation of policies & activities on cybersecurity in your country
- Legislation & regulation
- Initiatives (strategy, policy or guidelines)
- Activities (CII, ISO/ IEC 27001 certification, capacity building, cooperation framework, cybersecurity, etc.)

(3) Issues
-Current efforts, challenges or issues in cybersecurity measures
-Your specific interests, concerns or expectations toward the program

---

*Due date for submission: AUGUST 7th (MON), 2023.

(To: tictee@jica.go.jp / Udo.Atsuko@jica.go.jp)

* Participants from the same country/organization will be requested to make a joint presentation.

JICA Knowledge Co-Creation Program (Group and Region Focus)

Capacity Building in International Law and Policy Formation for Enhancement of Measures to Ensure Cybersecurity

Annex II

Expected Target Organizations

	COUNTRY	ORGANIZATION
1	Armenia	The Ministry of High-Tech Industry
2	Barbados	DIGITAL INFRASTRUCTURE DIGITAL SOLUTIONS DATA PROTECTION COMMISSION
3	Cook Islands	Information Communication Technology
4	Ethiopia	Ministry of communication and information Technology
5	Fiji	Ministry of Communications
6	Indonesia	Ministry of Communication and Information Technology, National Cyber and Crypto Agency
7	Iraq	Ministry of Interior Ministry of Communications
8	Jordan	Ministry of Digital Economy
9	Laos	Department Cyber Security
10	Malaysia	National Cyber Security Agency
11	Mauritania	Ministry of Digital Transformation, Innovation and Modernization of the Administration
12	Moldova	Ministry of information Technology and Communications
13	Mongolia	Ministry of Digital Development and Communications
14	Nigeria	Federal Ministry of Information and culture
15	Pakistan	Ministry of Information Technology and Telecommunication, Intelligence Bureau
16	Philippines	Department of Information and Communications Technology
17	Thailand	National Cyber Security Agency
18	Timor-Leste	Technology Information and communication (TIC)
19	Trinidad and Tobago	Ministry of Digital Transformation

20	Rwanda	Ministry of ICT and Innovation
21	Ukraine	The State Service of Special Communications and Information Protection of Ukraine, State Border Guard Service of Ukraine, State scientific and research institute of cybersecurity and information protection, Security service of Ukraine
22	Zimbabwe	Ministry of Information Communication Technology

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 course 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.

Correspondence

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

Further, address correspondence to:

JICA Tokyo Center (JICA Tokyo)

Address: 2-49-5 Nishihara, Shibuya-ku, Tokyo 151-0066, Japan

TEL: +81-3-3485-7051   FAX: +81-3-3485-7904

("81" is the country code for Japan, and "78" is the local area code)