



【Online】 Knowledge Co-Creation Program (Group & Region Focus)

General Information

on

Strategy for Resilient Societies against Natural Disasters

課題別研修「災害に強いまちづくり戦略」

JFY2020

Course No. 201902304J001

Online Program Period in Japan: From January 20th, 2021 to February 12th, 2021

This information pertains to one of the JICA Knowledge Co-Creation Programs (Group & Region Focus) of the Japan International Cooperation Agency (JICA), which shall be 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, 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.

I. Concept

Background

The number of natural disaster of the world is increasing, and the disaster remain a major drawback to sustainable development. Looking at the characteristics of past disasters in Japan and the world, it is said that the disaster with the highest frequency of occurrence is flood damage and the disaster with the most damage is an earthquake.

In Kobe, Japan, the Great Hanshin Flood occurred in July 1938, causing 925 lost lives as exceptionally heavy torrential raining caused landslides. On January 17, 1995, the Great Hanshin-Awaji Earthquake shook violently Kobe and nearby cities resulting in losses of more than 6,000 lives and property damage of over 10 trillion yen (US\$ 100 billion). The lessons learnt from the past disasters and the future strategies for disaster risk reduction were encapsulated in the Hyogo Framework for Action 2005 – 2015 (HFA) which was announced at the United Nations 2nd World Conference on Disaster Reduction (UNWCDR) held in Kobe city in January 2005. The HFA strongly calls for pro-active measures for disaster risk reduction (DRR) and the holistic and comprehensive approaches to integrate efforts of all the stakeholders involved in DRR. On March 11, 2011, the Great East Japan Earthquake followed by Tsunami caused unprecedented level of damages to Japan, and DRR is considered as of prime importance more than ever before.

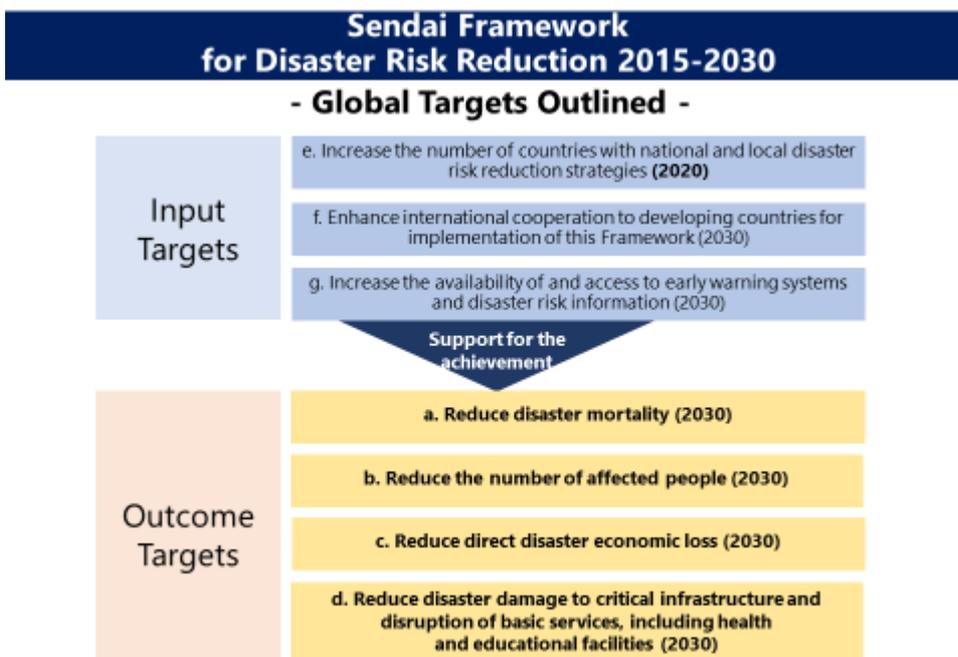
HFA was followed by “Progress and challenges in disaster risk reduction: a contribution towards the development of policy indicators for the post-2015 framework for disaster risk reduction” in 2014, which called for a new paradigm such as land use planning, eco-system management, socio-economic impact assessments, involvement of other stakeholders, and climate change related policies.–Besides, “The Sendai Framework for Disaster Risk Reduction 2015-2030” was adopted as post-HFA at the UN 3rd World Conference on Disaster Risk Reduction in Sendai, Japan, 2015, which is to promote activities on DRR worldwide. According to the Sendai Framework for DRR, there are 4 Priorities for Action.

1. Understanding disaster risk;
2. Strengthening disaster risk governance to manage disaster risk;
3. Investing in disaster risk reduction for resilience;
4. Enhancing disaster preparedness for effective response, and to “Build Back Better” in recovery, rehabilitation and reconstruction.

Besides these Priorities for Action, there are 7 global targets, including 3 input targets and 4 outcome targets. Among the 3 input targets, Target (e), “Substantially increase the number of countries with national and local disaster risk reduction strategies by 2020”, is recognized as an important keystone along with other 2 input targets, Target (f) and (g), to achieve the 4 outcome targets, which are expected to achieve by 2030.

Since it has already been 2020, which is the target year to achieve Target (e), steady implementation of what are written in the national and local DRR plans in each country

is also a crucial element.



In Japan, both national and local governments such as Kobe city had been making an effort to strengthen society to be resilient against natural disaster by implementing, verifying and revising our DRR strategies/plans. This program seeks to contribute to achievement of the Global Targets of the Sendai Framework by providing insights/methods for practical implementation of local DRR strategies/plans in each phase of disaster management cycle, “mitigation”, “preparedness”, “response” and “recovery and reconstruction” in order to make resilient society against natural disasters mainly based on Kobe city’s experience.



The Sustainable Development Goals (SDGs) of the 2030 Agenda for Sustainable Development were adopted at the United Nations in September 2015. The most relevant Goal and Target in resilient society to disaster are the followings;
 Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable.
 Target 11.b: By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with **the Sendai Framework for Disaster Risk Reduction 2015-2030**, holistic disaster risk management at all levels.

Therefore, having resilient societies against natural disaster is crucial for achieving sustainable development.

Disaster Risk Reduction is essential for attaining sustainable development and building resilient society in disaster-prone countries.

For what?

This program is designed to promote making resilient society by sharing experiences and good practices in Japan (especially Kobe city). The program also seeks to contribute to achievement of the Global Targets of the Sendai Framework by providing insights/methods for practical implementation of local DRR strategies/plans.

For whom?

This program is designed for officials who are engaged in DRR in the countries suffered from the high frequency of natural disasters.

How?

Through online self-study program, participants will have opportunities to gain knowledge of establishing strategy for disaster resilient societies. Aside from Japanese experiences on disaster mitigation”, “preparedness”, “response” and “recovery and reconstruction” in disaster management cycle, this program emphasizes on the importance of mitigation and its Japanese experiences, since ex-ante investment to DRR measures largely contributes to reduce the damages and risk of disasters.

Also participants are expected to formulate a final report to verify/revise current DRR strategies/plans as necessary and to implement them effectively.

<Disaster Management Cycle>



(Reference)

- **Disaster Management in Japan (Cabinet Office, Government of Japan)**
http://www.bousai.go.jp/1info/pdf/saigaipamphlet_je.pdf#search='cabinet+office+disaster+management'
- **Toward Mainstreaming Disaster Risk Reduction –Building Disaster Resilience Society- (JICA)**
https://www.preventionweb.net/files/42614_towardmainstreamingdisasterriskredu.pdf
- **Lessons from the Great Hanshin-Awaji Earthquake**
https://www.jica.go.jp/kansai/drlc/ku57pq000005kh18-att/04-02_jica_en.pdf
- **The Great Hanshin flood of 1938 digital archive(Japanese)**
<https://www.kkr.mlit.go.jp/rokko/S13-2/index.php>

II. Description

- 1. Title (Course No.):**
Strategy for Resilient Societies against Natural Disasters (201902304J001)
- 2. Course Period in JAPAN:**
From January 20th, 2021 to February 12th, 2021
- 3. Target Regions or Countries**
Marshall Islands, Antigua and Barbuda, Barbados, Mexico, Brazil, Peru, Turkey, Serbia, Montenegro, Ukraine
- 4. Eligible / Target Organization:**
Local or national government which is involved with making safe and resilient cities against natural disasters
- 5. Course Capacity (Upper limit of Participants):**10 participants
- 6. Language to be used in this program:** English
- 7. Program Objective:**
To formulate a final report conducive to disaster resilient societies under the responsibility of participating organization (or participants).
- 8. Overall Goal**
To develop the strategy for disaster resilient societies in the participating countries.

9. Expected Module Output and Contents:

This program consists of the following components which are based on a disaster management cycle. (Please refer to P 4)

Details on each component are given below. (Note: subject to change)

(1) Preliminary Phase until Online Self-Study Program starts Participants are required to prepare for this program.	
Expected Module Output	Activities
To prepare for the Online Self-Study Program	<ul style="list-style-type: none"> • <u>Applicants</u> are required to prepare a Basic Information and submit it with Application Form. Please refer to ANNEX-1. • <u>Accepted participants</u> are required to prepare a Job Report to share your DRR situation with JICA, other participants and Japanese attendees. Please refer to ANNEX-2.

(2) Online Self Study Program (From January 20th to February 12th, 2021) *Participants may have online interactive sessions. *Subject to change		
Expected Module Output	Subjects/Agendas	Methodology
[Module 1] Mitigation Phase To understand the importance of multiple disaster mitigation countermeasures and methods based on disaster risk reduction (DRR) plans and DRR related plans	<ul style="list-style-type: none"> • Urban Planning • Local DRR Plan and Resilience Building Plan • Countermeasures against Earthquake/Flood/Sediment related disasters 	<Online Self-Study> • Reading the Power Point Slides and Reference Materials. • Q&A consultation via E-mail. • Submitting Feedback sheets or reports.
[Module 2] Recovery & Reconstruction Phase To understand the components and process of "Build Back Better" in recovery, rehabilitation and reconstruction	<ul style="list-style-type: none"> • Recovery plan of Kobe city 	<Online Self-Study> • Reading the Power Point Slides and Reference Materials. • Q&A consultation via E-mail. • Submitting Feedback sheets or reports.
[Module 3] Relief/Response Phase To understand the DRR methods and tools through cooperation between community and municipality (self, mutual and public help)	<ul style="list-style-type: none"> • Crisis management system and initial emergency response of Kobe city • Voluntary DRR organization (BOKOMI) by Kobe City 	<Online Self-Study> • Reading the Power Point Slides and Reference Materials. • Q&A consultation via E-mail. • Submitting Feedback sheets or reports.

<p>[Module 4] <u>Preparedness Phase</u></p> <p>To understand the plans for preparing natural disasters and methods of raising awareness of DRR</p>	<ul style="list-style-type: none"> • DRR Education for Public Officials • Promotion of Education for DRR • Local DRR Plan • Japan Meteorological Agency's activities on weather related disasters and earthquakes 	<p><Online Self-Study></p> <ul style="list-style-type: none"> • Reading the Power Point Slides and Reference Materials. • Q&A consultation via E-mail. • Submitting Feedback sheets or reports.
<p>[Module 5] <u>Final Report</u></p> <p>To formulate a final report with strategy for resilient society against natural disasters especially in the field of disaster mitigation and preparation</p>	<ul style="list-style-type: none"> - Course Orientation - Job Report Sharing - Final Report Presentation <p>(Note: Please refer to ANNEX-3 for preparation for a final report)</p>	<ul style="list-style-type: none"> • Web based consultation. • Web based presentation sharing.
<p>(3) Finalization Phase after this program Participating organizations produce final outputs by making use of results brought back by participants.</p>		
Expected Module Output	Activities	
To utilize the final report	Dissemination the final report and utilize it to improve DRR situation in each participant's country.	

- During this Online Self-Study Program, you are supposed to:
 - take approximately 15-20 online lectures(30-45 minutes/each),
 - submit 4 short reports in each phase and Final Report

During the program, you are responsible for time management. Please make sure that you discuss this with your supervisor in your organization, so that you have enough time to focus on your program work.

Output		Lectures (Subject to change)
Introduction		Resilient Societies against Natural Disasters
		Disaster Risk Reduction Administration in Japan
		Global DRR Trend, JICA's Efforts for DRR
1	Mitigation	Kobe City Local DRR Plan and Resilience Building Plan
		Kobe City Urban Planning
		Kobe City's Measures against Earthquake
		Kobe City's Measures against Flood
		Building a Flood-Resilient Nation
		Kobe City's Measures against Sediment Related Disasters
Output 1 Short Report		
2	Recovery/ Rehabilitation	Kobe City Recovery Plan
Output 2 Short Report		
3	Response	Crisis Management System and Initial Emergency Response in Kobe City
		Outline of Kobe City Disaster Safe Welfare Communities (BOKOMI)
Output 3 Short Report		
4	Preparedness	JMA (Japan Meteorological Agency)'s Activities on Prevention/Mitigation of Damages by Weather Disasters
		Promotion of Education for Disaster Risk Reduction in Hyogo Prefecture
		DRR Education for Public Officials
		DRR Education Event (IZA! KAERU Caravan)
Output 4 Short Report		
Final Report		

III. Eligibility and Procedures

1. Expectations for the Participating Organizations:

- (1) This program is designed for organizations that intend to address specific issues or problems identified regarding making strategies for resilient societies against natural disasters in their operation. Participating organizations are expected to utilize this program for those specific purposes.
- (2) As this program is designed to facilitate organizations to come up with concrete solutions for their issues, participating organizations are expected to support the participants to prepare their presentation on the Job Report, which is described in this General Information (ANNEX-2).

2. Nominee Qualifications:

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

(1) Essential Qualifications:

- 1) Current duties: be officials currently engaged in DRR and (will be) involved in the formulation/implementation of disaster risk reduction plans for natural disasters at local or central government level.
- 2) Experience in the relevant field: have work experience of more than 3 years in the field mentioned above.
- 3) Educational background: university graduate or equivalent.
- 4) Language: Language: have a competent command of English which is equal to TOEFL iBT 80 or more (This program requires high competence of English ability. Please attach an official certificate for English ability such as TOEFL, TOEIC, etc., if possible.)
- 5) Technical Requirements for the Online Program (Computer)

Technology Proficiency:

- Basic computer skills such as, sending/receiving email with attachments, and using a web browser.
- Online course may be delivered using the following services, Web Conferences (Zoom, Google Meets, MS Teams), Cloud Storage (Google Drive, Gigapod), and YouTube. (Online tutorial and support by JICA will be limited. The ability to be self-directed in learning new technology skills are required.)

Internet Connection:

- High Speed Broadband Connection (at least 2Mbps) from your home or your office.

*In principle, internet access charge incurred for this course shall be borne by you/your organization.

Hardware (Minimum Requirement):

- Regular access to a computer, either from your home or from your office.
- Operating System: Windows or Mac OS (Updated version is preferred).
- Processor: Intel Core 2 Duo or higher; 2GHz or higher
- Memory: 4GB of RAM or higher
- Hard Drive Space: 5GB free disk space
- Browser: Google Chrome is preferred browser. (Edge, Firefox, Safari can be used)
- Others(which may be required): Webcam Microphone, and Audio output Device (Speaker or Headset)

*In some cases, Smartphone (Android OS or Apple iOS) can be used as substitute of PC.

Software (which may be required):

- Zoom Client for Meeting (<https://zoom.us/download>)

*In case you are using your office computer and use of Zoom is not authorized by your IT administrator, please notify JICA at the time of application.

6) Participation in online program and submission of various assignments is an essential requirement for the completion of the program.

(2) Gender consideration

JICA is promoting 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 office (or the Embassy of Japan)**.
- (2) Photocopy of passport:** Photocopy should include Name, Date of Birth, Nationality, Sex, Passport number and Expire date.
- (3) Nominee's English Score Sheet (Photocopy):** to be submitted with the Application Form, if you have any official documentation of English ability (e.g., TOEFL, TOEIC, IELTS).
- (4) Basic Information:** Each applicant is required to submit a Basic Information together with Application Form. Basic Information will be used for screening of applicants, and applications without completed Basic Information will not be considered as duly qualified. (Please refer to **ANNEX-1**)

4. Procedure for Application and Selection :

(1) Submission of the Application Documents:

Closing date for applications: **Please inquire to the JICA office (or the Embassy of Japan)**.

After receiving applications, the JICA office (or the Embassy of Japan) will send them to **the JICA Center in JAPAN by December 11th, 2020.**

(2) Selection:

Primary screening is conducted at JICA 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:

Notification of results will be made by the JICA office (or the Embassy of Japan) **not later than December 22nd, 2021.**

5. Document to be prepared by accepted participants before online program starts:

Accepted participants should submit “Job Report” by **January 11th, 2021.** As for details, please see ANNEX-2.

6. Conditions for Attendance:

Participants of KCCP required

- (1) to strictly adhere to the program schedule.
- (2) not to change the program topics.
- (3) not to record or share the online contents without JICA’s permission.
- (4) to comply with the use conditions of copyrighted works by each copyright holder, when using texts and other materials distributed for KCCP.

IV. Administrative Arrangements

1. Organizer:

(1) Name: JICA Kansai

(2) Contact: Ms. Ayaka UDA (Uda.Ayaka.2@jica.go.jp) and Mr. Kento HIRAI (Hirai.Kento@jica.go.jp)

2. Implementing Partner:

Kobe International Center for Cooperation and Communication (KIC)

http://www.kicc.jp/index_en.html (English)

3. Course Leader:

(1) Name: Dr. Yuichi Honjo

Research Professor - University of Hyogo

(2) Remark: Dr. Honjo played a key role for formulating and implementing the recovery plan of Kobe City (10-year plan), after the Great Hanshin Awaji Earthquake. He travels around the world to share Kobe's lessons and his know-how which he wishes to serve as a reference for recovery from natural disaster in each country with people concerned. After the Great East Japan Earthquake, he took part in the formulation of Sendai City's recovery plan as an adviser.

V. Other Information

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

VI. ANNEX

ANNEX-1 FORMAT OF “BASIC INFORMATION” (for screening)

Strategy for Resilient Societies against Natural Disasters (JFY 2020)

BASIC INFORMATION

Preparation of Basic Information

Each applicant is required to submit this Basic Information together with the Application Form. This will be used for screening of applicants, and applications without completed Basic Information will not be considered as duly qualified.

(1)	Your name (Country)
(2)	Your Organization, Department, division, section and/or unit.
(3)	Your current functional title and duties (Please describe your occupation and professional responsibilities in 2020)
(4)	Please attach/show an organogram of your organization and whole disaster management system that shows roles of respective departments/organizations in your country
Information regarding DRR situation in your country / organization	
(5)	Information on types of disasters and damages caused by natural disasters
(6)	1) Total national budget 2) Budget allocation for DRR (expressed both as ratio(percentage) in total national budget as well as in total amount-in USD(\$))

(7)	Current national/local DRR plans/strategies and related laws and regulations (Please attach the DRR plans/strategies, and important related laws and regulations in digital and printed format, if available in English.)
(8)	Problems at your organization that need to be solved and current activities to solve the problems in each phase of Disaster Management Cycle (Mitigation, Recovery & Reconstruction, Relief & Response and Preparedness).
	[Mitigation]
	[Recovery & Reconstruction]
	[Relief & Response]
	[Preparedness]
(9)	Challenges and desired improvements in your organization and those of the whole DRR system
(10)	Your personal expectation to this program. / Your organization's expectation to this program

ANNEX-2 JOB REPORT

After selection, accepted participants are requested to formulate “Job Report” based on ANNEX-1 to share your DRR situation with JICA, other participants and Japanese attendees.

Please prepare and submit it by January 11th, 2021.

Format:

1. Job report should be prepared by Microsoft® Power Point.
2. Please include the explanation of the national or local plan/strategy for DRR in your country
3. Job report should cover the following elements.
 - (1) The missions of participants’ organization and his/her own duty
 - (2) Natural disasters which typically occur in participant’s country, and that have occurred in recent years and its damage
 - (3) Experience(s) of DRR activities in participant’s duties
 - (4) Problems at participant’s organization that need to be solved in each phase of Disaster Management Cycle (Mitigation, Recovery & Reconstruction, Relief & Response and Preparedness) and current participant’s activities to solve the problems. Please describe them along the following angles;
 - Especially disaster mitigation in Disaster Management Cycle
 - Developing/implementing national/local DRR plans/strategies
 - Implementing Sendai Framework for Disaster Risk Reduction
 - Others
 - (5) Objectives to participate in this program
4. Please include below;
 - (1) Table of contents of the national/local plan/strategy for DRR
 - (2) An item/items you want to focus in the plan/strategy
 - (3) Pictures, maps etc.
5. One report per participant.
6. Number of slides: about 10~15 slides.
7. Language: English

Others:

- Please share your Job Report presentation through designated online storage (accepted participants are going to be notify)
- Please introduce material(s) as a sample of DRR activities in your country (If any) in order to share them with other participants and Japanese attendees.

ANNEX-3 Final Report

In this program, participants are expected to formulate final report that contribute to DRR in line with the national/local DRR plan/strategies based on the knowledge and ideas acquired through this program especially in the field of mitigation/preparedness phase.

Format:

1. Title
2. “Resilient” Society” for your country
 - Outline of the national/local DRR plan/strategies
 - Relation with national/local DRR plan/strategies
 - Point/points you focused in this report
3. Problems and causes
4. Target area, Responsible bodies, Stakeholders, etc.
5. Activities (Short term/Long term)
6. Budget (including the roadmap to secure the budget) (eg. Explanation to Congress of Municipality)
7. Details of activities (Implementation schedule (If possible))
8. Knowledge, Ideas, etc. that you introduce (Make a list the specific lectures you introduce)
9. Others

Others:

Any awareness/findings that you gained in this program

Note:

- Contents of the final report should be feasible.
- Participants will have more detailed guidance during the program.

For Your Reference

JICA and Capacity Development

Technical cooperation is people-to-people cooperation that supports partner (developing) countries in enhancing their comprehensive capacities to address development challenges by their own efforts. Instead of applying Japanese technology per se to developing 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 developing 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 a Training Program, and it is one of the core programs carried out in Japan. By inviting officials from developing 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 programs 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 the 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, 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 developing countries where the circumstances differ, but the experiences can provide ideas and clues useful when devising measures to solve problems in developing countries.

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:

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