Knowledge Co-Creation Program
(Group & Region Focus)

General information on

RENEWABLE ENERGY IN GRID -MAINLY ON PHOTOVOLTAIC- (B) (Online)

課題別研修　再生可能エネルギー導入計画 - 太陽光発電を例として - (B) (遠隔)

JFY 2022

Course No.: 202110074J001

Online program period:

First terms : From October 4, 2022 to November 11, 2022
Second terms : From November 21, 2022 to December 27, 2022

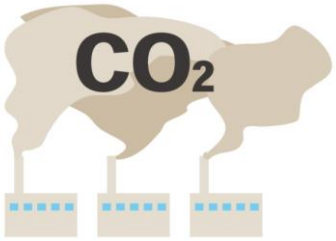
This information pertains to one of the JICA Knowledge Co-Creation Program (Group & Region Focus) of the Japan International Cooperation Agency (JICA), which shall be implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both Governments.

JICA Knowledge Co-Creation Program (KCCP)

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



The Paris Agreement, which entered into force in 2016, calls for (1) efforts to keep the global average temperature increase well below 2°C above pre-industrial levels and to limit it to 1.5°C, and (2) to peak out global greenhouse gas emissions as soon as possible and to achieve a balance between greenhouse gas emissions and sinks in the second half of the 21st century.

It is necessary to reduce greenhouse gas emissions within the momentum of the Paris Agreement. Renewable energy can contribute to the realization of the Paris Agreement because it does not emit greenhouse gases.

Photovoltaic power generation is attractive to developing countries because it is a low-carbon, clean power source with a short development lead time and low running costs. It is an attractive power source for developing countries because of its low carbon, clean power source, short development lead time, and low running costs.

On the other hand, if more than a certain percentage of PV is introduced into the grid, grid stabilization measures and additional energy storage functions will be required. However, if more than a certain percentage of the grid is covered, grid stabilization measures and additional energy storage functions will be required, which may worsen the overall economics of the grid.

When introducing such power sources, it is important to consider the appropriate in introducing solar power, appropriate decisions need to be made in comparison with other power supply options. In order to address issues such as grid instability associated with the mass introduction of solar power, it is necessary to contribute to sustainable development in developing countries by leveraging Japan's technological capabilities.

In light of this background, the purpose of this training course is to acquire the basic principles and characteristics of renewable energies, especially solar power generation, as well as the knowledge and technologies necessary for the introduction, promotion, and maintenance of solar power generation, and to propose action plans for the diffusion of solar power generation that are appropriate to the circumstances of each country.

For what?

This program aims at learning necessary knowledge technologies, and policies to adequately introduce, promote, maintain and manage PV generation for the effective use of solar energy, especially local grid system and local or national grid connected system for power source

diversity.

For whom?

This program is intended for officials who develop and manage PV generation projects at central/rural governmental organization and electric power generation public corporation.

How?

Participants shall have opportunities to learn technologies of photovoltaic generation, storage, control, electricity consumption, etc. through lectures in online and discussions, and to understand the issues of their home countries through learning theoretical perspectives and experience of Japan.

Participants will also formulate an action plan describing what the participant will do after they go back to home country putting the knowledge and ideas acquired and discussed among others into their on-going activities.

II. Description

1. **Title (Course No.)**
   Renewable Energy in Grid -Mainly on Photovoltaic-(B) (202110074J001)

2. **Online program period:**

   First terms : From October 4, 2022 to November 11, 2022 (6 weeks)
   Second terms: From November 21, 2022 to December 27, 2022 (6 weeks)

   The course period is divided into first and second semesters. Participants will participate in 6 weeks of online training in the first terms, followed by a 1-week break period, and then 6 weeks in the second terms.

3. **Target Countries :**

   Algeria, Benin, Bolivia, Brazil, Namibia, Niger, Nigeria, Sierra Leone

4. **Eligible /Target Organization**
   This program is intended for Energy policy departments or the Power Authority of the central and local government in charge of introduction, promotion, maintenance and management of PV generation.

5. **Course Capacity (Upper limit of Participants)**

   8 participants

6. **Language**

   English

7. **Objective:**
   Participants will understand the theory and practice of photovoltaics and be able to apply them to their issues such as the installation, promotion, maintenance, and management of photovoltaic systems.

8. **Overall Goal**
   Photovoltaic generation will be adequately introduced, promoted, maintained and managed for the effective use of solar energy.

9. Output and Contents

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

Expected Output	Subjects/Agendas	Methodology
To be able to explain basics of PV generation technology	● Basics of PV System ● Fundamentals of Renewable Energy Technology ● Outline of photovoltaic generation technology ● Verification Test Results in Mega Solar Project ● Exercise of solar radiation & generation quantities calculation ● Exercise of PV System Designing ● Practice of PV system Installation ● Maintenance for PV Array & System ● Maintenance Technology of Lead Storage Battery ● Economic Evaluation for PV Generation ● Current Situation and Issues of PV Generation Systems in Developing Countries	Lecture Presentation and Exercise
To be able to explain grid system technology	● Basics of grid & grid connection ● Practice for understanding Power Grid ● Outlines of Japanese Grid-Interconnection Code ● Design for PV Storage System ● Example of Micro Grid projects ● Design of Micro-Grid ● Project of Smart Community	Lecture Virtual field visit and Exercise
To be able to explain policy and operation of renewable energy, especially photovoltaic generation	● Fundamentals of Renewable Energy Technology 2 ● Global trends in Solar PV Deployment and its Support Scheme ● Issue Identification by Analyzing SHS Problem ● Examples of PV system Introduction ● Policy for PV Generation Spread ● Conditions to Promote Photovoltaic Technologies and its Policy with a Case ● Four key points for sustainable solar PV systems ● Approaches to Renewable Energy by KEPCO	Lecture Virtual Field visit and Exercise

<Structure of the program>

Preliminary Phase (Activities when applying)

- All applicants are required to prepare "Job Report (ANNEX1) and "Issue of Analysis Sheet".

These documents are an essential part of the training and should be fill out in full following provided structures.

Core Phase (Online training)

Please refer to "9. Output and Contents" on page 4.

Final Phase (activities in your home country)

- Creating Action plans to carry out the tasks
- Dissemination activity
- Progress of Action Plan(s)
- Challenges for implementing Action Plan(s)

Participants are expected to develop and implement an action plan.

III. Eligibility and Procedures

1. Expectations from the Participating Organizations:

(1) This program is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Participating organizations are expected to use the project for those specific purposes.

(2) In this connection, applying organizations are expected to nominate the most qualified candidates to address the said issues or problems, carefully referring to the qualifications described in section III-2 below.

(3) Participating organizations are also expected to be prepared to make use of knowledge acquired by the nominees for the said purpose.

(4) This program is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the project 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) **Target Organization:**

Energy policy departments or the Power Authority of the central and local government in charge of introduction, promotion, maintenance and management of PV generation.

2) **Target personnel:**

<Position>

Applicants in charge of PV generation at the target organizations mentioned above.

<Experience>

Applicants are engaged in policy or promotion for PV generation for more than 2 year.

<Education Background>

Applicants must have a good command of PV generation engineering in general.

< Language>

Have a competent command of spoken and written English which is equal to TOEFL iBT 100 or more (This workshop includes active participation in discussions, which requires high competence of English ability. Please attach an official certificate for English ability such as TOEFL, TOEIC, etc., if possible).

< Health>

Must be in good health, both physically and mentally, to participate in the

Program.

< Basic Knowledge of Computer Skills>

Participants are required to prepare several documents in MS Word and MS PowerPoint. Therefore, it is essential to handle these computer soft wares to complete this training program activities.

3) **Remote** training implementation requirements:
   - Stable network environment
   - To be able to access to 2-**3GB** of data every day.
     * Please consider daily consumption under the same internet environment
   - Install Zoom https://zoom.us/download
   - To be able to attend a Zoom Meeting at a designated time.
   - Preparation of PC with camera and earphone with microphone
   - **Please refer to the following for PC specifications.**
     8 GB memory; 250 GB External Storage, Microsoft Office (Excel, Word, PowerPoint)

(2)Recommendable Qualifications

1) Experience
   Applicants are engaged in policy or promotion for PV generation for more than 3 years and must have general knowledge of engineering such as renewable energy technologies, grid and grid interconnection, chopper and inverter.
2) Expectations for the participants:
   Preferably, be in relation with past or on-going JICA projects targeting energy efficiency and conservation.

3) Age: be between the ages of thirty and fifty years old.

4) Gender Equality and Women's Empowerment:
Women are encouraged to apply for the program. JICA makes a commitment to promote gender equality and women's empowerment, providing equal opportunity for all applicants regardless of sexual orientation and gender identity.

3. Required Documents for Application

(1) Application Form:

The Application Form is available at the JICA office (or the Embassy of Japan).
*If you have any difficulties/disabilities, which require assistance, please specify necessary assistances in the Medical History of the application form. It may allow us (people concerned in this course) to prepare better logistics or alternatives.

(2) Job Report and Issue Analysis Sheet (IAS) (ANNEX I & II)

- To be submitted with application form. Job Report and IAS are necessary documents for screening of applicants.
- Each participant will be required to present IAS in approx. 10 minutes in an early stage of the course. Visual materials such as PowerPoint and pictures may be helpful for your presentation if you bring them.
- When you use PowerPoint, it is preferable to use letters more than 24-point and not to use pictures on the background.
- An applicant should submit an IAS with approval of his/her superior and an IAS without approval of an applicant's superior is not accepted.
- The purpose of an IAS is to logically organize relationships between challenges of an applicant's organization and contents of fields to be covered in a training course.

(3) Photocopy of passport

To be submitted with the application form, if you possess your passport which you will carry when entering Japan for this program. If not, you are requested to submit its photocopy as soon as you obtain it.
*Photocopy should include the followings:
Name, Date of birth, Nationality, Sex, Passport number and Expire date.

(4) Nominee's English Score Sheet

To be submitted with the application form, if you have any official documentation of English ability. (e.g., TOEFL, TOEIC, IELTS)

4. Procedure for Application and Selection

(1) Submission of the Application Documents

Closing date for applications: Friday, August 5, 2022

Please confirm the local deadline with the JICA overseas office in your country (or the Embassy of Japan).

*Deadlines mean that the required materials have arrived at JICA Kyushu Center through the overseas office.

(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 Monday, September 5, 2022

(4) Remote Training Environment Check (Zoom test Meeting)

After issuing notification, we will contact Participants to confirm the ZOOM environment, required equipment status and training location.
This is necessary to ensure that participants can participate in the online training. Be sure to participate in the Zoom test.

5. Conditions for Participation

(1) To strictly adhere to the program schedule.
(2) Not to change the program topics.
(3) Participants must understand the following data teaching materials handling and sign a pledge before starting distance training.

- ✓ Respect for copyright, protection,
- ✓ Sharing without permission on SNS,
- ✓ Unauthorized upload prohibition,
- ✓ Unauthorized modification,
- ✓ Prohibition of redistribution,
- ✓ Approval required for recording
- ✓ Prohibition of unauthorized citation

IV. Administrative Arrangements

1. Organizer (JICA Center in Japan)

Center: JICA Kyushu Center (JICA KYUSHU)

Program Officer: MS. OGAWA Yoko (kicttp@jica.go.jp)

2. Implementing Partner:

Name: Kitakyushu International Techno-cooperative Association

URL: http://www.kita.or.jp/english/

3. Information

*YouTube of “Knowledge Co-Creation Program and Life in Japan” and “Introduction of JICA Center” are viewable from the link below.

Part I: Knowledge Co-Creation Program and Life in Japan	
English ver.	https://www.youtube.com/watch?v=SLurfKugrEw
French ver.	https://www.youtube.com/watch?v=v2yU9lSYcTY
Spanish ver.	https://www.youtube.com/watch?v=m7l-WlQSDjI
Russian ver.	https://www.youtube.com/watch?v=P7_ujz37AQc
Arabic ver.	https://www.youtube.com/watch?v=1iBQqdpXQb4
Part II: Introduction of JICA Centers in Japan	
JICA Kyushu	https://www.jica.go.jp/kyushu/english/office/index.html

JICA Kyushu Main Entrance

V. Other Information

1. Report and Presentation

   (1) Job Report & Issue Analysis Sheet (IAS)

   Each applicant is required to submit his/her own Job Report & Issue Analysis Sheet following the instruction. Participants will have a presentation of his/her Job Report & Issue Analysis Sheet up to 10 minutes at the earlier stage of the training in order to share knowledge and background with other participants as well as instructors. Visual materials such as Power Point and pictures may be helpful for your presentation if you bring them with you.

   (2) Action Plan

   Participants are required to make an Action Plan at the end of the training to express your idea and plan that you carry out after your return, reflecting the knowledge and method you acquire in the training. Each person will have 10 minutes for presentation.

   In addition, participants are required to complete IAS by the end of the training and present it at the Action Plan Presentation.

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

3. Participants must understand the following **data teaching materials handling** and sign a pledge before starting distance training.
   - ✓Respect for copyright, protection,
   - ✓Sharing without permission on SNS,
   - ✓Unauthorized upload prohibition,
   - ✓Unauthorized modification,
   - ✓Prohibition of redistribution,
   - ✓Approval required for recording
   - ✓Prohibition of unauthorized citation

4. [Rules for attending online classes]

   In this course, Zoom is used for live online learning. In an online class, unexpected problems may occur, such as outsiders entering the room or leaking information on classes and participants to the outside.

   In order to prevent such troubles and not to infringe copyright or portrait rights, please follow the rules below.

   - ✓ The meeting ID and password should not be given to anyone.
   - ✓ Be sure to turn on the camera and show the participants the face.
   - ✓ When you enter the room, mute the microphone (mike off) to facilitate communication through the screen.
   - ✓ Let's use the reaction function with "applause" and "like" marks
   - ✓ Use the "chat" or "raised hand" marks to request a question.
   - ✓ Whether online or in real life, it is important to be considerate of others. Please be careful not to make those around you uncomfortable.

VI. ANNEX

I. Job Report
II. Issue Analysis Sheet
III. Issue Analysis Sheet (IAS) Guidelines
IV. Sample Training Schedule (for reference)

Annex I

Name of Training Course	**Renewable Energy in Grid -Mainly on Photovoltaic-(B) (202110074J001)**
Name of Applicant	
Email address	
Name of Country	

Job Report

Remarks 1: The Report should be **typewritten in English** (11-point font, A4 size paper) and total pages of the report should be limited to 4 pages (not including organization chart).

Remarks 2: Each one of you is required to have presentation of 10 minutes based on this Job Report at the early stage of training in order to share knowledge and background with other participants as well as instructors. Visual materials such as PowerPoint and pictures may be helpful for your presentation to bring with you.

Remarks 3: The following is an example of the contents of the Job Report;

1. Energy Situation in your country (up to 1 page)

- Primary energy consumption rate (circle graph)
- Energy self-sufficient rate
- Electric power consumption rate (circle graph)
- Electrification cover rate
- Gap between electric power supply & demand
- Electricity charges (for residence & Industry), Coke charge (for 350 ml can)
- Enactment & enforcement situation of renewable energy law and/or regulation

2. Organization and main tasks (up to 1 page)

(1) Main tasks of the organization
(2) Organization chart:
Please draw a chart of your organization including the department (section) names with the number of staffs in it and mark where you are positioned.
(The chart should be attached and not be counted in this page limit.) Please describe a duty of each department (section) briefly.
(3) Brief description of your assignments
(4) Problems in your job

3. Expectations for the training course (up to 1 page)

(1) Your purpose of participating in this course
(2) Subjects of the course which you are interested in the most
(3) How do you expect to apply skills and knowledge that you will gain through the module (refer to Annex III) to tackle problems in your home country?
(4) Other matters which you are expecting to obtain from the course

4. Have you ever learned the following subjects in your work? We want to know your

work experience. Please check either “Yes” or “No”. If your answer "Yes", please fill in "Years" column as to the length of your application on the respective items.

subjects	Yes	No	Years
1) Energy policy, law, or regulation			
2) Renewable energy without PV generation			
3) PV system promotional activities			
4) Installation of PV generation facilities			
5) Electrical power network system and/or micro-grid			
6) Others			

If you check 6) Others, please specify subject associated with solar power technology, not covered in items 1) to 5).

ANNEX II ***Issue Analysis Sheet (IAS)***

Country:
Name:

No	【A】Issue that you confront.	【B】Actions that you are taking to deal with the issue now.		
1				
	【Ⅰ】Task to solve the Issue.	【Ⅱ】 The information that I need to carry out the Task.		[Result]
		1-1		
		1-2		
		1-3		

- In the Job Report, you shall describe challenges you are facing in your section. But in the "column【A】" of this IAS, you are requested to describe only issues you expect to solve utilizing information and knowledge being delivered in this training course respectively
- **【Ⅰ】,【Ⅱ】,【Result】** : These columns will be filled during the training course.
- **[Result]**: If you have obtained / found useful information, please mark it with a circle. If not, mark x.

No	【A】Issue that you confront.	【B】Actions that you are taking to deal with the issue now.		
2				
	【Ⅰ】Task to solve the Issue.	【Ⅱ】 The information that I need to carry out the Task.		[Result]
		2-1		
		2-2		
		2-3		

ANNEX III

Issue Analysis Sheet (IAS) Guidelines

1. What is IAS?

(1) IAS is a tool to logically organize relationships between issues and contents of the training program.

(2) IAS will help the nominee to clarify his/her challenges to be covered in each expected module output and to formulate solutions to them.

(3) The sheet is to be utilized as a logical process control sheet to draw up improvement plans for the issues by filling out the sheet in phases from prior to the nominee's arrival through to the end of the training.

(4) In addition, it is used for the course leader and lecturers to understand the issues that each participant is confronting, and provide him/her with technical advice, useful references and solutions through the training program.

2. How to fill out IAS?

(1) Please describe the issues you confront in column" **A: Issue that you confront**".

(2) You shall describe challenges you are facing in your section also in the Job Report. Among them, in column A, please describe only those issues you expect to solve utilizing information and knowledge being delivered in this training course. Prepare the separate rows for each problem; if necessary, please add new rows.

(3) In column "**B: Actions that you are taking to deal with the issue now.**", please describe actions that you are taking to solve the issue shown in "**Column A**".

(4) This information is very important to carry out the training course and also to make Action Plan as a fruit of the training.

(5) It's not necessary to fill in column " **Ⅰ: Task to solve the Issue**", column "**Ⅱ: The information that I need to carry out the Task.**" and column **"Result**". These columns shall be filled out during the training.

(6) "**Column Ⅰ**" shall be clarified and filled out in the subject "**Confirmation of Task based on IAS**" implemented at the earlier time in the training.

(7) "**Column Ⅱ**" and "**Column Result**" shall be filled out during the training and you are required to present completed IAS in the subject "**Action Plan Presentation**". Ⅱ

ANNE IV **Sample Schedule (*Remote training* program)**

M	D	W	Japan Time 19:00～22:00
First Terms Oct	4	Tue	Course Orientation and How to modify the Job Report
	5	Wed	15:00-22:00 Training theme discussion
	6	Tue	Issue Identification by Analyzing SHS Problem 1
	7	Fri	Issue Identification by Analyzing SHS Problem 2
	8	Sat	Holiday
	9	Sun	Holiday
	10	Mon	Fundamentals of Renewable Energy Technology 1
	11	Tue	Fundamentals of Renewable Energy Technology 2
	12	Wed	15:00-22:00 Individual meeting for JR
	13	Tue	Current situation and issues of PV in Developing countries
	14	Fri	Key Points for Sustainable Solar PV Systems
	15	Sat	Holiday
	16	Sun	Holiday
	17	Mon	Outline of photovoltaic generation technology
	18	Tue	Basic of Grid and Grid interconnection
	19	Wed	Job Report Presentation
	20	Tue	Conditions to Promote Photovoltaic Technologies and its Policy 1
	21	Fri	Conditions to Promote Photovoltaic Technologies and its Policy 2
	22	Sat	Holiday
	23	Sun	Holiday
	24	Mon	Policy for PV Generation Spread in Japan
	25	Tue	Introduction of Mega-Sola Power Plant －Yoshinogari PV Generation Plant -
	26	Wed	Outlines of Japanese Grid-Interconnection Code
	27	Tue	Case Examples of Micro Grid Projects
	28	Fri	NAS Battery
	29	Sat	Holiday
	30	Sun	Holiday
	31	Mon	Review of Grid and Grid interconnection

Nov	1	Tue	Experiment for Understanding Renewable Integrated Power Grid
	2	Wed	Lithium-ion Battery
	3	Tue	Power Generation Cost
	4	Fri	Exercise Preparation for Solar Radiation & Power Generation Calculation
	5	Sat	Holiday
	6	Sun	Holiday
	7	Mon	Maintenance of Pb Acid Battery
	8	Tue	Capacity Calculation of Pb Acid Battery **(Exercise)**
	9	Wed	PV system testing and certification
	10	Tue	PV System Maintenance
	11	Fri	Demonstration of PV System Maintenance
midday break	12	Sat	
	13	Sun	
	14	Mon	
	15	Tue	
	16	Wed	
	17	Tue	
	18	Fri	
	19	Sat	
	20	Sun	
Second terms	21	Mon	Explanation of Solar Radiation & Power Generation Calculation
	22	Tue	Exercise of Solar Radiation & Power Generation Calculation **(PC)**
	23	Wed	Exercise of Solar Radiation & Power Generation
	24	Thu	Approaches to Renewable Energy by KEPCO
	25	Fri	Verification and Evaluation for Mega-Solar Power Plants
	26	Sat	Holiday
	27	Sun	Holiday
	28	Mon	PV System Designing
	29	Tue	Exercise of PV System Designing **(Exercise)**
	30	Wed	Design of independent-type solar PV system
Dec	1	Thu	Key Points for Sustainable Min-grid Solae PV Systems
	2	Fri	Review of Policy for PV Generation Spread in Japan
	3	Sat	Holiday
	4	Sun	Holiday
	5	Mon	Introduction of Economic Evaluation for PV Systems

	6	Tue	Economic Evaluation for PV Generation 1
	7	Wed	Economic Evaluation for PV Generation 2
	8	Thu	Manufacture of PV Measurement Instruments
	9	Fri	Introduction to All Electric Residence
	10	Sat	Holiday
	11	Sun	Holiday
	12	Mon	Exercise on Structural Optimization of Renewable Integrated Grid 1 22:00-23:00 Action Plan Guidance
	13	Tue	Exercise on Structural Optimization of Renewable Integrated Grid 2
	14	Wed	Introduction to Circuit Simulation
	15	Thu	Chopper and Inverter
	16	Fri	Chopper and Inverter
	17	Sat	Holiday
	18	Sun	Holiday
	19	Mon	Mass disposal of PV Array & System
	20	Tue	Introduction to PV System Installer
	21	Wed	Individual meeting for AP
	22	Thu	Review of PV Generation System
	23	Fri	Global trends in Solar PV Development its Support Scheme
	24	Sat	Holiday
	25	Sun	Holiday
	26	Mon	Overview of Japan’s Renewable Energy Policy Global trends in Solar PV Development its Support Scheme
	27	Tue	Evaluation Meeting Action Plan Presentation

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.

Contact Information for Inquiries

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

JICA Kyushu Center (JICA KYUSHU)

Address: 2-2-1 Hirano, Yahatahigashi-ku, Kitakyushu-shi, Fukuoka, 805-8505, Japan

TEL: +81-93-671-6311 FAX: +81-93-671-0979

kicttp@jica.go.jp