



【Online】

Knowledge Co-Creation Program (Group & Region Focus)

General information on

Promotion of Energy Efficiency and Conservation (B)
課題別研修「エネルギーの高効率利用と省エネの推進 (B)」
JFY 2021

Course No.: 202006485J001

Online Program Period: From June 7, 2021 to July 21, 2021

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

JICA Knowledge Co-Creation Program (KCCP)

The Japanese Cabinet released the Development Cooperation Charter in February 2015, which stated, *“In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field-oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn from each other and grow and develop together.”* JICA believes that this ‘Knowledge Co-Creation Program’ will serve as a foundation of mutual learning process.

I. Concept

Background

Energy Efficiency and conservations mean not making irrational use of energy to achieve a certain goal and improving efficiency in energy use through technical improvements. This contributes to a revitalization of the economy by reducing energy use, increasing energy efficiency throughout the economy and supplying the market with highly energy efficient products. In order to conserve the global environment, ensure a stable energy supply and increase income by reducing energy consumption, energy efficiency and conservations have become a common theme that must be promoted by all countries of the world.

Japan is a country where energy inputs depend on foreign sources, however, after the two oil shocks in the 70s, all sectors of society have been promoting energy efficiency. In this way, Japan has reached the best level of energy conservation in the world today. These insights offer suggestions on technical and institutional aspects for other countries facing challenges related to energy efficiency and conservation.

In this program, in order to promote energy conservation efforts in the international community, we will share the outline of energy conservation policies and technologies in Japan, and participants will consider applicable energy conservation policy proposals through making their own energy future forecasts.

For what?

This program aims to formulate appropriate policy proposal on promotion of energy efficiency and conservation to be implemented by agency/organization which participant belongs to.

For whom?

This program is offered to staff of department of energy policy of central government, local government organization and Public Service Corporation.

How?

Participants shall have opportunities to learn energy efficiency policies and technologies in commercial and industrial sectors through the lectures, practices and learn systematically approach cases at the national and local governmental level and practices of energy efficiency in the commercial, residential and Industrial through Online Program.

II. Description

1. Title (Course No.)

Promotion of Energy Efficiency and Conservation (B) (202006485J001)

2. Online Program Period

June 7 to July 21, 2021

Live online programs are scheduled on most of weekdays during the period.

- 8:00 to 10:00 a.m. JST(GMT+9) for Brazil, Honduras, Saint Vincent and the Grenadines, Tuvalu
- from 5:00 to 7:00 p.m. JST(GMT+9) for Albania, Cote d'Ivoire, Montenegro, Nigeria, Philippines

3. Target Regions or Countries

Albania, Brazil, Cote d'Ivoire, Honduras, Montenegro, Nigeria, Philippines, Saint Vincent and the Grenadines, Tuvalu,

4. Eligible / Target Organization

This program is designed for department of energy policy of central government, local government organization and Public Service Corporation.

5. Capacity (Upper Limit of Participants)

10 participants

6. Language

English

7. Objective

To understand LMDI (Logarithmic Mean Divisia Index) analysis methods and consider policy proposal on appropriate promotion of energy efficiency and conservation, to be implemented by agency/organization which participant belongs to.

8. Overall Goal

Policy Proposal will be adopted in participants' respective countries, thus contribute to build pro-environmental society.

9. Output and Contents

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

(1) Preliminary Phase (Before starting Online Program)	
Job / Country Report	<ul style="list-style-type: none"> - Formulation and submission of Job / Country Report - Preparation of Presentation materials

(2) Online Program (January 18 th to February 24 th , 2021)		
Expected Output	Subjects/Agendas	Methodology 【Online】
1) To make the job/country report and presentation about energy circumstances and the Energy conservation policy of the own country to clarify own issues and to determine tasks to solve them.	Through making and presenting job/country reports, participants understand current energy situation as well as status of introduction of energy efficiency related policy and promotion activities in their countries.	Presentation and Discussions
2) To understand energy conservation goals in international community and situation of energy in the world.	Video lectures includes following topics: - World energy situation and Energy conservation goal. - History and structure of energy efficiency promotion in Japan, energy efficiency related policy, law and regulation, energy efficiency in commercial and industrial sector, ESCO business, energy diagnosis and management, basic of policy planning.	Live Lectures Video Lectures and Discussions
3) To understand energy policy, regulations, energy conservation method and energy efficiency promotion of Japan, compare to the energy efficiency introducing situation of the own country and determine the possibility of the application of them.	- Energy efficiency promoted factories, offices, etc. to have better understanding of current practice in Japan.	

<p>4) To understand LMDI (Logarithmic Mean Divisia Index) analysis methods and consider Policy Proposal for the own organization, including utilization of knowledge and technologies learnt.</p>	<p>At the end of this program, Participants learn LMDI analysis methods and consider Policy Proposal that are feasible to implement at their organization to promote energy efficiency and conservation.</p>	<p>Live Lectures Video Lectures Exercise and Presentation</p>
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<Structure of the Program>

Topic outline (subject to minor changes)

1st week (June 7 to 11)

- (1) Program Orientation LIVE
- (2) Presentation of Job/Country Report from each Participant LIVE
- (3) Video Lectures (self-learning by distributed videos)
 - International Energy Conservation Goals
 - Situation of Energy in the World

2nd week to 4th week (June 14 to 30)

- (1) Live Lecture LIVE
 - Energy Balance
- (2) Video Lectures (self-learning by distributed videos)
 - Concept of Environmental Policy Matrix
 - Energy Statistics of Japan
 - Overview and Operation on the Energy Conservation Act of Japan
 - Energy Conservation Measures in Transport Sector in Japan
 - Energy Conservation Measures in Commercial Sector (Buildings & Housings) in Japan
 - Energy Efficiency & Conservation Promotion Activities in Japan
 - ESCO Business in Japan
 - Area-wide Utilization of Energy in Japan
 - Energy Conservation Policy of Local Governments in Japan
 - Household Energy-Saving Diagnosis
- (3) Wrap-up Meeting (discussions among participants) LIVE
- (4) Follow-up Lectures (discussions and Q&A with lecturers) LIVE

4th and 6th week (July 1 to 16)

- (1) Exercise of Policy Making Methodology and Discussions LIVE
 - Energy Balance
 - LMDI analysis
 - Policy Matrix
- (2) Live Lectures LIVE
 - Energy Conservation Technology in Japan (including Heat pump etc.)
- (3) Wrap-up Meeting (discussions among participants) LIVE
- (4) Follow-up Lectures (individual discussions and Q&A with lecturers) LIVE

7th week (July 19 to 21)

- (1) Exercise (self-learning)
 - LMDI Analysis
 - Policy Matrix
- (2) Presentation of Final Report from each Participant LIVE

III. 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 expected to use the program 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) Applying 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 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 administrative officials in charge of policy or promotion for energy efficiency and conservation at central government, local government organization and Public Service Corporation, preferably related to demand side and Transport sector.
- 2) Experience in the Relevant Field: have more than one (1) year experience in the above mentioned field.
- 3) Language Proficiency: have a competent command of spoken and written English proficiency. (This workshop includes active participation in discussions, which requires high competence in English. Please attach an official certificate for English ability such as TOEFL, IELTS etc, if possible)
- 4) Availability: attend all the programs including live online programs

(2) Recommended Qualifications

- 1) Educational Background: be Bachelor's or Master's degree holders
- 2) Computer skills: good skills on Excel for LMDI analysis
- 3) Age: between the ages of twenty-five (25) and fifty (50) years
- 4) Gender Consideration: JICA promotes gender equality. Women are encouraged to apply for the program.

(3) Specific Qualifications for Online program participation

- 1) Have a device such as laptop PC that meets the conditions of the attached

"Required Specification of Devices for Online Program in KCCP".

- 2) Have access to stable internet connection (5Mbps speed)
- 3) Have PC operation skills (including application software operations such as Microsoft Office and Teams, ZOOM) required to participate in this Online Program.
- 4) Have availability for participation in all Online Program shown in the above Tentative Program.

If there are any concerns on IT environment, please contact to JICA overseas offices. (However, please be noted that JICA overseas offices may not able to offer sufficient support.)

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/ID: You should submit it with the application form if you possess your passport. If not, you are requested to submit the photocopy of other identifications (e.g., National Identity card).

*The following information should be included in the photocopy:

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

(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) Job/Country Report: to be submitted with the application form. Fill in Annex of this General Information.

***Applicants are strongly required to typewrite the Application Form and Job/County Report. There are many applicants disqualified from the selection because of the illegible handwriting in the Application Form.**

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 May 13, 2021**)

(2) Selection

Primary screening is conducted at the JICA overseas office (or the embassy of

Japan) after receiving official documents from your government. JICA Center will consult with concerned organizations in Japan in the process of final selection. Applying organizations with the best intentions to utilize the opportunity will be highly valued.

The Government of Japan will examine applicants who belong to the military or other military-related organizations and/or who are enlisted in the military, taking into consideration of their duties, positions in the organization and other relevant information in a comprehensive manner to be consistent with the Development Cooperation Charter of Japan.

(3) Notice of Acceptance

The JICA overseas office (or the Embassy of Japan) will notify the results **not later than May 20, 2021.**

5. Additional Document to Be Submitted by Accepted Candidates

Job/Country Report -- to be submitted by May 31, 2021

Accepted candidates are required to prepare a Job/Country Report made in Microsoft PowerPoint (Please read Annex for detailed information). The Job/Country Report should be sent to JICA by May 31, 2021, preferably by e-mail to JICA Chugoku Center, cicctp@jica.go.jp

6. Conditions for Participation

The participants of KCCP are required

- (1)** to strictly observe the program schedule,
- (2)** not to change the program topics,
- (3)** 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 program,
- (4)** to observe the rules and regulations of the program implementing partners to provide the program or establishments,
- (5)** to comply with the use conditions of copyrighted works by each copyright holder, when using texts and other materials distributed for KCCP. Especially, participants are strictly prohibited to record online lessons or use provided contents during the program without lecturers' permissions.

IV. Administrative Arrangements

1. Organizer (JICA Center in Japan)

(1) Center: JICA Chugoku Center (JICA CHUGOKU)

*"Chugoku" is the name of the region consisting of five (5) prefectures in western part of Japan's main island. JICA Chugoku is in charge of implementing JICA's projects/programs in the region.

(2) Program Officer: Ms. IKEDA Ami (cictp@jica.go.jp)

2. Implementing Partner

(1) Name: Hiroshima International Center (HIC)

(2) URL: <http://hiroshima-hip.or.jp/en/>

(3) Remark: HIC is a public interest incorporated foundation set by Hiroshima Prefecture and the implementing organization of this program. Hiroshima International Plaza (HIP) is a complex facility housing both the HIC and JICA Chugoku Center.

V. Annex: Job/Country Report

Accepted candidates are required to prepare a Job/Country Report on the following issues and submit it to JICA by **May 13, 2021**. The report should be made in Microsoft Word or PowerPoint, typewritten in English

1. Applicant's personal data

Name			Country	
Contact		TEL:	FAX:	
		E-MAIL:		
Name of the university you graduated from				
University speciality				
Organization	Name of your organization			
	Function			
	Number of employees			
Department	Name of your department			
	Function			
	Number of employees			
Your own position				

Organization chart	Attach the organization chart in annex			
Career (Work experience after finishing university or graduate studies)	Year (from)	Year (to)	Position	Organization
Computer skills (MS Word, Excel and PowerPoint)	Mark the corresponding line			
	MS Word	<input type="checkbox"/> excellent	<input type="checkbox"/> good	<input type="checkbox"/> fair <input type="checkbox"/> poor
	Excel	<input type="checkbox"/> excellent	<input type="checkbox"/> good	<input type="checkbox"/> fair <input type="checkbox"/> poor
	PowerPoint	<input type="checkbox"/> excellent	<input type="checkbox"/> good	<input type="checkbox"/> fair <input type="checkbox"/> poor

2. Reasons to join this program.

(1) Describe the reasons why you join this program.
(2) Describe what you want to learn in this training program.

3. Information on Public Policies for energy efficiency and conservation and Their Current Conditions in your countries (sources must be specified when statistical information is used)

(1) Consumption and composition of energy

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(2) Bills and Regulations related to energy efficiency and conservation

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(3) Conditions and challenges for the application of the bills and regulations described in (2)

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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 Chugoku Center (JICA CHUGOKU)