



Knowledge Co-Creation Program (Group & Region Focus)

GENERAL INFORMATION ON

CONTROL OF AIR POLLUTION FROM MOTOR VEHICLES
課題別研修「自動車大気汚染対策」

JFY 2018

NO. J18-04288 / ID. 1884834

Course Period in Japan: From August 21st to September 29th, 2018

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 (KCC) Program' as a New Start

In the Development Cooperation Charter which was released from the Japanese Cabinet in February 2015, it is clearly pointed out 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 center of mutual learning process.

I. Concept

Background

Rapid motorization in recent years has caused a lot of social problems such as traffic congestion, traffic accidents, environmental and human health problems. In numerous cities across the world, pollution from automobiles has increasingly become a pressing concern as a cause of air pollution. In fact, automobiles are one of the single greatest polluters, as emissions from millions of automobiles on the road add up. Driving a car is probably a typical citizen's most "polluting" activity in daily life.

Polluting activities from automobiles are attributed by various factors. In addition to inadequate and poor measures that apply directly to automobiles, issues relating to fuels, roadway infrastructure and traffic management are also closely involved, meaning that automobile pollution countermeasures will require coordination not only through public environmental agencies, but across a wide range of stakeholders in such sectors as industry, transport, road-building and energy. The solutions will have to be worked out in accordance with local conditions and the use of appropriate mechanisms.

For what?

The objective of this program is for the participants from each country to formulate a concrete action plan for the development of appropriate and effective policies and administration on automobile pollution countermeasures within the national or local agencies where they work. Effective implementation of action plans in the participants' countries will be the ultimate goal.

In addition, the Sustainable Development Goals (SDGs), set by the United Nations, includes two targets related to air pollution, Target 3.9 and Target 11.6 as followings;

Target 3.9: By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination

Target 11.6: By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management.

This program is designed to contribute to achievement of these targets of the SDGs.

For whom?

This program is designed for the administrative or engineering official involved in policy making and administration of environmental or urban traffic issues related to air pollution from automobile

How?

Participants will obtain new knowledge and ideas of automobile pollution issues

through lecturers and observations in Japan. Based on knowledge and skills acquired during the program, participants will prepare action plans describing what the participants will do after they go back to home country with the knowledge and ideas acquired in Japan.

II. Description

1. Title (J-No.):

Control of Air Pollution from Motor Vehicles (J18-04288)

2. Course Period in JAPAN

August 21st to September 29th, 2018 (6 weeks)

3. Target Regions or Countries

Algeria, Bosnia and Herzegovina, Brazil, China, Egypt, Fiji, India, Iran, Iraq, Mauritius, Mexico, Philippines, Sri Lanka, Thailand

4. Eligible / Target Organization and Participants

(1) Target Organizations :

This program is designed for organization (central/local government or municipality) in charge of automobile pollution countermeasures in road traffic environment management.

(2) Target Participants:

Target participants for this program are administrative or engineering official involved in planning environmental or urban traffic administration for automobile pollution countermeasures. As for some essential qualifications for nominees, please see section III-2.

5. Course Capacity (Upper limit of Participants)

14 participants

6. Language to be used in this program

English or Japanese with English interpretation

7. Course Objective:

To develop a concrete action plan for automobile pollution countermeasures in each of participating organizations.

8. Overall Goal

The capacity to prepare plans for automobile pollution countermeasures will be improved in the participating organizations.

9. Expected Module Output and Contents:

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

Expected Module Output	Subjects/Agendas	Methodology
<p><1> Understand about outlines of automobile pollution countermeasures through case studies in City of Osaka (countermeasures, methodologies, relationship with citizens).</p>	<ul style="list-style-type: none"> ● Legal system <ul style="list-style-type: none"> - Laws and municipal bylaws in City of Osaka ● History of countermeasures <ul style="list-style-type: none"> - History of countermeasures in Japan and City of Osaka - Case studies on automobile pollution suit, etc. ● Current countermeasures and its planning <ul style="list-style-type: none"> - Current status and planning countermeasures in City of Osaka 	<p>lectures/ observations/ discussions</p>
<p><2> Understand methods of emission management as the basis of preparing automobile pollution countermeasures.</p>	<ul style="list-style-type: none"> ● Monitoring and measurement system <ul style="list-style-type: none"> - Environment monitoring stations and measurement techniques, etc. - Passive sampling method (NOx) - Characteristics of particulate matter (PM2.5, etc.) - Health effects from automobile emissions ● Inspection system <ul style="list-style-type: none"> - Automobile inspection and travel mode test, etc. ● Exhaust emission regulation <ul style="list-style-type: none"> - Technology for diesel vehicles, etc. ● Prediction and evaluation method <ul style="list-style-type: none"> - Analysis of continuous monitoring data, estimation of emissions from mobile source, simulation model for air pollution, etc. - Evaluation method on environment impact assessment 	<p>lectures/ practices/ observations/ discussions</p>
<p><3> Understand the planning principle for introduction and dissemination of sustainable transport system.</p>	<ul style="list-style-type: none"> ● Urban traffic system <ul style="list-style-type: none"> - Transport and environmental issues in urban area, traffic control measures, travel demand management (TDM) and mobility management (MM), etc. ● Traffic congestion countermeasure <ul style="list-style-type: none"> - Traffic control system and public transport priority system, etc. ● Public awareness to citizens, etc. <ul style="list-style-type: none"> - Incentive for customers, environmental measures in logistic and co-benefit approach to climate change, etc. 	<p>lectures/ practices/ observations/ discussions</p>

<4> Prepare a draft action plan for countermeasures against automobile pollution.	● Preparation and presentation of Action Plan	lectures/ discussions
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Required Tasks:

Participants are required to participate in all modules actively and contribute to achieve the goals of this program. In addition, they are requested to complete the following tasks during the program.

1) Job Report: Introduction and raising the issues in your country. Submit it with your application form. Participants are required to make presentation about this report at the beginning of program in Japan. As for the details, please see the ANNEX 1.

2) Action Plan: Participants are required to prepare and present their Action plan at the end of the program.

After going back to each country, participants are recommended to revise the Action Plan through consultation in their own organizations and implement it by their own responsibilities.

10. Schedule

Schedule below is the one conducted in July to September, 2017. This is only for your reference since schedule for August, 2018 is still under preparation.

Date		Module	Type ¹	Subject	
7/23	Sun			Arrival in Japan	
7/24	Mon	13:00-15:00	L	Briefing JICA Program Orientation	
		16:00-17:30	L	Japanese Language Class	
7/25	Tue	<u>8:00</u>		<u>Assemble at JICA Lobby / Meet ISHIBASHI</u>	
		10:00-11:00	L	Explanation on Overview of Osaka City	
		11:00-16:30	L	Opening Ceremony/JICA-GEC Network GEC Course Orientation	
		16:30		Purchase working uniform and safety shoes	
7/26	Wed	10:00-17:30	L	General Orientation	
7/27	Thu	9:15-13:45	O	Exchange with Citizens/Field Visit to Senior High School	
		15:30-17:00	L	Japanese Language Class	
7/28	Fri	<u>8:00</u>		<u>Assemble at JICA Lobby/Meet ISHIBASHI</u>	
		10:00-12:30	P	Job Report Presentation	
		13:30-16:30			
		17:30		Welcome Party	
7/29	Sat	10:00-12:30	P	Japanese Language Class (Hands on Experience)	
		<u>13:30</u>		<u>Assemble at JICA Lobby / Meet ISHIBASHI / Move to Hotel</u>	
7/30	Sun				
7/31	Mon	10:00-12:00	IV	L	Action Plan Guidance
		13:00-16:30			
8/1	Tue	10:00-12:30	I	L	History of Air Pollution Countermeasures in Osaka City & Japan (1)
		13:30-16:30	II	L	Physicochemical Characteristics of Atmospheric Suspended Particulate Matter
8/2	Wed	10:00-13:00	I	L	History of Air Pollution Countermeasures in Osaka City & Japan (2)
		14:30-17:00	I	L	Economic Development and Environmental Issues
8/3	Thu	10:00-12:30	II	L	General Review of Air Quality Standards, Toxicities of Air Pollutions and Vehicle Exhaust Gasses in Japan
		13:30-16:30			
8/4	Fri	10:00-12:30	I	L	Automobile Related Law and Regulation
		13:30-16:30	I	L	Overview on Automobile Pollution Countermeasures in Osaka City

¹ L: Lecture, O: Observation, P: Practice

8/5	Sat				
8/6	Sun				
8/7	Mon	10:00-12:30	II	L	Principles and Structure of Air Pollution Monitoring Equipment
		13:30-15:00		O	
8/8	Tue	10:00-12:30	II	L	Simple and Passive Sample-Measurement Method of Ambient Air
		13:30-16:00		P	
8/9	Wed	10:00-12:00	II	O	Observation: Motor Vehicle Inspection System (Renewal Inspection)
		14:00-16:30	II	O	Observation: Car Maintenance Shop/Automobile Mechanic Training System
8/10	Thu				Move to Hiroshima
		12:45-16:45	II	O	Automobile Manufacture Environmental Technology: Clean Diesel Vehicle
8/11	Fri			O	Visit: Hiroshima Peace Memorial Museum
					Move back to Osaka
8/12	Sat				
8/13	Sun				
8/14	Mon	10:00-12:30	IV	L	Mid Term Review Session
		13:30-16:30	III	L	Driver Education (Promotion of Eco-Driving)
8/15	Tue	10:00-12:30	III	L	Case Study: NAMA in Transportation/JCM
		13:30-16:30		L	TBA
8/16	Wed				<u>Bring Your Laptop</u>
		10:00-12:30	II	P	Analysis of Meteorological Data and Forecast
		13:30-16:30			
8/17	Thu	10:00-12:30	II	L	Overview of Atmospheric Monitoring System in Osaka
		14:30-16:00	II	O	Observation: Atmospheric Monitoring System (Maintenance and Management of Monitoring Equipment)
8/18	Fri	10:00-12:00	III	O	Redistribution of Road Space (Walkway Widening/Promotion of Bicycle)
		13:30			Kyoto City Tour (Kiyomizu Temple)
8/19	Sat				
8/20	Sun				
8/21	Mon				Move to Tokyo
		14:00-16:30	II	L	Retrofit DPF Technology
8/22	Tue				<u>Bring Your Laptop</u>
		9:30-11:30	II	P	Statistical Analysis of Continuous Monitoring Data
		14:00-17:00	II	L	Heavy Vehicle Emission Reduction Technology
8/23	Wed	9:30-12:00	II	O	Driving Mode Test (including DPF and Countermeasures against Pollutants from Diesel Vehicles)
		14:00-16:30	II	L	Calculation of Emission from Mobile Source (1)

8/24	Thu				<u>Bring Your Laptop</u>
		10:00-12:30	II	L	Calculation of Emission from Mobile Source (2)
		13:30-16:30	II	P	Calculation of Emission from Mobile Source (Practice)
8/25	Fri	10:00-12:30	II	L	Outline of Simulation Model for Air Pollution Control
		14:00-16:30	II	P	Outline of Simulation Model for Air Pollution Control (Practice)
8/26	Sat	Sightseeing Tour (Royal Palace, Asakusa, Tokyo Tower)			
		Move Back to Osaka			
8/27	Sun				
8/28	Mon	10:00-12:30	IV	P	Mid Term Action Plan Guidance
		13:30-16:30	II	L	Overview on EIA(Environmental Impact Assessment) at Osaka City
8/29	Tue	10:00-12:30	III	L	Actual Practice of EIA
		13:30-16:30			
8/30	Wed	10:00-12:30	III	L	Urban Traffic and Environment
		13:30-16:30			
8/31	Thu	10:00-14:00	III	L	Traffic Control System Technology: Site Visit
		15:30-16:30	III	O	Traffic Control Center
9/1	Fri	10:00-12:30	IV	L	Final Action Plan Guidance
		13:30-16:30		P	
9/2	Sat	Submission of Questionnaire by 9:00 am			
9/3	Sun				
9/4	Mon	10:00-12:30	I	L	Automobile Pollution Related Victim and Campaign Against Pollution -Amagasaki Air Pollution Suit-
		13:30-16:00	I	L	TBA (Results of Campaign, Legal Case Study)
9/5	Tue	10:00-12:30	I	L	Case study: Countermeasures against Air Pollution at Route 43(Anti-vibration, Noise Barrier and NOx Reduction System)
		13:30-16:00	I	O	
9/6	Wed	10:00-12:30	III	L	TDM (Transportation Demand Management), Limitation of Ownership, Use and Access
		13:30-16:30	III	L	Comprehensive Urban Traffic Planning - Actual Practice
9/7	Thu	10:00-12:30	IV	P	Action Plan Presentation
		13:30-17:00			Action Plan Presentation/Technical Evaluation Meeting
9/8	Fri	10:30-12:00			Evaluation Meeting / Closing Ceremony
		12:00-13:00			Farewell Party
9/9	Sat				Departure

Follow-up Cooperation by JICA:

In this program, JICA might extend follow-up support to participating organizations that intend to develop the result of the program further. Please note that the support shall be extended selectively based on the proposals including the progress of Action Plan.

III. Conditions and Procedures for Application

1. Expectations for 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 utilize the program for those specific purposes.
- (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.
- (3) In this connection, applying organizations are expected to nominate the most qualified candidates to address the issues, carefully referring to the qualifications described in section III -2 below.

2. Nominee Qualifications:

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

(1) Essential Qualifications

- 1) **Current Duties:** Be engaged in planning environmental or urban traffic policies/ administration for automobile pollutions.
- 2) **Experience in the relevant field:**
At least 3 years of relevant experience in research, monitoring or planning environmental or urban traffic policies/ administration for automobile pollution.
- 3) **Educational Background:**
Applicants should be university graduates or equivalent in Environment Science, Urban Transportation or Urban Planning.
- 4) **Language:** have a competent command of English which is equal to TOEFL iBT 80 or more (This program includes active participation in discussions, which requires HIGH competence of English ability. Please attach a copy of official certificate for English ability such as TOEFL, TOEIC. etc., if possible.)
- 5) **Health:** must be in good health, both physically and mentally, to participate in the program in Japan. Pregnant applicants are not recommended to apply due to the potential risk of health and life issues of mother and fetus.

(2) Recommendable Qualifications

Applicants are recommended to be under 45 years old.

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: 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 Expiry 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) Job Report:

Each participant is required to submit a Job Report including Questionnaire together with Application Form. Job Report will be used for screening of applicants, and applications without completed Job Report will not be considered as duly qualified. As for the detail, please see ANNEX 1 and ANNEX 2.

4. Procedures 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 **July 11th, 2018**)

(2) Selection:

After receiving the documents through proper channels from your government, the JICA office (or the embassy of Japan) will conduct screenings, and then forward the documents to the JICA Center in Japan. Selection will be made by the JICA Center in consultation with concerned organizations in Japan. The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection. Qualifications of applicants who belong to the military or other military-related organizations and/or who are enlisted in the military will be examined by the Government of Japan on a case-by-case basis, consistent with the Development Cooperation Charter of Japan, taking into consideration their duties, positions in the organization, and other relevant information in a comprehensive manner.

(3) Notice of Acceptance:

Notification of results will be made by the JICA office (or the Embassy of Japan) **not later than July 20, 2018.**

5. Conditions for Attendance:

(1) to strictly adhere to the program schedule.

- (2)** not to change the program purpose.
- (3)** not to extend the period of stay in Japan.
- (4)** not to be accompanied by family members during the program.
- (5)** to return to home countries at the end of the program in accordance with the travel schedule designated by JICA.
- (6)** to refrain from engaging in any political activities, or any form of employment for profit or gain.
- (7)** to observe Japanese laws and ordinances. If there is any violation of said laws and ordinances, participants may be required to return part or all of the program expenditure depending on the severity of said violation.
- (8)** to observe the rules and regulations of the accommodation and not to change the accommodation designated by JICA.

IV. Administrative Arrangements

1. Organizer:

(1) **Name:** JICA Kansai

(2) **Contact:** Mr. Daichi BAN (Ban.Daichi@jica.go.jp/ jicaksic-unit@jica.go.jp)

2. Implementing Partner:

(1) **Name:** Global Environment Centre Foundation

(2) **URL:** <http://gec.jp/>

3. Travel to Japan:

(1) **Air Ticket:** The cost of a round-trip ticket between an international airport designated by JICA and Japan will be borne by JICA.

(2) **Travel Insurance:** Coverage is from time of arrival up to departure in Japan. Thus, traveling time outside Japan will not be covered.

4. Accommodation in Japan:

JICA will arrange the following accommodations for the participants in Japan:

JICA Kansai International Center (JICA Kansai)

Address: 1-5-2, Wakino-hama-kaigandori, Chuo-ku, Kobe, Hyogo 651-0073, Japan

TEL: 81-78-261-0386 FAX: 81-78-261-0465

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

If there is no vacancy at JICA Kansai, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of JICA Kansai at its URL,

<https://www.jica.go.jp/kansai/english/office/index.html>

5. Expenses:

The following expenses will be provided for the participants by JICA:

(1) Allowances for accommodation, meals, living expenses, outfit, and shipping,

(2) Expenses for study tours (basically in the form of train tickets),

(3) Free medical care for participants who become ill after arriving in Japan (costs related to pre-existing illness, pregnancy, and dental treatment are not included), and

(4) Expenses for program implementation, including materials.

For more details, please see "III. ALLOWANCES" of the brochure for participants titled "KENSU-IN GUIDE BOOK," which will be given before departure for Japan.

6. Pre-departure Orientation:

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

V. Other Information

1. Participants who have successfully completed the program will be awarded a certificate by JICA.
2. For the promotion of mutual friendship, JICA Kansai encourages international exchange between JICA participants and local communities, including school and university students as a part of development education program. JICA participants are expected to contribute by attending such activities and will possibly be asked to make presentations on the society, economy and culture of their home country.
3. Participants are highly recommended to bring laptop computers for your convenience. During the program, participants are required to work on the computers, including preparation of Action Plans, etc. Most of the accommodations have internet access. Also, there is a computer room in JICA Kansai where 6 desk-top computers are available with internet access.
4. Allowances, such as for accommodation, living, clothing, and shipping, will be deposited to your temporary bank account (opened by JICA) 2 to 5 days after your arrival in Japan. It is highly advised to bring some cash in order to cover necessary expense for this period.
5. It is very important that some of your currency must be exchanged to Japanese Yen at any transit airport or Kansai International Airport (KIX) in Osaka, Japan soon after your arrival. It is quite difficult to exchange money after that, due to limited availability of facility or time during the program.
6. Participants are requested to bring athletic shoes and a backpack (or small suitcase). Athletic shoes are necessary for field visit and a backpack (or small suitcase) is necessary when you make a short trip to other cities. (so that you don't need to carry everything)

ANNEX 1:

Required Task

Participants are requested to

- submit **Job Report** prepared in Microsoft® Word format (A4 size paper in single spacing at a maximum of 5 pages). All applicants are required to submit this with application form before **July 11th, 2018**.

- bring your **Job Report Presentation** covering necessary contents of Job Report in CD/ DVD/ USB Flash.

Notes:

Participants are expected to give presentations (**10-15 minutes** for each) at the beginning of program. It is advised to prepare presentation visually with pictures and graphs as much as possible to explain your country's environmental situations clearly. **It is strongly recommended to use Microsoft® Power Point slides in presentation.**

Necessary contents of Job Report

(1) Current situation in your country

Briefly describe the current situation in your country with data of geography, population, and auto fleet, etc. in your country or your target region/area.

(2) Outline of environmental administration

Briefly describe your organization and institution, **the important legal and administrative framework** including environmental laws, vehicle unit regulations, environmental standards, monitoring system and countermeasures against the environmental pollution, especially for the automobile pollution, etc. in your country.

(3) Environmental problems concerning the automobile pollution

State and describe your environmental problems in detail with **the facts and figures**.

(4) Challenges and Expectation

a. Specific development issues / constraints that you or your organization faces in the area of air pollution caused by automobile.

b. Your specific expectation to this program, in the context of the challenges mentioned in the previous step.

(5) Questionnaire

Based on the report in (2) and (3), fill **ANNEX 2** to explain your current situation clearly and concisely with the facts and figures. Please attach the questionnaire with your Job Report.

ANNEX 2:

Questionnaire

* 1 = Under Implementation; 2 =Under Planning; 3 = Topic of interest (no action); 4 = Not on agenda; 5 = Not sure

	Item	Home-country situation*	Planning implemented or under way (specific cases)	Applicable laws, regulations, systems (continuity mechanisms)	Obstacles to implementation, problem areas in current situation
1	Air pollution and weather monitoring	1. 2. 3. 4. 5.			
2	Environment monitoring systems	1. 2. 3. 4. 5.			
3	Air pollution measurement and analysis (automobile-related)	1. 2. 3. 4. 5.			
4	Atmospheric simulation	1. 2. 3. 4. 5.			

* 1 = Under Implementation; 2 =Under Planning; 3 = Topic of interest (no action); 4 = Not on agenda; 5 = Not sure

	Item	Home-country situation*	Planning implemented or under way (specific cases)	Applicable laws, regulations, systems (continuity mechanisms)	Obstacles to implementation, problem areas in current situation
5	Emissions standards (exhaust gas)	1. 2. 3. 4. 5.			
6	Emissions purification technology	1. 2. 3. 4. 5.			
7	Emissions measurement technology	1. 2. 3. 4. 5.			
8	Environmental impact assessment	1. 2. 3. 4. 5.			

* 1 = Under Implementation; 2 =Under Planning; 3 = Topic of interest (no action); 4 = Not on agenda; 5 = Not sure

	Item	Home-country situation*	Planning implemented or under way (specific cases)	Applicable laws, regulations, systems (continuity mechanisms)	Obstacles to implementation, problem areas in current situation
9	Assessing air pollution impact on human health	1. 2. 3. 4. 5.			
10	Traffic surveys (census)	1. 2. 3. 4. 5.			
11	Traffic control systems	1. 2. 3. 4. 5.			
12	Transportation demand management	1. 2. 3. 4. 5.			
13	Public education and environmental awareness	1. 2. 3. 4. 5.			

* 1 = Under Implementation; 2 =Under Planning; 3 = Topic of interest (no action); 4 = Not on agenda; 5 = Not sure

	Item	Home-country situation*	Planning implemented or under way (specific cases)	Applicable laws, regulations, systems (continuity mechanisms)	Obstacles to implementation, problem areas in current situation
14	Economic Measures 1) taxation	1. 2. 3. 4. 5.			
15	Economic Measures 2) subsidy	1. 2. 3. 4. 5.			
16	Economic Measures 3) others	1. 2. 3. 4. 5.			

For Your Reference

JICA and Capacity Development

The key concept underpinning JICA operations since its establishment in 1974 has been the conviction that “capacity development” is central to the socioeconomic development of any country, regardless of the specific operational scheme one may be undertaking, i.e. expert assignments, development projects, development study projects, Knowledge Co-Creation programs (until 2015, so called “training”), JOCV programs, etc.

Within this wide range of programs, Knowledge Co-Creation Programs have long occupied an important place in JICA operations. Conducted in Japan, they provide partner countries with opportunities to acquire practical knowledge accumulated in Japanese society. Participants dispatched by partner countries might find useful knowledge and re-create their own knowledge for enhancement of their own capacity or that of the organization and society to which they belong.

About 460 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 are being customized to address the specific needs of different target organizations, 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 was the first non-Western country to successfully modernize its society and industrialize its economy. At the core of this process, which started more than 140 years ago, was the “*adopt and adapt*” concept by which a wide range of appropriate skills and knowledge have been imported from developed countries; these skills and knowledge have been adapted and/or improved using local skills, knowledge and initiatives. They finally became internalized in Japanese society to suit its local needs and conditions.

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 this “*adoption and adaptation*” process, which, of course, has been accompanied by countless failures and errors behind the success stories. We presume that such experiences, both successful and unsuccessful, will be useful to our partners who are trying to address the challenges currently faced by developing countries.

However, it is rather challenging to share with our partners this whole body of Japan’s developmental experience. This difficulty has to do, in part, with the challenge of explaining a body of “tacit knowledge,” a type of knowledge that cannot fully be expressed in words or numbers. Adding to this difficulty are the social and cultural systems of Japan that vastly differ from those of other Western industrialized countries, and hence still remain unfamiliar to many partner countries. Simply stated, coming to Japan might be one way of overcoming such a cultural gap.

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 Kansai International Center (JICA Kansai)

Address: 1-5-2, Wakino-hama-kaigandori, Chuo-ku, Kobe, Hyogo 651-0073, Japan

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