



TRAINING AND DIALOGUE PROGRAMS

GENERAL INFORMATION ON

**Mega-City Environmental Policy and Environmental
Management System**

集団研修「大都市地域環境政策・環境マネジメントシステム」

JFY 2012

<Type: Solution Creation Program / 類型: 課題解決促進型>

NO. J12-00634/ 1280992

From May 2012 to January, 2013

Phase in Japan: From May 21 to July 13, 2012

This information pertains to one of the Training and Dialogue Programs 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.

This program has been conducted by JICA OSAKA.

However, from 1 April 2012, JICA OSAKA is to be merged with JICA HYOGO into JICA KANSAI.

Kindly be informed that some information in this GI such as "contacts" and "location" is changed from the previous year.

I. Concept

Background

Along with economic development, rapid urbanization and industrialization have caused serious environmental problems in mega-cities* of developing countries. Developed countries had the same experiences and made a great progress to mitigate these problems, and they are still working to achieve environmental sustainability. In order to avoid following the same track developed countries had experienced, further efforts are required for developing countries.

This training program is designed for national/ local government officials who deal with environmental problems in such mega-cities of the target countries. This program aims at strengthening the organizational capacity to develop and implement environmental management plans by collaborating relevant organizations in the country.

This training program highlights the experiences of Osaka City, the No. 2 mega-city in Japan, which has worked for more than 30 years in order to satisfy environmental standards/ criteria and is still working for better environment based on cooperation of citizens as well as scientific knowledge and latest technology.

*Mega-city: The word mega-city is usually defined as a metropolitan area with a population of more than 10 million people. The definition of the word herein is, however, a city with a population of more than 1 million people.

For what?

Through the training program, participants are expected to improve their capacity for development and implementation of environmental management plans taking into account specific local pollution problems and global environmental problems.

For whom?

Technical, planning and management officers in the relevant field such as environmental management and urban living for a specific mega-city with a population of more than 1 million people.

(For selection of nominees, see II-4, "Eligible/ Target Organization" and III-2, "Nominee Qualifications".)

Note: This program deals with various fields of environmental problems. If a nominee wants to learn about a specific environmental field such as air pollution or waste management, he/ she may be recommended to apply for such courses.

How?

In this program, participants will learn about history, legislation, countermeasure techniques of environmental management especially taking examples of Osaka city through lectures, observations and practices.

II. Description

1. Title (J-No.) : **Mega-City Environmental Policy and Environmental Management System (J12-00634)**

2. **Period of program**

Duration of whole program: May 2012 to January 2013

Phase in Japan: May 21 to July 13, 2012

3. **Target Regions or Countries:**

India, Indonesia, Kosovo and Mexico

4. **Eligible / Target Organization :**

Central/ local government and public institutions in charge of development and implementation of environmental management plans for a specific mega-city in the country with a population of more than 1 million people.

5. **Total Number of Participants :**

7 participants

6. **Language to be used in this program:** English (including English translated from/ to Japanese through interpreters)

7. **Overall Goal:**

Capacity of participating organization will be improved for implementation of environmental policies.

8. **Objective:**

(1) **Program objective**

Ability of participants will be improved for development and implementation of environmental management plans taking into account specific local pollution problems and global environmental problems.

(2) **Expected Module Output:**

(Preliminary Phase in participants' home countries)

0. Country Reports are prepared in participants' home countries.

(Core Phase in Japan)

1. Environmental problems are shared among participants by the presentation of Country Reports.

2. Priority issues of participating organization will be identified through lectures about history and case study of environmental problems in Japan/Osaka and also through discussion among participants.

3. Participants will learn the methodologies for development of environmental management plans at the both levels of specific pollution control measures and cross cutting environmental issues.

4. Participants will understand Environmental Management System.

5. Action Plans will be prepared.

(Finalization phase in participants' home countries)

6. Action Plans will be shared and examined in participating organization.

9. Contents:

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

(1) Preliminary Phase in participant's home country (~May 20, 2012)

Participants prepare for the program in the respective country.

Output 0: Country Reports are prepared in participants' home countries.	
Country Report preparation	<ul style="list-style-type: none"> ✦ Preparation of Country Report <ul style="list-style-type: none"> ◆ Participants are requested to prepare a Country Report on their organization, activities, interests, and their country's environmental situation, etc., according to the instructions in VI. ANNEX1. ◆ Participants will be required to give a presentation based on the Country Report at the beginning of the program after arriving in Japan.



(2) Core Phase in Japan (May 21 to July 13, 2012)

Participants dispatched by the organizations attend the Program implemented in Japan.

Objective	Programme/Details	Purpose and Method of Guidance	Category		
			Lecture	Workshop/Discussion	Observation/Study trip
Orientation, Briefing and Miscellaneous	Briefing				
	General Orientation		○		
	Evaluation Meeting		○		
	Course Orientation		○		
	Activities of GEC		○		
Output 1: Environmental problems are shared among participants by the presentation of Country Reports.					
Sharing of the information and problems	Country Report Presentation	To share information on environmental conditions (including global environmental issues) in participant countries.	○		

Output 2: Priority issues of participating organization will be identified through lectures about history and case study of environmental problems in Japan/Osaka and also through discussion among participants.

1. History and Experience for Pollution in Osaka City and Japan (Air Pollution from stationary source, Automobile pollution, Water Environment, and Solid Waste)	History of Environmental Administration of Japan	Lectures and discussion about following themes; - Environmental problems, such as air pollution, water contamination and solid waste management in Japan and Osaka City - Social and economic factors, impact on citizens of environmental problems - Various efforts of government, companies and citizens.	<input type="checkbox"/>		
	Experience of Osaka City in Urban Environmental Management		<input type="checkbox"/>		
	Environmental Issues and Socio-Economic System in Developing Countries		<input type="checkbox"/>		
	Environmental Monitoring of Osaka City (including visit to a Monitoring Station)		<input type="checkbox"/>		<input type="checkbox"/>
	Outline of Japanese Environmental Law		<input type="checkbox"/>		
	Sewerage of Osaka City		<input type="checkbox"/>		
	Sewage Treatment Plant				<input type="checkbox"/>
	Incineration Plant				<input type="checkbox"/>
	Solid Waste Landfill Site				<input type="checkbox"/>
	Environmental Measures of Industries		<input type="checkbox"/>		<input type="checkbox"/>
2. Institutional Frameworks, Environmental Education, etc.	Sewage Science Museum	To learn about importance to raise people's environmental awareness and how to provide environmental education.	<input type="checkbox"/>		<input type="checkbox"/>
	Biodiesel Fuel System by Local Government				<input type="checkbox"/>
	Japanese Eco-town policy and visit to Osaka Eco-town site		<input type="checkbox"/>		<input type="checkbox"/>
	Nature Conservation Area		<input type="checkbox"/>		<input type="checkbox"/>

Output 3: Participants will learn the methodologies for development of environmental management plans at the both levels of specific pollution control measures and cross cutting environmental issues.

Planning for environmental management plan (specific pollution control measures and cross cutting environmental issues)	Environmental management plan of Osaka City (Environment Law and Ordinances)	To learn development of environmental management plans including various pollution control measures to address specific pollution problems ranging from transport air pollution to solid waste management issues as well as cross cutting environmental issues such as climate change.	<input type="checkbox"/>		
	Countermeasures for Environmental Pollution in Mid and Small-Sized enterprise		<input type="checkbox"/>		
	Motor Vehicle Pollution Control in Osaka City		<input type="checkbox"/>		
	Outline of Solid Waste Management in Osaka City		<input type="checkbox"/>		
	Recyclable Waste Sorting Center				<input type="checkbox"/>
	Issues on Waste Management in Developing Countries		<input type="checkbox"/>		
	Environmental Impact Assessment System of Osaka City		<input type="checkbox"/>		
	Environmental Impact Assessment System in ODA				<input type="checkbox"/>
	Environmental consideration of JICA		<input type="checkbox"/>		
	Trade and Environment Global, Regional and Local Perspective		<input type="checkbox"/>		
	Climate Change		<input type="checkbox"/>		
	General Outline of CDM/JI		<input type="checkbox"/>		
	Urban Housing Environment Management		<input type="checkbox"/>		

Lectures on Environmental Issues at the UNU	<input type="checkbox"/>		
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Output 4: Participants will understand Environmental Management System.			
EMS in Japanese Enterprises	EMS (ISO14001) in Japanese Enterprises	To acquire knowledge of Environmental Management System (EMS) focusing on ISO 14001, the most prevalent international EMS, which requires continuous environmental improvements by factories/ offices applying PDCA (Plan, Do, Check, Action) cycle.	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Output 5: Action Plans will be prepared.			
Identification of problems/ solutions	Guidance to preparation of Action Plan	To identify specific environmental problems participants are facing and to find concrete solutions for them, according to the instruction of VII. ANNEX 2 and guidance	<input type="checkbox"/>
	Action Plan Presentation		<input type="checkbox"/>



(3) Finalization Phase in participant's home country (July 2012 to January 2013)

Participating organizations produce final outputs by making use of results brought back by participants. This phase marks the end of the Program.

Output 6: Action Plan will be shared and examined in participating organization.	
Presentation and improvement of Action Plan	<ul style="list-style-type: none"> ✦ Presentation of Action Plan in the participating organization ✦ Improvement of Action Plan
Submission of Follow-up Report to the respective country's JICA office	<ul style="list-style-type: none"> ✦ Submitting Follow-up Report including description of progress of Action Plan to the respective country's JICA office (Deadline: January 31, 2013) ✦ Participants will have detailed guidance on Follow-up Report during the program in Japan.



[Program Objective]
Ability of participants will be improved for development and implementation of environmental management plans taking into account specific local pollution problems and global environmental problems.

10. 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 proposals from the participating organizations.

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 use 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) As this program is designed to facilitate organizations to come up with concrete solutions for their issues, participating organizations are expected to make due preparation before dispatching their participants to Japan by carrying out the activities of the Preliminary Phase described in section II-9.
- (4) Participating organizations are also expected to make the best use of the results achieved by their participants in Japan by carrying out the activities of the Finalization Phase described in section II-9.

2. Nominee Qualifications:

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

(1) Essential Qualifications

Current Duties:

Technical, planning and management officers in the relevant field such as environmental management and urban living for a specific mega-city with a population of more than 1 million people, who are working at central and local governments or public institutions.

- Two persons per year, totally six persons for this three year training program from each participating country.
- It is recommended for each participating country to nominate two officials in a central and local government or public institutions who work on environmental sub sectors of the one specific mega-city, so that those two officials will coordinate together to address the one specific city's problems across their organizations after they return to the country. The examples are indicated as follows among various possible cases:

Example 1 (Two officials belonging to a same organization such as a city government, but working on different environmental sub sectors): One city government official working on waste management and another working on air pollution control in the same city.

Example 2 (Two officials belonging to different organizations such as a central or local government or public institutions but working on the same environmental sub sector for the same city): One ministry of environment official and one city government official working on air pollution control of the same city.

- (2) **Experience in the relevant field:** at least five (5) years' experience in the relevant field of environmental management.
- (3) **Age:** be between twenty-five (25) and forty-five (45) years of age
- (4) **Language:** have a sufficient command of spoken and written English (This training program includes active participation in discussions, Action Plan elaboration, requiring a good level of English skills in reading, writing, and oral presentation. Please attach official certificate for English skills 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.

PREGNANCY:

Pregnant participants are strictly requested to submit the required documents to the respective country's JICA office before departure in order to minimize the risk for their health. The documents include: 1) letter of the participant's consent to bear economic and physical risks, 2) letter of consent from the participant's supervisor, 3) letter of consent from your Embassy in Japan and 4) medical certificate. Please ask National Staffs in the respective country's JICA office for details.

IMPORTANT REMARK FOR PARTICIPANTS WITH CHRONIC DISEASES:

Applicants who suffer from chronic diseases, such as respiratory illness, cardiac disease, metabolic disease (diabetes, etc.), renal dysfunction and immune insufficiency (systemic steroid administration, etc.), shall NOT be accepted in principle for their security reasons. Please note that it would be extremely difficult to purchase appropriate medicines for this type of diseases and that medical care covered by JICA insurance (indicated in IV. Administrative Arrangements) does NOT cover the cost for any treatment for pre-existing chronic diseases.

In case the applicant and his/her organization recognize strong necessity for sending applicant with chronic disease, JICA might consider it as an exceptional case under the conditions as below:

- A) Submission of "the letter of consent" from applicant and his/her organization;
 - (i) that they will bear all responsibilities and expenses for any risks and

problems arising from his/her participation in the program and
(ii) that the participant in question will bring all necessary medicines.
B) Submission of "medical doctor's diagnosis and recommendation".
Please ask national staffs at the respective country's JICA office for the details.

(6) Must not be serving any form of military service.

3. Required Documents for Application

- (1) **Application Form:** The Application Form is attached to this General Information.
- (2) **Country Report:** Please see "A. Preparation of Country Report", VI. ANNEX1 for details.

Note: Applications not accompanied by Country Report shall not be duly considered.

Attention! : All documents should be in English and typewritten or printed in BLOCK LETTERS, NOT in *Running Hand*.

4. Procedure for Application and Selection :

- (1) **Submitting the Application Documents:**
Closing date for application to the JICA Osaka Center in JAPAN: **March 21, 2012**
Note: Please confirm the closing date set by the respective country's JICA office or Embassy of Japan of your country to meet the closing date in Japan.

(2) **Selection:**
After receiving the documents through due administrative procedures in the respective government, the respective country's JICA office (or Japanese Embassy) shall conduct screenings, and send the documents to JICA Osaka in Japan, which organizes this program. Selection shall be made by JICA Osaka in consultation with the organizations concerned in Japan based on submitted documents according to qualifications. The organization with willingness to utilize the opportunity of this program will be highly valued in the selection.

(3) **Notice of Acceptance:**
Notification of results shall be made by the respective country's JICA office (or Embassy of Japan) to the respective Government by **not later than April 21, 2012.**

5. Document(s) to be submitted by accepted participants:

Before coming to Japan, only accepted participants are required to prepare a

presentation of Country Report. Please see "B. Presentation of Country Report", VI. ANNEX1 for details.

6. Conditions for Attendance:

- (1) to follow the schedule of the program,
- (2) not to change the program subjects or extend the period of stay in Japan,
- (3) not to bring any members of their family,
- (4) to return to their home countries at the end of the program in Japan according to the travel schedule designated by JICA,
- (5) to refrain from engaging in political activities, or any form of employment for profit or gain,
- (6) 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 training expenditure depending on the severity of said violation.
- (7) observe the rules and regulations of their place of accommodation and not to change the accommodation designated by JICA, and
- (8) to participate the whole program including a preparatory phase prior to the program in Japan. Applying organizations, after receiving notice of acceptance for their nominees, are expected to carry out the actions described in section II-9 and section III-5.

IV. Administrative Arrangements

1. Organizer:

- (1) **Name:** JICA KANSAI (JICA OSAKA, up to March 2012)
- (2) **Contact:** Ms. Mihoko Kawamura
(Kawamura-Mihoko@jica.go.jp and osicttp@jica.go.jp)

2. Implementing Partners:

- 1-1) **Name:** Global Environment Centre Foundation (GEC)
- 1-2) **Contact:** Mr. Shinichi Tanaka
- 1-3) **URL:** <http://gec.jp/>
- 1-4) **Remark:** GEC was established in 1992, with the purpose of supporting to UNEP DTIE IETC's activities and promoting partnership between developing countries and Japan for global environmental conservation. Participants will be able to become a member of JICA-GEC Network and share and exchange information.

- 2-1) **Name:** Environment Bureau, Osaka City
- 2-2) **URL:** <http://www.city.osaka.lg.jp/contents/wdu020/kankyo/english/>
- 2-3) **Remark:** Bureau in charge of conservation of environment and waste disposal

(air pollution, automobile pollution, noise and vibration, toxic chemical, ground environment, water quality in river and ground water and waste treatment)

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:** Term of Insurance: From arrival to departure in Japan. The traveling time outside Japan shall not be covered.

4. Accommodation in Japan:

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

JICA Kansai International Center (JICA Hyogo center, up to March 2012)
 Address: 1-5-2, Wakinohama-kaigandori, Chuo-ku, Kobe, Hyogo 651-0073, Japan
 TEL: 81-78-261-0341 FAX: 81-78-261-0342
 (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 (JICA HYOGO up to March, 2012) at its URL, [http://www.jica.go.jp/english/contact/domestic/.](http://www.jica.go.jp/english/contact/domestic/)

5. Expenses:

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

- (1) Allowances for accommodation, 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, or dental treatment are not included)
 - (4) Expenses for program implementation, including materials
- For more details, please see p. 9-16 of the brochure for participants titled "KENSU-IN GUIDE BOOK," which will be given to the selected participants before (or at the time of) the pre-departure orientation.

7. Pre-departure Orientation:

A pre-departure orientation will be held at the respective country's JICA office (or Japanese Embassy), to provide participants with details on travel to Japan, conditions of the workshop, 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 recommended to bring laptop computers for your convenience, if possible. During the program, participants are required to work on the computers, including preparation of Action Plans, etc. Most of the accommodations have the access to the Internet. Also, there is a computer room in JICA KANSAI where sixteen desk-top computers have the internet access.
4. Allowances, such as for accommodation, living, clothing, and shipping, will be deposited to your temporary bank account in Japan after 2 to 5 days after your arrival to Japan. It is highly advised to bring some cash / traveler's check in order to spend necessary money for the first 2 to 5 days after your arrival.
5. It is very important that your currency must be exchanged to Japanese Yen at any transit airport or Kansai Airport soon after your arrival. It is quite difficult to exchange money after that, due to no facility or time during the training program.

VI. ANNEX 1

Country Report

Country Report is to describe the current situation and problems of environment in your country. Country Report will be used for selection of nominees as well as sharing environmental information of each country at the beginning of the training program in Japan.

A. Preparation of Country Report

Nominees are requested to prepare Country Report following the instruction below. This Country Report will be used for selection of nominees.

Contents:

- 1. Introduction
 - (1) Name of nominee
 - (2) Name of country
 - (3) Name of nominee's organization
 - (4) Organization chart (indicating relations of environmental administration organizations and your organization)
- 2. Outline of environmental administration
 - (1) Environmental laws and ordinance etc. (focusing on the environmental sub sector of your work)
 - (2) Environmental standards (ditto)
 - (3) Environmental impact assessment systems
- 3. Environmental problems which you want to solve in your organization
- 4. What you want to acquire in this program (please itemize briefly)

Format:

- Typewritten (A4 size) in English (Microsoft Word®, etc.)
- Page number: about 5 pages

Submission: To be submitted together with Application Form

Note: Applications not accompanied by Country Report shall not be duly considered at selection.

B. Presentation of Country Report

After selection, participants are requested to prepare for making a presentation of Country Report at the beginning of the training program in Japan.

Format:

- Please modify the A4 size Country Report (see A above) to a presentation file (Microsoft PowerPoint®, etc.)
- 1 presentation per country. Please coordinate with the other participant of your country in order to streamline 2 Country Reports into 1 presentation.
- Slide number: about 10~15 slides

Language: English (English-Japanese interpretation)

Presentation time:

- Presentation: 10~15 minutes (please be punctual!)
- Interpretation and QA: 25 minutes
- Total: 40 minutes per country

Submission: May 4, 2012

- Please e-mail the presentation data to Mihoko KAWAMURA (Ms.), JICA Osaka (Kawamura-Mihoko@jica.go.jp and osicttp@jica.go.jp)

Presentation Date and Place: To be informed at the beginning of the program in Japan

Others:

- Please bring the presentation data in USB.
- Please bring environment-related white papers (annual reports), reports and pamphlets as well as materials such as slides, videotapes and photographs in order to visually understand the environmental situations in your country.

VII. ANNEX 2

Action Plan

What is Action Plan?

During the training program, all participants are required to prepare an Action Plan. Participants are expected to make a presentation of Action Plan at the end of the program in Japan and in your organization after returning to your country.

The purpose of its preparation is to identify a specific environmental problem and a concrete solution for it. You are recommended to focus on one topic you are able to carry out after returning to your country. Therefore, Action Plan should be both concrete and practical. Try to make your Action Plan by using the existing human and financial resources in your organization in the most efficient and effective way possible.

<Contents of Action Plan (Recommended)>

- a. Title
- b. Background (challenges to be solved, national policy, etc.)
- c. Objectives (Goals)
- d. Outcomes
- e. Direct and Indirect beneficiaries
- f. Related knowledge/skill acquired during the training in Japan
- g. Action Component
- h. Implementation schedule
- i. Responsible agencies and their roles
- j. Monitoring and evaluation
- k. Budget and other necessary resources (amount of budget and how to raise fund)

Note: Participants will have more detailed guidance during the program in Japan.

VIII. ANNEX 3

Useful Links

Participants may wish to know Japanese environmental management policies/ plans.
Following links may be useful for your research.

Ministry of the Environment, Japan

<http://www.env.go.jp/en/>

Contents: National policies/laws

Language: English, Chinese, Korean, French and Japanese

Osaka City

<http://www.city.osaka.lg.jp/contents/wdu020/english/index.html>

Contents: Osaka City's programs, statistics, communication with residents

Language: English, Korean, Chinese, French, Spanish, Portuguese and Japanese

JBIC Environmental Guidelines for ODA Loans

http://www.jica.go.jp/english/publications/jbic_archive/guidelines/

Contents: procedure to accept JBIC (Japan Bank for International Cooperation) ODA loans after due consideration of environmental aspects.

Language: English, French, Spanish and Japanese

IX. ANNEX 4

Schedule of 2011(last year)

Training period: June 6, 2011~July30, 2011

Date	Time	Type	Subject	Module
June 6	Mon		Arrival in Japan	
7	Tue	9:40	Briefing session	
		15:15	Meeting with Training Coordinator (CDN)	
8	Wed	10:00-11:30	L General Orientation	
		15:15-17:15	L General Orientation	
9	Thu	10:00-11:00	Program Orientation	
10	Fri	10:00-15:15	L General Orientation	
			Meeting with CDN	
11	Sat		N	
12	Sun		N	
13	Mon	10:30-12:00	GEC Course Orientation	I
		13:30-15:30	L Introduction of NETT 21/JICA-GEC Network	
14	Tue	10:00-11:00	Opening Ceremony	
		11:00-11:30	Explanation on Overview of Osaka City	
		13:30-14:30	Courtesy Visit to Osaka City Deputy Mayer	
15	Wed	9:00-15:30	L Osaka City Policy for Waste Management	III
		15:30	Flight Meeting	
16	Thu	AM	Action Plan Preparation	V
		13:30-14:00	L Waste Reduction Policy and Recycling Services of Osaka City	III
		14:00-16:00	O Tsurumi Waste Sorting & Recycling Center	III
17	Fri	10:00-12:30	L Outline of Osaka City Sewerage Work	II
		14:30-16:00	O Incineration Plant with Waste Water treatment Facility	II
18	Sat		N	
19	Sun		N	
20	Mon	10:00-16:00	L/P Corporate Social Responsibility (CSR) and Environmental Management System	IV
21	Tue	10:00-16:00	D Country Report Presentation	I
22	Wed	10:00-16:00	D Action Plan Making Guidance	V
23	Thu	10:00-12:30	L History of Environmental Administration of Japan/ Outline of Environment-related Law System	II
		14:00-16:30	L Countermeasures for Environmental Pollution in SMEs (Case study : SME Industrial Park)	III

24	Fri	10:00-12:00	O	Sewerage Treatment Plant	II
		13:00-15:45	O	Osaka City Sewage Science Museum	II
25	Sat		N		
26	Sun		N		
27	Mon	10:00-13:00	O	Environmental Measures by Industry Sakai Plant, Kubota Corporation	II-2
28	Tue	10:00-12:30	L	Environmental Policy in Osaka City (Law and Ordinance)	III
		13:30-16:00	L	Environmental Policy in Osaka City (basic Environmental Plan)	II-1 & III
29	Wed	10:00-16:00	L	Experience of Urban Environmental Management in Osaka City	II
30	Thu	10:00-12:30	L	Continuous Monitoring System in Osaka City	II-1
		14:00-16:00	O	Monitoring Station	II-1
July 1	Fri	10:00-12:30	L	Countermeasures against Automobile Pollution in Osaka City	III
		13:30-16:00	L	Living Environment Management in Southeast Asian Cities	III
2	Sat		N		
3	Sun		N		
4	Mon	10:00-16:00	L	International Cooperation by JICA/ Case Study of EIA	III
5	Tue	all day long	D	Action Plan making Guidance	V
6	Wed	10:00-12:30	L/P	Cleaner Production project in Developing Countries by UNEP	III
		14:30-16:00	O	Biodiesel Fuel Production from Used Edible Oil by Local Government	II-2
7	Thu	10:00-12:00	L	Eco-Town Policy in Japan	II-2
		14:00-16:30	O	Eco Town in Osaka Pref.	II-2
8	Fri	AM	P	Procedures for River Water Quality Sampling	
		13:30-16:00	O/P	Environmental Education at an Elemental School (Practice: Water Quality Analysis using Simplified Measurement Kit)	
9	Sat		N		
10	Sun		N		
11	Mon	10:00-16:00	L	Trade and Environment - Global, Regional and Local Policy & Practice	III
12	Tue	10:00-16:00	L	Biodiversity in Urban Areas	II-2
13	Wed	10:00-15:00	O	Nature Preservation Area (meiji-no-mori Quasi-National Park)	II-2
14	Thu	10:00-16:00	L	Environmental Impact Assessment in Osaka City	III
15	Fri	AM	O	EIA Case Study in Osaka City	
16	Sat		N		
17	Sun		N		
18	Mon		N		
19	Tue	10:00-12:30	L	Environmental Problems in Developing Countries	II-1

				and Suggestions for the Social Economic System	
		13:30-16:00	L	Approaches to Mitigate Climate Change: CDM and NAMAs	III
20	Wed	10:00-15:00	O	Mid-term Reflection	
		PM		Moving to Tokyo	
21	Thu	9:30-12:00	L	Development and Climate Change in Developing Countries	III
		PM	L	Climate Change, Oil Dependency & Food Security	III
22	Fri	10:00-11:30	L	Management of Chemicals in the Context of Global Change and Urbanization	III
		11:30-13:00	L	Third World Approaches to Global Environmental Diplomacy	III
		14:00-15:30	L	Risk Prone Megacities to Disaster Resilient Eco-Communities	III
23	Sat		N	Moving to Osaka	
24	Sun		N		
25	Mon	10:00-15:30	O	Inland Final Disposal Site	
26	Tue	10:00-16:00	D	Action Plan Making Guidance (Draft presentation)	V
27	Wed	10:00-16:00	D	Action Plan Making Guidance	V
28	Thu	10:00-15:00	D	Action Plan Presentation	V
		15:00-16:00		Technical Evaluation	
29	Fri	10:00-12:00		JICA Evaluation	
		12:00-12:45		Closing Ceremony	
30	Sat		N	Departure	

L: Lecture P: Practice D: Discussion O: Observation N: No Official Program

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, training programs, JOCV programs, etc.

Within this wide range of programs, Training 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.



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