



【Online & In Japan】

Knowledge Co-Creation Program

(Group & Region Focus)

GENERAL INFORMATION ON
Basics of Solid Waste Management(A)
課題別研修「固形廃棄物管理の基礎（A）」
JFY 2020
NO. 201902213-J001 / ID. 201902213

Online training period: From February 22 to March 5, 2021
Course Period in Japan: 6 weeks from September to October, 2021

*In the context of the COVID-19 pandemic, please note that there is a possibility of postponing the course in Japan or implementing the whole course online.

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)' as a New Start

In the Development Cooperation Charter which was released from the Japanese Cabinet on 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

In Central, South American and Caribbean Countries, various urban environmental problems are caused by an excessive concentration of the population into urban areas. Especially, environmental pollution that centers on the municipal solid waste (household and business waste) and industrial waste has become one of the most serious issues. This training and dialogue programs aims to develop the capacity of participants in municipal solid waste mainly through Japanese experiences of local government's municipal solid waste management administration, 3R (Reduce, Reuse, and Recycle) policy, and promotion of public awareness etc., thus contribute to the improvement of urban living environment in the Central, South American and Caribbean Countries.

For what?

This program aims to develop the capacity of participants and contribute to the improvement of municipal solid waste management (reduction of discharge, collection, transportation, final disposal and 3R) system in the respective countries.

For whom?

This program is offered to officers in charge of solid waste management including 3R (Reduce, Reuse and Recycle) in central / local government.

How?

In this program, participants will have an opportunity to exchange their ideas and information of each country, and to develop human networks among them through online and in Japan.

Participants shall have opportunities to learn waste management and 3R of Japan through lectures, field trips and workshops. Participants will also propose an Action Plan describing what the participant will do in their own country making the best use of the knowledge and ideas acquired and discussed among others for on-going activities.

II. Description

1. Title (J-No.):

Basics of Solid Waste Management(A)
(201902213-J001)

2. Period of program:

- 1) Online program: from February 22 to March 5, 2021 (in a participant's home country)
- 2) Course Period in Japan: Approximately 6 weeks from September to October, 2021

3. Target Regions or Countries:

Ecuador, Perú, Panama, Nicaragua, Honduras

4. Eligible / Target Organization:

This program is designed for central or local government in charge of solid waste management including 3R (Reduce, Reuse and Recycle).

5. Course Capacity (Upper limit of Participants):

5 participants

6. Language to be used in this project:

Spanish

7. Program Objective:

Action plan which aims that the central/local governments practice appropriate waste management (reduction of discharge, collection, transportation, final disposal and 3R.) and promote social awareness and active participation regarding waste management will be proposed.

8. Overall Goal:

The improvement plan for municipal solid waste management (reduction of discharge, collection, transportation, final disposal and 3R) system is actually implemented in the participant's respective organizations.

Training Schedule

22 de febrero (lunes)	Clase	[Transmisión de video] Acto de inauguración, Orientación sobre el Programa	Kunitoshi Sakurai
24 de febrero (miércoles)	Clase	[Transmisión de video] Historia de la gestión de residuos en Japón	Katsuyoshi Sudo
24 de febrero (miércoles)	Clase	[Transmisión de video] Situación real de la gestión de residuos en Japón	Takashi Miyagawa
24 de febrero (miércoles)	Clase	[Transmisión de video] Tecnologías adecuadas de gestión de residuos en los países en desarrollo	Kunitoshi Sakurai
25 de febrero (jueves)	Clase	[Transmisión de video] Administración pública en gestión de residuos/3R en el Gobierno Municipal de Sapporo	En proceso de coordinación
25 de febrero (jueves)	Clase	[Transmisión de video] Tratamiento de residuos en el Gobierno Municipal de Sapporo (incluyendo la presentación de las instalaciones)	En proceso de coordinación
25 de febrero (jueves)	Clase	[Transmisión de video] Selección y mantenimiento de camiones de recolección	Mamoru Inoue
25 de febrero (jueves)	Clase	[Transmisión de video] Sensibilización ciudadana para promover las 3R	Kimiko Kozawa
26 de febrero (viernes)	Clase	[Transmisión de video] Estudio de Tiempos y Movimientos (Ejercicio de simulación)	Takashi Miyagawa
26 de febrero (viernes)	Clase	[Transmisión de video] Sistema de relleno sanitario "Método Fukuoka"	Yasushi Matsufuji
5 de marzo (jueves)	Debate	[Transmisión de video] Evaluación	Kunitoshi Sakurai

*All lectures will be provided by video and powerpoint during online program. Watching all powerpoints and videos needs around 3 hours per day. So getting permission from organization is recommended.

Details of training program in Japan will be informed later.

*In the context of the COVID-19 pandemic, please note that there is a possibility of postponing the course in Japan or implementing the whole course online.

*This program is provisional and the schedule is subject to change without notice.

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 project 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 through online and 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

- 1) Current Duties: be officers in charge of solid waste management including 3R (Reduce, Reuse and Recycle) in central / local government.
- 2) Educational Background: University graduates or equivalent academic background.
- 3) Language: have a competent command of spoken and written Spanish (This Training Programs includes active participation in discussions, Action Plan development, thus requires high competence of Spanish ability).
- 4) 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.

*Note: Applicants are requested to submit the Medical History Questionnaire included in the Application Form mentioned in 4-(1) below.

Internet access: must have enough Internet access to participate online program

(2) Recommendable Qualifications

- 1) Age: be under forty five (45) years of age.
- 2) Experience in the relevant field: have at least five (5) years of practical work experience.

3) Gender Consideration

JICA is promoting Gender equality. Women are encouraged to apply for the program.

3. Required Documents for Application

(1) Application Form: The Application Form is available at the respective country's JICA office or the Embassy of Japan. Should be filled in ENGLISH

(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 Expire date.

(3) Country Report: to be submitted with the application form (Detail information is provided in the ANNEX "Country Report").

4. Procedure for Application and Selection:

(1) Submitting the Application Documents:

Closing date for application to JICA Sapporo: **February 15, 2021.**

Note: Please confirm the closing date set by the respective country's JICA office or Embassy of Japan of your country to meet the final date in Japan.

(2) Selection:

After receiving the document(s) 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 Hokkaido in charge in Japan, which organizes this program Selection shall be made by JICA Hokkaido in consultation with the organizations concerned in Japan based on submitted documents according to qualifications. *The organization with 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 shall be made by the respective country's JICA office (or Embassy of Japan) to the respective Government by **not later than February 19, 2021.**

5. Conditions for Attendance:

- (1) to observe 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 during program in Japan,
- (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 during program in Japan.
- (7) to 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.

IV. Administrative Arrangements

1. Organizer:

(1) **Name:** Yukari ISHIDA (Ms.), Program Officer, JICA Sapporo

(2) **contact:** Ishida.Yukari@jica.go.jp (English only)

2. Implementing Partner:

Name: Japan Environmental Sanitation Center (JESC)

Environmental affairs Bureau, City of Sapporo

URL: <http://www.jesc.or.jp/en/tabid/164/Default.aspx>

<http://www.city.sapporo.jp/city/english/index.html>

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 Hokkaido Center (Sapporo)

Address: Minami 4-25, Hondori 16-chome, Shiroishi-ku, Sapporo, Hokkaido
003-0026, Japan

TEL: 81-11-866-8383 FAX: 81-11-866-8382

(where "81" is the country code for Japan, and "11" is the local area code)

If there is no vacancy at JICA Hokkaido Center (Sapporo), JICA will arrange alternative accommodations for the participants.

5. Expenses:

The following expenses will be provided for the participants by JICA during program in Japan:

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

(2) Expenses for study tours

(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

V. Other Information

Participants who have successfully completed the program through online and in Japan will be awarded a certificate by JICA.

VI. ANNEX:

Country Report for Basics of Solid Waste Management(A) (201902213J001)

1. INTRODUCTION

Please be reminded that this report plays significant role because the objective of this training course is to find solutions for the issue that you/your organization face in waste management.

2. PURPOSE

To introduce, and share information about your situation and issues of waste management with Lectures and participants.

3. INSTRUCTION:

- 1) Fill in the each colon briefly, referring the following explanation.
 - (1) Please write answers considering the situation of waste management in your county or your responsible area.
 - (2) The Country Report should be written in **Spanish** in maximum four (4) sheets of A4 size paper.

- 2) Submit the sheet **with the application form** by not later than **February 15, 2021.**

**Please attach or bring some materials (statistics data, pictures, videos etc.) to show the situation of waste management, 3R and environmental education in participants country, if possible.*

***NOTE**

- (1) Each participant will have 15-20 minutes for an oral presentation on his / her Country Report
- (2) Use audio visual aids such as Microsoft PowerPoint for the presentation.
- (3) Please set the font bigger for the presentation materials.
- (4) Regarding the Country Report presentation which is mentioned as NOTE (1), the item should be include as follows; please do not include any sightseeing information such as heritage, national product, and etc.

<Format of Country Report >

- a) Basic information
- b) Current duties on your job
- c) Current issues and countermeasure
- d) Expectation from this training program
- e) Your future plans to apply expected results of the training program after returning to your country
- f) Good practices or achievement in your area/country which you would like to share with other participants

*In order to make a better Action Plan, it is recommended that each participant bring necessary documents or data from his / her country.

1. Basic information.

Name of the country/ City	
Name of the participant	

2. Describe current duties on your job.

Period	From	to
Organization		
Position		
Outline of duties:		

3. Describe the current issues and countermeasure of the waste management.

Current issues in charge	
Countermeasure	

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4. Describe your expectation from this training program.

No	Expectation
1	
2	
3	

5. Describe your future plans to apply expected results of the training program after returning to your country.

No	Future plans
1	
2	
3	

6. Describe good practices or achievement in your area/country which you

would like to share with other participants. Especially, if there are some good examples of something related to financial aspects of waste treatment (method to determine collection and final disposal charge, and how to collect collection and final disposal fee,), please describe it.

No	Good practices
1	
2	
3	

7. Describe the general information about waste management in your country

General Information of the area in charge	(1) Name of the area of in charge		
	(2) Population of the area in charge		
	(3) Service area (Km ²)		
	(3) GDP per capita (US\$)		
	(4) Climate Condition		
Relevant laws and organizations	(1) Laws of waste management and recycling		
	(2) Budget amount for waste management		
	(1) Relevant organizations and their roles	Roles of the central government	
		Roles of the local government	

		Other organizations concerned		
Municipal Solid Waste	(2) Generation and disposal	Amount of generation (t / y)		
		Classification of waste		
		Composition of waste		
		Collection and transportation system		
		Treatment method		
		Disposal method		
		Amount of final disposal (t / y)		
	(3) Cost	Cost of collecting(US\$/ton)		
		Cost of disposal(US\$/ton)		
		Collection method of collecting fee		
		Collection method of disposal fee		
	Other waste	(1) Industrial waste	Responsible ministry	
			Amount of generation (t / y)	
Treatment / disposal method				

		Disposal cost	
(2) Medical waste		Responsible ministry	
		Amount of generation (t / y)	
		Treatment / disposal method	
		Disposal cost	
		Disposal cost	
(3) hazardous waste		Responsible ministry	
		Amount of generation (t / y)	
		Treatment / disposal method	
		Disposal cost	
Current situation of environmental (waste) education			
Current situation of 3R (reduce, reuse, recycling)			

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.



CORRESPONDENCE

For enquiries and further information, please contact the JICA office or the Embassy of Japan.

Further, address correspondence to:

JICA Hokkaido Center (Sapporo)

Address: Minami 4-25, Hondori-16 chome, Shiroishi-ku,
Sapporo, Hokkaido 003-0026 Japan

TEL: +81-11-866-8393 FAX: +81-11-866-8382