



【Online】 Knowledge Co-Creation Program (Group & Region Focus)

GENERAL INFORMATION ON

**Solid Waste Management towards Recycle Oriented Society
(Emphasis on Partnership between Public Entities and Citizens)**

**課題別研修「循環型社会構築のための固形廃棄物管理
(行政と市民の協働に重点を置いた)」**

JFY 2022

Course No. 202107946J001

Online Course Period: From January 23, 2023 to February 17, 2023

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

Population increase and economic growth have brought about increasing amounts of waste. Especially in developing countries where solid waste management (hereinafter SWM) system is not fully developed, a variety of problems such as illegal dumping, open dumping of untreated waste, improper treatment of hazardous waste are threatening public health and sanitation conditions, and resulting in the loss of precious natural resources and ecosystem.

Japan experienced similar problems and it has come close to achieve a sound material-cycle society in recent years. This has been realized through joint efforts of national government, local governments, private companies, associations, and citizens who have worked and played respective roles to optimize collection, transport, recycling, intermediate treatment, final disposal of waste, and more. In the course of these efforts, Japan has also set up extensive systems to promote technological innovation and 3R (reduce, reuse, recycle) initiatives while raising social awareness on waste reduction.

In the global context, UN General Assembly adopted 'Transforming our world: the 2030 Agenda for Sustainable Development' with the 17 Sustainable Development Goals and 169 targets in 2015. SWM is addressed in the related SDGs goals and targets. G11 articulates, "Make cities and human settlements inclusive, safe, resilient and sustainable." Target 11.6 goes "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." G12 is about "Ensure sustainable consumption and production patterns." Target 12.5 says "By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse." Target 14.1 states the importance of reducing marine pollution in particular from land-based activities, including marine debris and nutrient pollution.

Japan, as one of the island countries, has committed international human capacity development of SWM in small islands. It has been supporting sustainable solid waste management in the Pacific Island countries through regional technical cooperation project 'Promotion of Regional Initiative on SWM (J-PRISM)' since 2010. The value of the cooperation was noted among the leaders attended at The 8th Pacific Islands Leaders Meeting (PALM 8) held in Fukushima from May 18 to 19, 2018.

This program provides participants with knowledge on SWM policy instruments, technologies, stakeholder participation based on Japan's experience through lectures, exercises and observations, in collaboration with Japanese local governments in Kansai region.

For what?

This program aims at strengthening human and institutional capacity for sustainable SWM, especially in the field of raising social awareness, environment education, and promotion of 3Rs (reduce, reuse, recycle) in island countries.

For whom?

This program is offered to administrators/municipal officers, who are in charge of SWM. The most suitable personnel is local or regional government officers. Central government officers who support local government for improvement of SWM, or staffs of other organizations such as NGOs or public corporations which are engaged in SWM at local level can be applicable.

How?

Through online self-study, participants shall have opportunities to learn Japanese experiences, knowledge and technologies related to SWM (specified materials provided by Japanese lecturers through internet or other media). Lectures, observations and exercises will be provided during their visit in Japan. In the end, they will formulate an Action Plan describing how to improve SWM in each country by utilizing ideas and experiences acquired in the program.

Sustainable Development Goals (SDGs)

JICA is committed to achieving the SDGs. This program is to contribute to the following goals.



II. Description

1. Title (Course No.): Solid Waste Management towards Recycle Oriented Society (Emphasis on Partnership between Public Entities and Citizens) (202107946J001)

2. Course Period:

Online learning: From January 23 2023 to February 17, 2023

This program consists of on-demand self-directed studies, online Q &A sessions and Discussions for interactive communications between lecturers and participants.

* In the context of the COVID-19 pandemic, please note that there is still a possibility the course period will be changed, shortened, or the course itself will be cancelled.

3. Target Regions or Countries:

Argentina, Cuba, Kosovo, Laos, Malaysia, Mongolia, Tunisia, Ukraine, Viet Nam, Zambia

4. Eligible / Target Organization:

This program is mainly designed for organization as follows;

- 1) local government and/or regional government who are in charge of SWM
- 2) central government and governmental agencies which support local and regional government for improvement of SWM
- 3) other organizations such as NGOs or public corporations which are engaged in SWM at local level.

5. Course Capacity (Upper limit of Participants):

10 participants

6. Language to be used in this program:

English (including English translated from Japanese through interpreter)

7. Course Objective:

An Action Plan concerning measures to build a sound material-cycle society necessary at local, wide-area or national level is formulated by each participant.

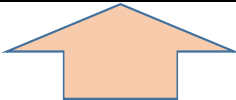
8. Overall Goal

Human and institutional capacity for sustainable SWM in participating countries is strengthened.

9. Expected Module Output and Contents

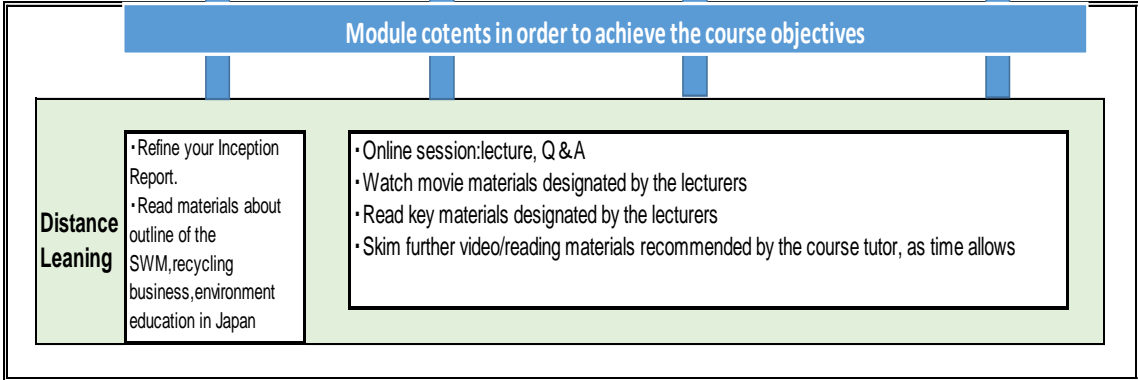
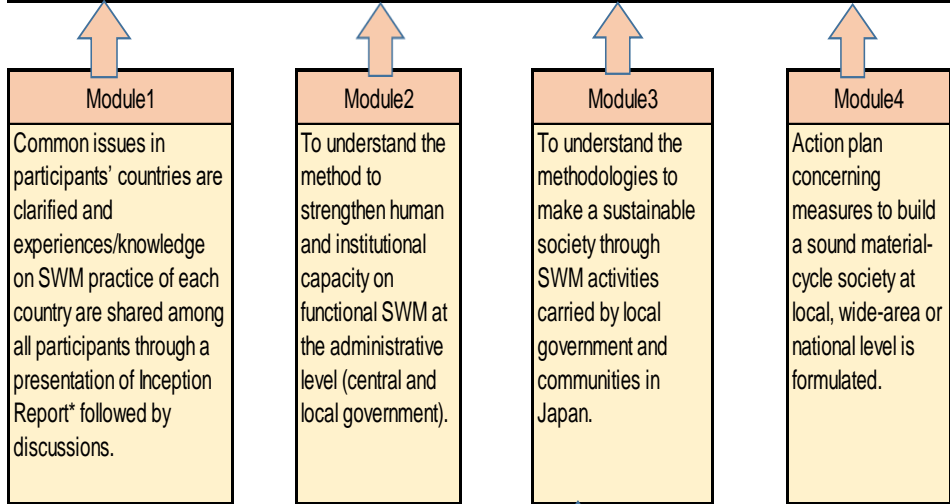
This course consists of the following components. Details on each components are Given below. (Detailed information will be given for the accepted participants.)

Overall Course Objectives:
 An action plan concerning measures to build a sound material-cycle society necessary at local, wide-area or national level is formulated by each participant.



Out-comes

- 1) To clarify the common issues and country-specific issues regarding SWM
- 2) To comprehend the laws, regulations, and systems of solid waste management by central and local governments in Japan, and to clarify the differences between Japan and the participants' respective countries.
- 3) To comprehend concepts and methods of resource recycling and 3Rs and to find the ways of application in participants' country.
- 4) To acquire the know-how to build a sustainable society through the activities of government, communities, and corporations.
- 5) To formulate an action plan toward a sustainable recycle-oriented society.



Distance learning in a participant's home country

(From January 23 to February 17, 2023)

- Read/watch materials provided in various styles of media such as an e-mail or online etc. at their own pace. (Approximately from one to two hours per a week shall be allocated. Detailed information will be given after acceptance notification.)
- Post questions or answers about online self-study contents among other participants through internet guided by the course tutors.
- Response periodical monitoring via emails from the course tutors.
- Consultation with participants' superior and/or colleagues what challenges/problems shall be addressed by utilizing knowledge that the participants will gain through the course (which are potential main topics for their action plan).
- Preparation of the presentation data of each inception report which shall be presented on the commencement of the session in Japan.
- Contact with an ex-participant, if possible, in the respective countries to get more idea about the course. (Note: the course title was renewed from this year. Previous course title was Enhancement of Solid Waste Management Capacity (Advance, Planning and Policy) (A)

Expected Module Output	Subjects/Agendas	Methodology
<p>Module1: Common issues in participants' countries are clarified and experiences/knowledge on SWM practice of each country are shared among all participants through a presentation of Inception Report followed by discussions.</p>	<ul style="list-style-type: none"> • Inception Report presentation • Exchange comments and opinions among participants and lecturers 	<p>Presentation Discussion</p>
<p>Module2: To understand the method to strengthen human and institutional capacity on functional SWM at the administrative level (central and local government).</p>	<ul style="list-style-type: none"> • Solid waste management and waste reduction plan in Nishinomiya City • Composting at retailers, plastic and paper waste recycling, a compactor production manufacturer, green waste treatment and a waste-free factory so on. 	<p>Read and watch materials Lecture Q&A session</p>
<p>Module3: To understand the methodologies to make a sustainable society through SWM activities carried by local government and communities in Japan.</p>	<ul style="list-style-type: none"> • Waste and Environmental education at a nursery or elementary school • Waste reduction efforts in household and communities • Environmental education and ESD (Education for Sustainable Development) 	<p>Read and watch materials Lecture Q&A session</p>

<p>Module4: Action plan concerning measures to build a sound material-cycle society at local, wide-area or national level is formulated.</p>	<ul style="list-style-type: none"> • Instruction for action plan formulation 	<p>Consultation Presentation Discussion</p>
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III. Eligibility and Procedures

1. Expectations for the Applying Organizations:

- (1) This course 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) This course is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the course 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 said issues or problems, 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:
 - Officers of local government/municipality and/or regional government who are in charge of SWM,
 - Officers of central government and governmental agencies which support local and regional government for improvement of SWM, and/or
 - Staff of other organizations such as NGOs and/or public corporations which are engaged in SWM at local level
- 2) Experience in the Relevant Field: have more than 3 years' experience in the field of solid waste management or have equivalent level of knowledge.
- 3) Educational Background: be a graduate of university or equivalent
- 4) Language Proficiency: have a competent command of spoken and written English which is equal to TOEFL iBT 100 or more (This KCC program includes active participation in discussions, which requires high competence of English

ability. Please attach an official certificate for English ability such as TOEFL, TOEIC etc., if possible.)

- 5) Online self-study environment and technical proficiency
 - a. can spend around one to two (1-2) hours per week for learning materials designated by the course tutors.
 - b. can contact regularly with Japanese tutor/lecturer by e-mail without serious obstacles
 - c. can have commitment with self-discipline for studying planned learning contents and contribute to the knowledge exchanging among the participants.
 - d. If internet access charge would be incurred for this program, it shall be borne by the participating organization or participant her/himself.

*Technical Requirements for the online self-study (Computer)

Technology Proficiency:

-Basic computer skills such as, sending/receiving email with attachments, and using a web browser.

-Online self-study materials may be delivered using the following services, Cloud Storage (Google Workplace, Gigapod), and YouTube. (Online tutorial and support by JICA will be limited. The ability to be self-directed in learning new technology skills are required.)

Internet Connection:

-High Speed Broadband Connection (at least 2Mbps).

Hardware (Minimum Requirement):

-Regular access to a computer, either from your home or from your office.

-Operating System: Windows or Mac OS (Updated version is preferred).

-Processor: Intel Core 2 Duo or higher; 2GHz or higher

-Memory: 4GB of RAM or higher

-Hard Drive Space: 5GB free disk space

-Browser: Google Chrome is preferred browser. (Edge, Firefox, Safari can be used)

*In some cases, Smartphone (Android OS or Apple iOS) can be used as substitute of PC.

Software :

-Microsoft office, PDF reader (e.g. Adobe, movie player)

(which may be required):

-Zoom Client for Meeting (<https://zoom.us/download>)

*In case you are using your office computer and use of Zoom is not authorized by your IT administrator, please notify JICA at the time of application.

- 6) Health: must be in good health to participate in the program.

- 7) Distance learning environment:
- a. can spend around one to three (1~3) hours per day for learning materials designated by the course tutors.
 - b. can contact regularly with Japanese tutor/lecturer by e-mail without serious obstacles.
 - c. can have commitment with self-discipline for studying planned learning contents and contribute to the knowledge exchanging among the participants.

(2) Recommendable Qualifications :

- 1) Age: between the ages of twenty-six (26) and fifty (50) years old
- 2) Gender Equality and Women's Empowerment: Women are encouraged to apply for the program. JICA makes a commitment to promote gender equality and women's empowerment, providing equal opportunities for all applicants regardless of their sexual orientation or gender identity.

3. Required Documents for Application:

(1) Application Form: The Application Form is available at **the JICA overseas office (or the Embassy of Japan).**

(2) Photocopy of Passport or ID: You should submit it with the application form.

*The following information should be included in the photocopy:

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

(3) English Score Sheet (photocopy): to be submitted with the application form, if the nominees have any official English examination scores. (e.g., TOEFL, TOEIC, IELTS)

(4) Inception Report: to be submitted together with Application Form.

Inception Report will be used for screening. Application Form without completed Inception Report will not be considered as duly qualified.

Please refer to **VI. Annex 1** of this General Information.

(5) Internet Environment questionnaire: to be submitted together with Application Form. It will be used to know your internet environment and prepare for smooth operation of online self-study program.

Please refer to **VIII.ANNEX 3** of this General Information.

4. Procedures for Application and Selection :

(1) Submission of the Application Documents:

Closing date for applications: **Please confirm the local deadline with JICA overseas office (or the Embassy of Japan).**

(All required material must arrive at **JICA Center in JAPAN by December 9, 2022**)

(2) Selection:

Primary screening is conducted at JICA 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:

JICA overseas office (or the Embassy of Japan) will notify the result **not later than December 23, 2022**.

5. Additional Document(s) to Be Submitted by Accepted Participants

Accepted participants are required to prepare an Inception Report (Please see of Inception Report Presentation in V. ANNEX 1 (p.11) for details.

6. Conditions for Participation

The participants of KCCP are required

- (1) to strictly observe the course schedule,
- (2) not to change the program topics,
- (3) not to record or share the online contents without JICA's permission,
- (4) to comply with the use conditions of copyrighted works by each copyright holder, when using texts and other materials distributed for KCCP.

IV. Administrative Arrangements

1. Organizer (JICA Center in Japan):

(1) **Center:** JICA Kansai Center (JICA Kansai)

(2) **Program Officer:** Ms. MIWAKI Ayumi (Miwaki.Ayumi@jica.go.jp)

Mr. SHIMIZU Yoshitomo (Shimizu.Yoshitomo3@jica.go.jp)

2. Implementing Partner:

(1) **Name:** Learning and Ecological Activities Foundation for Children (LEAF)

(2) **URL:** <http://leaf.or.jp/english/etop.htm>

V. Other Information

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

VI. ANNEX 1: Inception Report

This Inception Report is considered to be very useful not only for adjusting the details of program items to fit for the needs of each participant but also for understanding the different situations among the participating organizations/countries.

The volume may be no more than 10 pages of slide or 1,500 words.

This Inspection Report is required to be submitted with the Application Form. Inception Report will be used for screening of applicants, and application without completed Inception Report will not be considered as dully qualified.

Required Contents in Inception Report

(1) Name of applicant and email address

(2) Name of your organization, department and your professional job status

* * Please attach an organizational chart and indicate the division which you belong to.

(3) Detailed description of your duties

(4) Current situation and problems/issues in your country regarding promotion of SWM.

Please also describe actions or countermeasures being taken in your organization to deal with the such situation.

* Please describe the existing practical programs for solving said problems and cooperative relationships among citizen, administration and industry.

<An example of items>

- Current situation of solid waste management
- Legislative and administrative systems for SWM
- Quantity and composition (Organic, plastic...) of municipal waste discharge,
- Systems and methodologies of collection, transportation, intermediate treatment, storage, final disposal
- Effort for 3R promotion (reduce, reuse, recycle) and promotion of citizen awareness/ participation
- Collaboration with private enterprises and so on.

(5) Subjects in the curriculum of this program that you would like to learn and you think important for your job

Inception Report Presentation (ONLY FOR ACCEPTED PARTICIPANTS)

The presentation of the Inception Report for about 15 minutes per participant will be carried out at the beginning of the program in Japan. The detail will be later informed to the accepted participants.

VII. ANNEX 2: Action Plan

What is Action Plan?

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

The purpose of its preparation is to identify a specific waste management 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, an Action Plan should be both concrete and practical. We recommend each participant to make an Action Plan by using the existing human and financial resources in each organization in the most efficient and effective way possible.

<Contents of Action Plan (Example)>

- a. Title
- b. Outline of (1) Target area and (2) Your office
- c. Problems and causes
- d. Stakeholders
- e. Lessons learned from the Japan's experiences
- f. Objective (Final Goal)
- g. Activities & Responsible Organizations
- h. Your own role in the Project
- i. Budget amount
- j. Schedule
- k. Others

For this purpose, it is suggested that accepted participants have prior discussions on the possible topic for Action Plan within his/her organization before departure.

Participants are also highly recommended to consult his/her supervisors (e.g. through e-mail) from time to time on the contents of Action Plan during the program in Japan.

<p>Note: Participants will have more detailed guidance during the online self-study and the program in Japan.</p>

VIII. ANNEX 3: Personal Computer Skill and Internet Environment

Questionnaire on Internet condition

Because internet condition is different from country to country, please check all you think applicable for your home, working place or other place where you will study the distance learning materials of the course.

This sheet is required to be submitted with the Application Form.

(1) Can you use a following system whenever you need to study online?

Internet environment Yes No

Desktop or laptop PC Yes (OS version: _____) No

Microphone Yes No

Web Camera Yes No

Smartphone Yes No

(2) Have you ever attend online-learning program?

Yes (When: _____ , Organizer: _____)

No

(3) Do you have Google account (Gmail address)?

Yes

No, but I will create it if necessary

No, and I can't create it (Reason: _____)

(4) Please choose an online system you have used before. (Choose all applicable)

Zoom Skype Teams Google Drive Google Form You tube

Other (_____)

(5) Can you watch a video with one to two hours length through one of applicable media listed above in your PC without serious problem?

Yes

Yes, and I can view more

No (Reason: _____ , Desirable frequency: _____)

(6) Do you have an email address available for communicating with the Japanese lecturers ?

Yes

No (Reason: _____)

(7) Any concerns or questions:

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.



CORRESPONDENCE

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

Further, address correspondence to:

JICA Kansai Center (JICA Kansai)

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

TEL: +81-78-261-0341/0383 FAX: +81-78-261-0465