



Knowledge Co-Creation Program (Group & Region Focus)

General information on

Designing of E-Waste Management

課題別研修「E-WASTE 対策」

JFY 2022

Course No.: 202107938J001

Online Program: From March 31, 2023 to April 28, 2023

Program in Japan: From June 27, 2023 to July 12, 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

Electronics and electrical machinery waste (hereinafter “E-waste”) contain lead, cadmium, zinc, mercury, and other toxic substances. The improper disposal of E-waste contributes to environmental problems such as soil and water pollution. On the other hand, the valuable substances and rare metals contained in E-waste are important in terms of sustainable resource usage and material recycling. The recycling of E-waste is increasingly important in recent years due to environmental concerns and in the interest of sustainable resource usage.

In developing countries, economic growth has stimulated individual consumption and seen increased purchases and replacement of electrical appliances. This has also resulted in many countries seeing higher disposal of unneeded electrical appliances and being unable build an adequate recycling system.

Japan has a certain level of advanced experience with E-waste recycling policies, having been implementing initiatives based on the Law for Recycling of Specified Kinds of Home Appliances since 2001, and featuring unique systems such as producer responsibility and the manifest system. Drawing on this experience, there is a need for Japan to assist developing countries in Asia and elsewhere establish the systemic framework for proper E-waste management.

The E-waste product types covered by this training include air conditioners, televisions, electrical refrigerators, electric washing machines, mobile phones, and personal computers.

For what?

In this program, participants learn about regulations on household E-waste as well as associated management mechanisms and the current state thereof, building on a comparison of systems between Japan, Taiwan, Europe, and elsewhere. They also study sustainable, effective E-waste countermeasures as appropriate for the state of affairs in each country participating in the training.

For whom?

This program is offered to officers of central government and other public organizations engaged in development of E-waste policy or solid waste management.

How?

Participants shall have opportunities to acquire fundamental knowledge of E-waste management through lectures, observation, presentation and discussion.

Additionally, participants will consider what type of analysis is needed to create sustainable, effective E-waste management systems as appropriate for the state of affairs in each country participating in the training, and create an action plan containing a proposal for E-waste management systems and a draft roadmap towards the implementation of those systems.

II. Description

1. Title (Course No.)

Designing of E-Waste Management (202107938J001)

2. Course Duration in Japan

Online Program : From March 31, 2023 to April 28, 2023

Program in Japan : From June 27, 2023 to July 12, 2023 (to be confirmed)

3. Target Regions or Countries

Brazil, Egypt, Indonesia, Mongolia, and Palestine

4. Eligible / Target Organization

This program is designed for officers of central government and other public organizations engaged in development of E-waste policy or solid waste management.

5. Capacity (Upper Limit of Participants)

5 participants

6. Language

English

7. Objective(s)

- 1) To understand, through a comparison of systems between countries, the regulations on household E-waste as well as associated management mechanisms in Japan, Taiwan, Europe, and elsewhere.
- 2) To consider what type of analysis is needed to create sustainable, effective E-waste management systems as appropriate for the state of affairs in each country participating in the training, and to propose the systems (policies, regulations, and social consensus) required for E-waste countermeasures in one's own country.

8. Overall Goal

Through implementation of formulated action plans, E-waste management of participant's countries is improved.

9. Output and Contents

Module outputs are shown in the figure 1 "Module Outputs."

Contents and schedule / days of program are shown in the figure 2 "Tentative Schedule of Program".

During the program in Japan, participants are required to make an action plan for planning of future E-waste management, in order to solve issues in their home countries after they will return.

At the final stage of the program, the participants are requested to present their action plan.

Participating organizations are responsible to support the participants for sharing the knowledge within the organization and seeking a possibility of implementation of the action plan.

Figure 1

“Module Outputs”

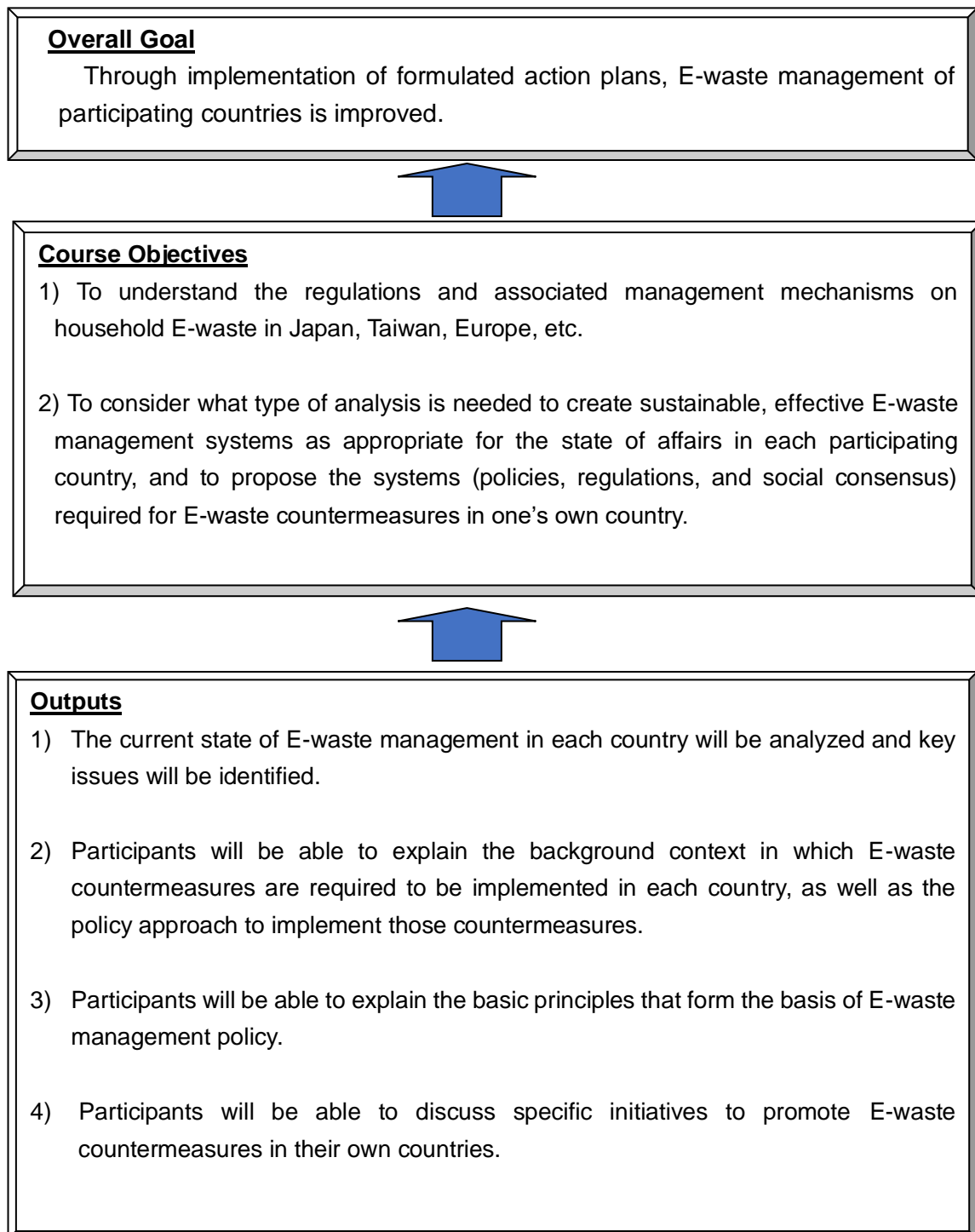


Figure 2

“Tentative Schedule of Program”

Online Phase in home country	
Duration	Subject
31-Mar. to 28 Apr. (approximately 5 days of this period)	<ul style="list-style-type: none"> - On-Demand lecture - Online live discussion via Zoom - Make a Country Report

Core phase in Japan		*Subject to change
Date	Type	Subject
27-Jun		- Arrival in Japan
28-Jun		<ul style="list-style-type: none"> - Briefing session / Opening ceremony - Program orientation
29- Jun	Exercise	- Presentation & discussion on Country Report
30-Jun	Lecture Observation Exercise	- E-waste issues and background context
1-Jul		- Comparison and analysis of E-waste regulations and policies, funding mechanisms, the introduction of management systems, operations-related initiatives, public-private cooperation, and other issues in Japan and other major countries
2-Jul		
3-Jul		
4-Jul		- Identification of policies and consideration of implementation measures towards building sustainable E-waste management systems, in terms of organization, personnel, funding, and technology
5-Jul		
6-Jul		- Through group discussion, the organization, identification of issues, understanding of needs, and classification into patterns of E-waste policy and management systems in each country
7-Jul		
8-Jul		- Observation tours of recycling-related facilities
9-Jul		- Formulation of action plan (outlines of regulations and management mechanisms, and the drafting of a roadmap to the achievement thereof)
10-Jul	Exercise	- Presentation on Action Plan
11-Jul		<ul style="list-style-type: none"> - Evaluation meeting - Closing Ceremony - Farewell Party
12-Jul		- Departure from Japan

III. Eligibility and Procedures

1. Expectations to 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.

2. Nominee Qualifications

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

(1) Essential Qualifications

- 1) Current Duties:
Officers in central / local government and other public organizations, in charge of E-waste policy or waste management.
- 2) Experience in the Relevant Field:
have more than 3 years' experience in the field of solid waste management
- 3) Educational Background:
be a graduate of university, majoring in civil, environmental, chemical and other engineering, or the equivalent
- 4) Language Proficiency:
have a competent command of spoken and written English proficiency
(Please attach an official certificate for English ability such as TOEFL, TOEIC etc, if possible)
- 5) Health:
must be in good health to participate in the program in Japan. To reduce the risk of worsening symptoms associated with respiratory tract infection, please be honest to declare in the Medical History (QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION of the application form) if you have been a patient of following illnesses; Hypertension / Diabetes / Cardiovascular illness / Heart failure / Chronic respiratory illness.
- 6) PC skills:
having internet communication skill using Zoom and Email is essential. Also having basic computer skills of Microsoft Word, Excel and Power Point is desirable because this program have many exercises to prepare the reports and presentation materials by computer.
- 7) Hardware and Network environment:
Stable enough to use Zoom, YouTube, Google applications and other web

based tools for the online program using PC, tablet or smartphone. If there are any concerns of hardware and network environment, please contact the JICA office in each country.

(2) Recommended Qualifications

- 1) Age: Over thirty (30) years old in principal
- 2) Gender Equality and Women's Empowerment: <1>Women are encouraged to apply for the program. JICA is committed to promoting gender equality and women's empowerment, and provides equal opportunities for all applicants regardless of their sexual orientation or gender identity. /<2>JICA seeks more female applicants due to the past records of fewer applications from women. JICA is committed to promoting gender equality and women's empowerment, and provides 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: You should submit it 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.

*The following information should be included in the photocopy:

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

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

4. Procedures for Application and Selection

(1) Submission of the Application Documents

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

(All required material must arrive at **JICA Center in Japan** by March 27, 2023)

(2) Selection

Primary screening is conducted at the JICA overseas office (or the embassy of Japan) after receiving official documents from your government. JICA Center will consult with concerned organizations in Japan in the process of final selection. Applying organizations with the best intentions to utilize the opportunity will be highly valued.

The Government of Japan will examine applicants who belong to the military or other military-related organizations and/or who are enlisted in the military, taking into consideration of their duties, positions in the organization and other relevant

information in a comprehensive manner to be consistent with the Development Cooperation Charter of Japan.

(3) Notice of Acceptance

The JICA overseas office (or the Embassy of Japan) will notify the results **not later than March 30, 2023.**

5. Conditions for Participation

The participants of KCCP are required

- (1)** to strictly observe the course schedule,
- (2)** not to change the air ticket (and flight class and flight schedule arranged by JICA) and lodging by the participants themselves,
- (3)** to understand that leaving Japan during the course period (to return to home country, etc.) is not allowed (except for programs longer than one year),
- (4)** not to bring or invite any family members (except for programs longer than one year),
- (5)** to carry out such instructions and abide by such conditions as may be stipulated by both the nominating Government and the Japanese Government in respect of the course,
- (6)** to observe the rules and regulations of the program implementing partners to provide the program or establishments,
- (7)** not to engage in political activities, or any form of employment for profit,
- (8)** to discontinue the program, should the participants violate the Japanese laws or JICA's regulations, or the participants commit illegal or immoral conduct, or get critical illness or serious injury and be considered unable to continue the course. The participants shall be responsible for paying any cost for treatment of the said health conditions except for the medical care stipulated in (3) of "5. Expenses", "IV. Administrative Arrangements",
- (9)** to return the total amount or a part of the expenditure for the KCCP depending on the severity of such violation, should the participants violate the laws and ordinances,
- (10)** not to drive a car or motorbike, regardless of an international driving license possessed,
- (11)** to observe the rules and regulations at the place of the participants' accommodation, and
- (12)** to refund allowances or other benefits paid by JICA in the case of a change in schedule.

IV. Administrative Arrangements

1. Organizer (JICA Center in Japan)

(1) **Center:** JICA Yokohama Center (JICA YOKOHAMA)

(2) **Program Officer:** Mr. NODA Norie (yicctt1@jica.go.jp)

2. Travel to Japan

(1) **Air Ticket:** In principle, JICA will arrange an economy-class round-trip ticket between an international airport designated by JICA and Japan.

(2) **Travel Insurance:** Coverage is from time of arrival up to departure in Japan. Thus traveling time outside Japan (include damaged baggage during the arrival flight to Japan) will not be covered.

3. Accommodation in Japan

JICA will arrange hotel(s) for the participants.

4. Expenses

The following expenses in Japan will be provided by JICA

(1) Allowances for meals, living expenses, outfits, and shipping and stopover.

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

(3) Medical care for participants who become ill after arriving in Japan (the costs related to pre-existing illness, pregnancy, or dental treatment are not included).

(4) Expenses for program implementation, including materials.

(5) 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.

*Link to JICA Website (English/French/Spanish/Russian):

https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/index.html

5. Pre-departure Orientation

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

Part I: Knowledge Co-Creation Program and Life in Japan	
English ver.	https://www.youtube.com/watch?v=SLurfKugrEw
French ver.	https://www.youtube.com/watch?v=v2yU9ISYcTY
Spanish ver.	https://www.youtube.com/watch?v=m7I-WIQSDjl
Russian ver.	https://www.youtube.com/watch?v=P7_ujz37AQc
Arabic ver.	https://www.youtube.com/watch?v=1iBQqdpXQb4

Part II: Introduction of JICA Centers in Japan	
JICA Hokkaido (Sapporo)	https://www.jica.go.jp/sapporo/english/office/index.html
JICA Hokkaido (Obihiro)	https://www.jica.go.jp/obihiro/english/office/index.html
JICA Tohoku	https://www.jica.go.jp/tohoku/english/office/index.html
JICA Tsukuba	https://www.jica.go.jp/tsukuba/english/office/index.html
JICA Tokyo	https://www.jica.go.jp/tokyo/english/office/index.html
JICA Yokohama	https://www.jica.go.jp/yokohama/english/office/index.html
JICA Hokuriku	https://www.jica.go.jp/hokuriku/english/office/index.html
JICA Chubu	https://www.jica.go.jp/chubu/english/office/index.html
JICA Kansai	https://www.jica.go.jp/kansai/english/office/index.html
JICA Chugoku	https://www.jica.go.jp/chugoku/english/office/index.html
JICA Shikoku	https://www.jica.go.jp/shikoku/english/office/index.html
JICA Kyushu	https://www.jica.go.jp/kyushu/english/office/index.html
JICA Okinawa	https://www.jica.go.jp/okinawa/english/office/index.html

If the link of these YouTube URLs has expired, please access the URL below and search the necessary information from the key word.

<https://www.youtube.com/user/JICAChannel02>

V. Other Information

1. Laptop personal computer:

During the course, there are occasions of making reports. It is highly recommended to bring your laptop personal computer at your convenience.

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 the Embassy of Japan. Further, address correspondence to:

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