

Knowledge Co-Creation Program (Group & Region Focus)

General information on

Waste Management towards Control of Marine Litter (B)

課題別研修「海洋ごみ対策のための廃棄物管理 (B)」

JFY 2023

Course No.: 202210194J001

Course Period in Japan: From September 27, 2023 to October 28, 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

As marine litter is cross sectional issue from various aspects, such as sources, impacts and countermeasures. It is wellknown that the main sources of marine litter are land based and mismanaged waste.

To promote countermeasures globally, it is important to supplement the developing countries' experience in environmental management. The aim of this course is to further the understanding of latest Japanese and global efforts and measures to mitigate impacts by marine litter and create implementation plan for their own countries.

For what?

Through a series of lectures, Discussions, Presentations and Site visits, this course will further the participants' understanding of measures adopted in Japan and globally to manage marine litter and help them identify actions their countries could undertake to address this issue.

For whom?

This course is designed for officers of administrative organizations related to waste management including marine litter (Central/Local government or related organizations).

How?

Participants shall have opportunities to identify their critical issues to be solved on marine litter in their countries. Participants will also formulate an action plan describing what the participant will do after they go back to home country putting the knowledge and ideas acquired and discussed in Japan among others into their on-going activities.

II. Description

1. Title (Course No.)

**Waste Management towards Control of Marine Litter (B)
(202210194J001)**

2. Course Duration in Japan

September 27 to October 28, 2023

3. Target Regions or Countries

Brazil, Dominican Republic, Egypt, Jamaica and Mexico

4. Target Organization

This program is designed for Administrative organizations related to waste management including marine litter (Central/Local government or related organizations)

5. Capacity (Upper Limit of Participants)

5 participants

6. Language

English

7. Objective

Through a series of lectures and site visits, increase the participants' understanding of measures adopted in Japan and globally to control marine litter and help them identify actions their countries could undertake to address this issue.

8. Output and Contents

This course consists of the following components.

Expected Output

1. To understand international frameworks and discussion trends on marine litter management.
2. To understand the policies, legal system, technology, experience, and implementation strategies of Japan's marine litter management, which contributes to the control of marine litter inland and sea areas of the country.
3. To understand the roles and coordination strategies of public and private stakeholders in tackling to marine litter.
4. To understand current methods of data collection survey, analysis and monitoring on marine litter.
5. To create an action plan on marine litter for the participants' organization.

Subjects/Agendas

- Report presentation and discussions.
- Policies, legal system of waste disposal and resource circulation in land area and related efforts.
- Current situation of measures against marine litter derived from the sea.
- Current status of drifting waste countermeasures.
- Initiatives and actions by the international community and Japan regarding the issue of marine litter.
- Research trends for understanding the current situation of marine litter.
- Actions of the private sector contributing to marine litter solution, such as development of plastic-replacing materials
- Initiatives for public participation promotion on marine litter measures.
- Cooperation between the public and private sectors in combating marine litter.
- Survey of current status, analysis, and monitoring methods for marine litter.
- Action plan development and presentation.

<Reference: Program Schedule in previous year (2022)>

Date	Type	Activity	
Online Program			
*Oct 3-14 •Cooperation for Marine Plastic Waste •SDGs and International Environmental Issues •Presentation on job-report •Theory on Resource Circulation: Current situation and measures regarding marine litter in Japan •Policy measures for plastic resource circulation based on Circular Economy •Waste management towards circular society •Waste management policy and its implementation towards resource-circulating society •Basic knowledge of plastics and plastic resource circulation •Marine conservation and marine debris/plastics •Measures for marine litter over cooperation •Current Situation of Measures against Objects Washed Ashore and Future Measures •Transition from Conventional Waste Management Policies to Resource Recycling Policies by Local Government •Linkage between Marine Plastic Litter Countermeasures and Resource Recycling Policies •Improving society's environmental awareness through education •Education towards behavior change and collaboration among various stakeholders •Let's Protect the Global Environment !! Learning from Yokkaichi Pollution •Monitoring and quantification of marine litter using IoT and AI •Measurement and analysis of marine litter and identified issues •Economic and industrial policy for reducing marine litter and promoting resource circulation •Latest plastic recycling technology and role of plastics in the sustainable society •Issues on development of recycling technology and effective measures •Bioplastics Overview •Life Cycle Assessment for ensuring Sustainable Consumption and Production Patterns •Spread of LCA to academia, industries, policy makers •Promotion of measures against marine plastic waste through public-private partnership (PPP) and cooperation between companies •Research on marine litter and conservation activities on coastal area in Mie Prefecture			
Program in Japan			
Nov 18th	Fri		Orientation
19th	Sat		
20th	Sun		
21st	Mon	D	Sharing summary of Report-back Session after Online Program
		D	Workshop on problem-solving towards production of action plan
22nd	Tue	V	Recycling of wasted plastic containers and packaging (1: Compression packaging of plastics)
		V	Recycling of wasted plastic containers and packaging (2: Pelletization)
		V	Recycling of wasted plastic containers and packaging (3: Remanufacturing)
		V	Segregation of recycables by local people
23rd	Wed	V	Aquaculture and marine environment
		V	Facilitation of recycling by local people
		V	Upcycling of maine plastic litter
		V	Marine education and raising environmental awareness through local museum
24th	Thu	L	Countermeasures for marine litter in Toba city
		L	Fishery, marine environmental education, and marine litter in Toba city
		L	Environmental conservation in a SDGs Future City
		V	Initiatives towards SDGs at National Park
25th	Fri	V	Management of marine litter at port (1: Function of port)
		L	Management of marine litter at port (2: Collection and treatment of wastes from ships)
		V	Management of marine litter at port (3: Collection and treatment of drifting marine litter)
		D	Monitoring and quantification of river plastic litter using IoT and AI
26th	Sat		
27th	Sun		

Date		Type	Activity
28th	Mon	L	Waste management and measures for resource circulation to control marine litter in ASEAN countries
		L	Technology to upcycle wastes from fishery: Recycling wastes fish gear to materials for fiber
		L	Waste management in community of developing countries
29th	Tue	V	Collection and recycling of food tray in cooperation with consumers
		V	Technology for material recycle of food tray
30th	Wed	L	Initiatives and efforts by industrial association towards collecting and recycling of PET bottles
		D	Current situation and issues on collecting and recycling PET bottles in ASEAN countries and way forwards
		V	Technology for horizontal recycling of PET bottles
Dec 1st	Thu	L	Contribution of chemical industry to control of marine plastic litter through development of marine biodegradable products
		V	Application of marine biodegradable material to products
		V	Challenges towards recycling wasted hard plastics
2nd	Fri	L	Contribution of academia towards building plastic-resource circulation society
		L	Research and development of plastic alternative material using wood natural resources
		L	Research and development of plastic alternative material using agricultural wastes
		V	3R activities initiated by students
		D	Workshop on process for policy making
3rd	Sat	D	Networking meeting with Japanese private entities with environmental technology and projects
4th	Sun	D	Survey on marine litter through beach clean-up activity
		L	Beach clean-up activity and environmental education by NGO
5th	Mon	D	Workshop on Education for SDGs: Enhancement of environmental awareness of society through education
		L	Activities for reducing plastic wastes in cooperation with various stakeholders
6th	Tue	D	Production of action plan
		D	Consultation to action plan
7th	Wed	D	Consultation to action plan
8th	Thu	L	Reviewing and summarizing the training course
		D	Production of material for Presentation on Action Plan and Report-back Session after Program in Japan
		P	Presentation on Action Plan
			Evaluation Meeting, Closing Ceremony

L:Lecture, D:Discussion, V :Site Visit, P:Presentation

*No Online Program in JFY2023

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: officer/manager in charge of marine litter management
- 2) Experience in the Relevant Field: have more than 5 years' experience in the field of waste management including marine litter
- 3) Educational Background: be a graduate of university
- 4) Language Proficiency: have a competent command of spoken and written English proficiency equivalent to TOEFL iBT 100 or above (This workshop includes active participation in discussions, which requires high competence in English. 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.

(2) Recommended Qualifications

- 1) Age: between the ages of twenty-eight (28) and fifty (50) years
- 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) PC Skills: having basic computer skills of MS-Word, Excel and Power Point is desirable, because this program have a lot of exercises to prepare the reports and presentation materials by laptop.

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) Questionnaire: to be submitted with the application form. Fill in Annex 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 the JICA overseas office (or the Embassy of Japan).**

(All required material must arrive at **JICA Center in Japan** by **August 10, 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 September 01, 2023.**

5. Additional Document to Be Submitted by Accepted Candidates

Accepted candidates are required to prepare an Inception Report before their departure.

6. 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 Chubu Center

(2) **Program Officer:** Ms. SAITO Mihoko

(cbictp1@jica.go.jp, Saito.Mihoko@jica.go.jp)

*Please insert the course number "202210194J001" in the subject.

2. Implementing Partner

Name: To be confirmed

3. 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.

4. Accommodation in Japan

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

JICA Chubu Center (JICA CHUBU)

Address: 4-60-7 Hiraike-cho, Nakamura-ku, Nagoya, Aichi 453-0872, Japan

TEL: +81-52-533-0220 FAX: +81-52-564-3751

(where "81" is the country code for Japan, and "52" is the local area code)

If there is no vacancy at JICA CHUBU, JICA will arrange alternative accommodation for the participants.

5. 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 "KENSHU-IN GUIDE BOOK," which will be given before departure for Japan.

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

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

6. 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.

*YouTube of “Knowledge Co-Creation Program and Life in Japan” and “Introduction of JICA Center” are viewable from the link below.

Image videos of 'Introduction of JICA Center (YouTube)' show the following information of JICA Centers: Location, Building, Entrance, Reception(Front desk), Lobby, Office, Accommodation(Room), Amenities(Hand dryer), Bathroom(Shower and Toilet), Toiletries, Restaurant, Laundry Room(Washing machine, Iron), ICT Room(Computer for participants), Clinic, Cash dispenser, Gym, Neighborhood

Part I: Knowledge Co-Creation Program and Life in Japan	
English ver.	https://www.youtube.com/watch?v=SLurfKugrEw
Part II: Introduction of JICA Centers in Japan	
JICA Chubu	https://www.jica.go.jp/chubu/english/office/index.html

VI. Annex

Waste Management towards Control of Marine Litter (B) Questionnaire

This Questionnaire should be typed in English, and be (A4 size) 2 pages.

1. Basic Information

Name of Nominee	
Country	
Organization	
Position	
E-mail	

2. Organization Chart

*Attach your organization chart and indicate your department/ division.

3. Job Description

- (1) Your Duties
- (2) Waste management including marine litter you've been tasked
- (3) Difficulties in performing your activities

4. Subjects you're interested in the course in Japan

5. Message to JICA Chubu (if any)

END

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.



Contact Information for Inquiries

For inquiries and further information, please contact the JICA overseas office or the Embassy of Japan. Further, address correspondence to:

JICA Chubu Center (JICA CHUBU)