



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

## **GENERAL INFORMATION ON**

**Solid Waste Management in Islands Areas (B)**  
**課題別研修「島嶼地域における持続可能な廃棄物管理(B)」**

***JFY 2021***

**Course No. 201905748J002**

**Course Period : From December 1st, 2021 to January 5th, 2022**

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 (KCC) Program**

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**

In islands countries, although the solid waste management is been observed as a preferential topic, technical measures to the issues have not been yet directed. Due to limitation of land space, it is said that most of the landfill will be filled to capacity within few years, so that to tackle with appropriate solid waste management is been required urgently.

This course has contents based on the experience of Okinawa which had overcome various problems on the solid waste management. Okinawa prefecture which had similarities with island countries states to be the place for training. In concrete, Okinawa is an aggregation of islands, isolated environment and sub-tropical climate.

Furthermore, Okinawa is leading prefecture in promoting re-cycling such as trash separation and public awareness raising activities.

This training aims to make participants understand the necessity and learn the techniques of **sustainable solid waste management in islands**, and to utilize it for planning and implementing appropriate solid waste management in respective organizations and countries.

## **For what?**

This program aims to direct the issues on sustainable solid waste management in small islands which participating organization are facing, and to formulate the practical measures to the issues.

## **For whom?**

This program is offered to those who work in the field of solid waste management.

## **How?**

Participants shall have opportunities in Japan to have a lecture, observation and exercise on activities, present situation and constraints of solid waste management in respective countries and Japan.

Participants will also formulate an action plan on how to achieve sustainable solid waste management based on the issues in respective countries, putting the knowledge and ideas acquired and discussed in Japan.

## II. Description

**1. Title (Course No.):**

Sustainable Solid Waste Management in Islands Areas (B) (201905748J002)

**2. Course Period**

December 1st, 2021 to January 5th, 2022

**3. Target Regions or Countries**

Antigua and Barbuda, Bahamas, Barbados, Belize, Comoros, Cuba, Guyana, Jamaica, Mauritius, Trinidad and Tobago, Saint Lucia, Saint Christopher and Nevis

**4. Eligible / Target Organization**

Organization in the field of solid waste management such as central/local government, public utilities, NGO

**5. Course Capacity (Upper limit of Participants)**

12 participants

**6. Language to be used in this program**

English

**7. Course Objective:**

The objective of the course is that participants sort out present issues of sustainable solid waste management by utilizing the knowledge and techniques acquired through the course, and formulate an action plan for improving the situation in respective organizations.

**8. Overall Goal**

Sustainable strategies for solid waste management will be formulated in participating organization.

**9. Expected Module Output and Contents:**

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

<b>(1) Preliminary Phase</b>	
<i>Participating organizations make required preparation for the Program.</i>	
Expected Module Output	Activities
Job report	<ul style="list-style-type: none"> <li>- Analysis of current issues</li> <li>- Formulation and submission of Job report in accordance with ANNEX</li> </ul>

  

<b>(2) Core Phase</b>	
Expected Module Output	Subjects/Agendas
(1) To learn appropriate technologies for solid waste management in island areas	<ul style="list-style-type: none"> <li>- Appropriate technologies for solid waste management in island areas (Vol. 1, 2)</li> <li>- Case study of ex-trainees activities (Vol. 1, 2)</li> <li>- Semi-aerobic sanitary landfill</li> </ul>

(2) To learn the knowledge, techniques and experiences of Naha city, Okinawa Prefecture and Japan	<ul style="list-style-type: none"> <li>- History and challenges for solid waste management in Naha city</li> <li>- Administration, systems, laws and regulation in Japan and Naha city</li> <li>- Waste composition research and analysis</li> <li>- Safety measures for garbage collection</li> <li>- Solid waste management in remote islands in Okinawa prefecture</li> </ul>
(3) To learn the method for public awareness and issues of marine debris	<ul style="list-style-type: none"> <li>- Public awareness raising activities for solid waste management (Vol. 1, 2)</li> <li>- Marine debris, Micro plastics</li> </ul>
(4) To formulate an action plan	<ul style="list-style-type: none"> <li>- Analysis on the adoption and adaptation of the acquired knowledge to each country</li> <li>- Formulation of action plan</li> </ul>

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## 【Contents of the Online Program】

\*This tentative schedule may be subject to change.

### < Online Live Discussion Session >

Participants are requested to attend the following live discussion session **through video conference system**.

1 session will be Two (2) or Three (3) hours.

Time will be fixed considering the time difference.

- December 1st (Wed) : Self-introduction and ice breaking, Course orientation
- December 8th (Wed) : Review of 1<sup>st</sup> week, Comparison and analysis of basic data of solid waste management in each participants' country
- December 14th (Tue) : Semi-aerobic sanitary landfill
- December 15th (Wed) : Review of 2<sup>nd</sup> week, Guidance for formulation of action plan
- December 22nd (Wed) : Review of 3<sup>rd</sup> week, Discussion for formulation of action plan
- January 5th (Wed) : Action Plan Presentation

## < Video Materials >

Participants are requested to see the following video materials **through Youtube.**

\*Appropriately 40 - 60 minutes / 1 lecture

- 1<sup>st</sup> week

- (1) Appropriate technologies for solid waste management in island areas (Vol. 1, 2)
- (2) Case study of ex-trainees activities (Vol. 1, 2)

- 2<sup>nd</sup> week

- (1) History and challenge for solid waste management in Naha city
- (2) Administration, systems, laws and regulation in Japan and Naha city
- (3) Waste composition research and analysis
- (4) Safety measures for garbage collection
- (5) Solid waste management in remote islands in Okinawa prefecture

- 3<sup>rd</sup> week

- (1) Public awareness raising activities for solid waste management (Vol. 1, 2)
- (2) Marine debris, Micro plastics



### **III. Eligibility and Procedures**

#### **1. Expectations from the Participating 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: be engaged in the organization in the field of solid waste management such as central/local government, public utilities, NGO.
- 2) Experience in the relevant field: have at least 3 years of working experience in the field of solid waste management
- 3) Educational Background: be a university graduate or equivalent
- 4) Language: have a competent command of spoken and written English, since this training includes active participation in discussions among participants. Please attach an official certificate for English ability such as TOEFL, TOEIC, if possible)
- 5) PC with a web camera and internet access: be requested to arrange a PC with a web camera for online live sessions and with internet access to Youtube and Zoom.

#### **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:** to be submitted with the application form. If you do not possess it, you are requested to submit the photocopy of your official ID with clear description of Name, Date of birth, Nationality, and Sex.
- (3) Nominee's English Score Sheet:** to be submitted with the application form. If you have any official documentation of English ability. (e.g., TOEFL, TOEIC, IELTS)
- (4) Job Report:** to be submitted with Application Form. Formulate the report in accordance with 'ANNEX' of this General Information.

**\*Remarks: The Application Form and ANNEX must be computer-printed, not handwritten.**

#### **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).**

After receiving applications, the JICA office (or the Embassy of Japan) will send them to **the JICA Center in JAPAN** by **November 8th, 2021.**

##### **(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 November 12th, 2021.**

#### **5. Conditions for Attendance:**

The participants of KCCP are required.

**(1)** to strictly observe the program schedule.

## **IV. Administrative Arrangements**

### **1. Organizer:**

**(1) Name:** JICA Okinawa Center

**(2) Contact:** Mr. YASUMOTO Takafumi (oicctp@jica.go.jp)

### **2. Implementing Partner:**

General Incorporated Association Okinawa Citizens Recycling Movement

## **V. Other Information**

### **1. For your Information**

Information of Okinawa is available at following URLs.

- (1) Homepage of Urasoe city (where JICA Okinawa is located)

Urasoe city:

<http://honyaku.j-server.com/LUCURASOEC/ns/tl.cgi/http%3a//www.city.urasoe.lg.jp/?SLANG=ja&TLANG=en&XMODE=0&XCHARSET=utf-8&XJSID=0>

Basic information of Urasoe city is covered in English.

- (2) HP of Okinawa Prefecture:

<https://www.pref.okinawa.jp/site/chijiko/kohokoryu/foreign/english/index.html>

Basic information of Okinawa prefecture is covered (Urasoe city is one of the municipalities of Okinawa prefecture) in English.

- (3) HP of Okinawa Convention & Visitors Bureau:

<http://en.okinawastory.jp/>

- (4) YouTube channel of JICA Okinawa :

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

- (5) Facebook of JICA Okinawa :

<https://www.facebook.com/jicaokinawaoc/>



# VI. ANNEX

## JOB REPORT

### 1. Job Information

<b>1. Full Name</b>	[Family]	[First]	[Middle]
<b>2. Country</b>			
<b>3. Job description</b>			
<b>3-1. Description of your organization</b>			
<b>(1) Roles and responsibilities of your organization</b>			
<b>(2) Organization Chart</b>			
<p><i>Referring to the example, draw the chart of your organization and indicate your department / division/section with double line.</i></p> <p><i>(If it is difficult to incorporate into this form, you can attach Organization Chart separately.)</i></p>		<p style="text-align: center;">〈Organization Chart Example〉</p> <pre> graph TD     Ministry["Ministry of xxxxxxxxxxxxx"] --- Committee["xxxxxxxxxx Committee"]     Ministry --- D1["xxxxxxxxxx Department"]     Ministry --- D2["xxxxxxxxxx Department"]     Ministry --- D3["xxxxxxxxxx Department"]     D2 --- Div2["xxxxxxxxxx Division"]     Div2 --- Sec2["xxxxxxxxxx Section"]     style Sec2 stroke-width:4px     Sec2 --- Persons["xx Persons"]     </pre>	

<b>(3) Outlines of the present situation of solid waste management in your country</b>	
<b>(4) Solid waste management plan, if any</b>	
<i>If your country has a kind of solid waste management plan, please attach to this report.</i>	
<b>(5) Major problems and caused consequences that your country currently face in solid waste management</b>	
<b>3-2. Description of your job in your organization</b>	
<b>3-2-1. Present Job</b>	
<b>(1) Position</b>	
<b>(2) Main actual activities and their objectives</b>	
<b>(3) Related person or organization in activities (2)</b>	
<b>(4) Constraint / disincentive in performing of your job</b>	
<b>(5) Countermeasures taken (or, will be taken) against constraint / disincentive in (4)</b>	
<b>(6) Results (or expected effects) emerged through countermeasures in (5)</b>	

## ***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 Okinawa Center (JICA Okinawa)**  
**Japan International Cooperation Agency**

<https://www.jica.go.jp/okinawa/english/office/index.html>