



Knowledge Co-Creation Program (Group and Region Focus)

Acceleration/Promotion of Geothermal Energy Investment Opportunities



Course Number: 202107921J001

Course Period: 13 February - 22 February, 2023



NOTE: Adobe Acrobat Reader DC and Google Chrome are recommended as PDF viewer. JAWS and NVDA are recommended as screen reader.

NOTE: If there are any difficulties in reading this document, please contact JICA Office in your country or JICA Center in Japan.

NOTE: Depending on the circumstances, some or all of the program periods may be changed or cancelled after the application has been accepted.



GEO THERMAL?

Public or Private?



Outline



Opportunities to know the benefits, case studies, challenges, and existing solutions of geothermal IPP/PPP projects.

Discussion held between host countries, sponsors/investors, and financiers.

Expected to establish a new network between participants.



To be held in Japan, and carried out in English.

The period is from 13 February to 22 February, 2023.

Capacity:
10 participants



JICA Knowledge Co-Creation Program (KCCP)

The Japanese Cabinet released the Development Cooperation Charter in February 2015, stating 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 the foundation of a mutual learning process.

Table of Contents

For What?

(Background, Objectives)	6
--------------------------------	---

To Whom?

(Job Areas and Organizations, Targeted Countries)	6
---	---

When?

(Online Program Period, Face-to-Face Program Period)	7
--	---

Where?

(Venue of the Program)	7
------------------------------	---

How?

(Methodology, Language, Commitment to the SDGs)	8
(Program Structure)	9-10
(Instructors, Program Officer)	11

Eligibility and Procedures

(Expectations to the Applying Organizations, Nominee Qualifications)	12-13
(Required Documents for Application)	13
(Procedures for Application and Selection)	14
(Additional Document(s) to Be Submitted by Accepted Candidates)	15
(Conditions for Participation)	16

Administrative Arrangements

(Organizer, Travel to Japan, Accommodation , Expenses, Pre-departure Orientation) ...	17-19
---	-------

Annex

(Brief summary of your country)	20
---------------------------------------	----

For Your Reference

(JICA and Capacity Development, Japanese Development Experience)	21
--	----

Correspondence

(For Enquiries and Further Information)	23
---	----

For What?

Background

Since geothermal power generation, which is a renewable energy and can provide a stable power supply, is expected to be developed more by both private and public funds, JICA is cooperating with our partner countries to improve the policy, regulation and institutional capacity to attract private investment in geothermal IPP/PPP projects.

Objectives

This program offers opportunities to understand governmental role to promote private/public investment in geothermal development projects.

To Whom?

Job Areas and Organizations

This program is designed for executives who are deeply involved in the decision-making of geothermal project at governmental organizations, with more than three years of experience in the energy sector or with equivalent knowledge.

Applying organizations with the best intention to utilize the opportunity of this program will be highly valued in the selection.

Targeted Countries

Indonesia, Kenya, Ethiopia, Colombia, Peru, Saint Kitts and Nevis

When?

Face-to-Face Program



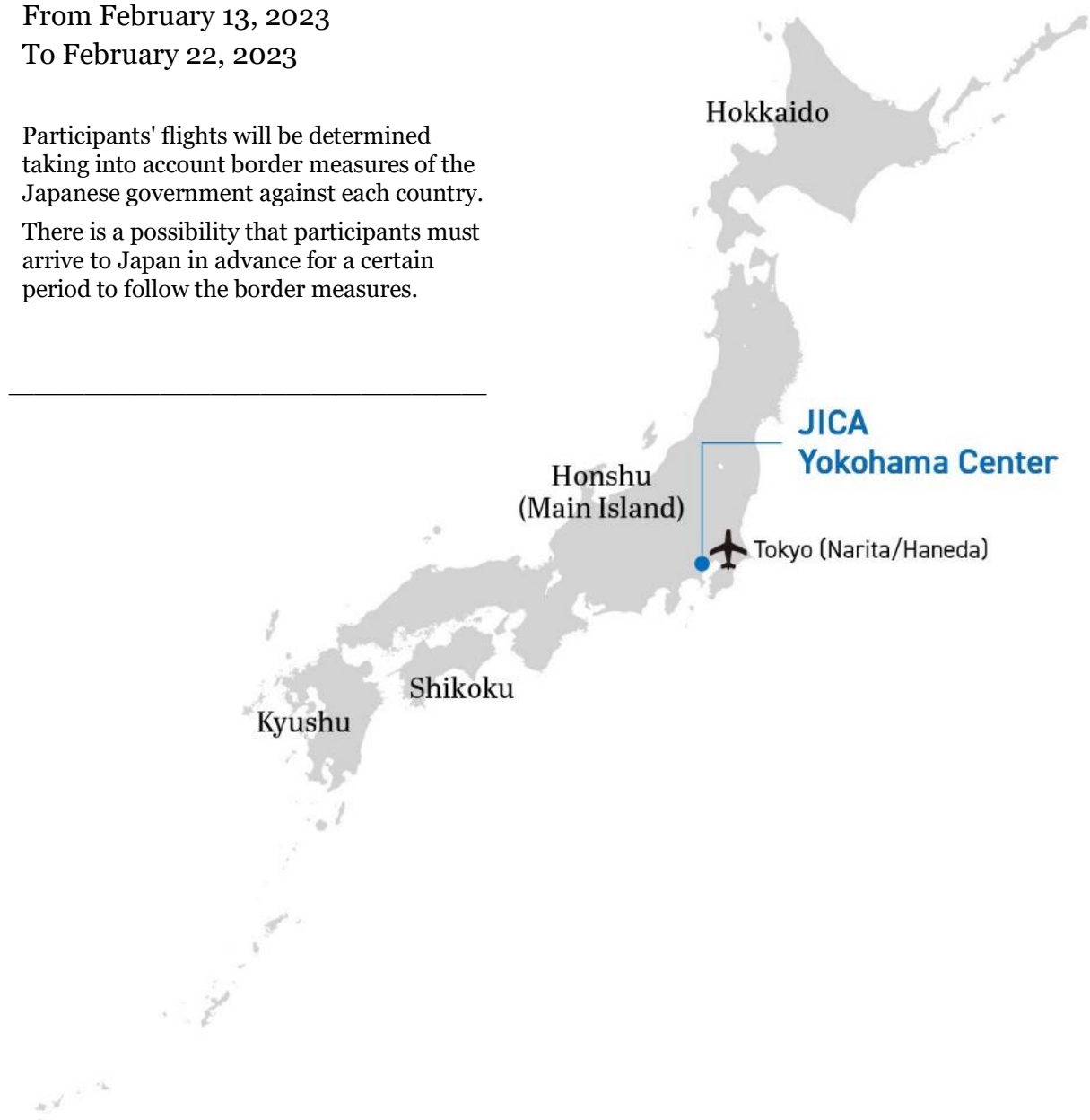
From February 13, 2023
To February 22, 2023

Participants' flights will be determined taking into account border measures of the Japanese government against each country. There is a possibility that participants must arrive to Japan in advance for a certain period to follow the border measures.

Where?

Organization

This course is carried out face-to-face, organized by JICA Yokohama Center.



How?

Methodology

- Listening to others' experiences
- Interactions
- Discussions
- Presentations



Listen



Interact



Discuss



Present

Language

English

Commitment to the SDGs



Program Structure(tentative)

Day 1 Program Orientation

- Introduction of JICA's cooperation in geothermal development
- Presentation of brief summary of your country

Day 2 HOST COUNTRY EXPERIENCE 1

For the 2-days case study, experienced speakers will share their experience of geothermal development using PPP scheme.

1. BOT scheme for geothermal projects, its benefit, results and challenges.
2. Legal, regulatory and contractual arrangement of PPP/BOT for geothermal development.

Day 3 HOST COUNTRY EXPERIENCE 1 (continued)

3. Specific technical and contractual consideration of PPP/BOT for geothermal development.
4. Policy and regulatory framework to promote private investment:
 - incentive for private investment
 - governmental role of private investment in geothermal sector

Day 4 SPONSOR and FINANCER perspectives

a. HOST COUNTRY EXPERIENCE 2

As the 2nd case study, experienced speakers will share their experience of geothermal operation using PPP scheme.

1. Technical role of host company.
2. Challenge of PPP scheme sharing public and private owned plants in one geothermal field.

b. SPONSOR EXPERIENCE

From the sponsor's side, guest speakers will share their experience and challenges in geothermal projects.

- IPP experience
- Difficulties in geothermal investment

c. FINANCER PERSPECTIVE

From the financier's side, guest speakers will share their perspective of PPP in the

geothermal sector

- Example of Financial structure in Kenya Menengai
- Security, DFI instrument for PPP
- Perspective of geothermal PPP

Day5 Excursion

- Geothermal turbine manufacturer
- Japanese culture and history (Kamakura City)

Day6 Discussion with guest speakers

- Interaction

The last interaction among participants and guest speakers regarding the following:

1. Theme of Host Country
2. Dialogue with Sponsor

- Action Plan

As a reflection of the program, participants will prepare their own action plan to promote public/private investment in geothermal development.

- Closing Ceremony

Management Members

Course Leader / Geothermal Development Senior Advisor

Mr. SUGIOKA Manabu

Japan International Cooperation Agency (JICA)

<Career>

Involved in Asian, African and Latin American geothermal projects as an expert and project advisor from exploration to exploitation stage.

<Message>

Let's listen, see and discuss the reality of private/public investment in geothermal projects!



Mr. MATSUDA Hiroyuki

Director

Team2, Energy and Mining Group, Infrastructure Management Department

Japan International Cooperation Agency (JICA)

<Message>

I want this program to be a mutual learning experience. Looking forward to seeing you in Japan!



Ms. OGATA Rie

Team2, Energy and Mining Group, Infrastructure Management Department

Japan International Cooperation Agency (JICA)

<Message>

Looking forward to working with you on this practical interactive program!



Mr. IIJIMA Satoshi

Yokohama Center

Japan International Cooperation Agency (JICA)

<Message>

Hello, friends! Let's gain a new perspective on geothermal IPP/PPP projects through discussions with the lecturer and other participants. I am looking forward to seeing you all in Japan.



Eligibility and Procedures

1. Expectations to the Applying Organizations

This project is designed primarily for organizations that intend to address specific issues or problems identified in their operations. Applying organizations are expected to use the program for those specific purposes. To this end, applying organizations are expected to nominate the most qualified candidates to address said issues or problems, carefully referring to the qualifications described in section 2 below.

Applying organizations are also expected to be prepared to make use of knowledge acquired by the nominees for said purpose.

2. Nominee Qualifications

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

(1) Essential Qualifications

- 1) Current Duties: An executive who is deeply involved in decision making of geothermal projects at governmental organizations.
- 2) Experience in the Relevant Field: to have at least 3 years of experience in the field of energy or equivalent knowledge.
- 3) Educational Background: to be a graduate of university
- 4) Language Proficiency: to 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.)
- 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) Expectations for the Participants:

Enthusiasm for actual investment in geothermal development.

2) Gender Equality and Women's Empowerment:

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.

3. Required Documents for Application

(1) Application Form:

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

* If you have any difficulties/disabilities which require assistance, please specify necessary assistances in the QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION (1-(c)) of the application form. Information will be reviewed and utilized for reasonable accommodation.

(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) ID Photo(Digital data)



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 the JICA Yokohama Center in Japan by **November 25, 2022**)

(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 during the final selection process. 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 December 16, 2022**.

5. Additional Documents and Information to Be Submitted by Accepted Candidates

- **Vaccination Certificate of COVID-19 - to be submitted by January 10, 2023**

Accepted candidates are required to submit an official Vaccination Certificate of COVID-19, if they are vaccinated. It should be sent to JICA Yokohama by January 10, 2023, preferably by e-mail to “yictt1@jica.go.jp”.

- **Questionnaire - to be answered by January 10, 2023**

Accepted candidates are required to answer an online Questionnaire. JICA Yokohama will send a link to email address of each candidate. It should be answered by January 10, 2023.

- **Brief summary of your country - to be submitted by January 20, 2023**

Accepted candidates are required to prepare a brief summary of their country (Please read the Annex "Brief summary of your country" for more detailed information.) before their departure. The report should be sent to JICA Yokohama by January 13, 2023, preferably by e-mail to “yictt1@jica.go.jp”

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 "3.Expenses", "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.

Administrative Arrangements

Organizer (JICA Center in Japan)

Center: JICA Yokohama Center (JICA Yokohama)

Program Officer: Mr. Satoshi Ijima (yictt1@jica.go.jp)

Expenses

The following expenses in Japan will be provided by JICA.

Allowances for meals, living expenses, outfits, and shipping and stopover.

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

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).

Expenses for program implementation, including materials.

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 HP (English/French/Spanish/Russian):

https://www.jica.go.jp/english/our_work/types_of_assistance/tech/accept



Travel to Japan

Air Ticket: In principle, JICA will arrange a classround-trip ticket between an international airport designated by JICA and Japan.

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

Accommodation in Japan

Basically, JICA will arrange accommodation(s) for participants in Japan.

Belongings

Please bring your Laptop and Smartphone. They are necessary for taking online lectures and communicating with JICA during the program.

Pre-departure Orientation

A pre-departure orientation will be held at respective country's JICA office (or the Embassy of Japan), 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
Spanish ver.	https://www.youtube.com/watch?v=m7l-WlQSDjI
Part II: Introduction of JICA Centers in Japan	
JICA Yokohama	https://www.jica.go.jp/yokohama/english/office/index.html

If the link of these URLs has expired, please access the URL below and search the necessary information using the key words.

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



COVID-19: Current Japanese Border Measures

Accepted applicants are required to check and understand the Japanese Border Measures against his/her country and should follow it.

<https://www.mhlw.go.jp/stf/covid-19/bordercontrol.html>

Reference

PDF: KENSHU-IN GUIDE BOOK

For more detailed terms and conditions

https://www.jica.go.jp/english/our_work/types_of_assistance/tech/acceptance/training/c8h0vm0000011i07-att/guide_en.pdf



Video: JICA Predeparture Briefing

For more information on life in Japan and KCCP

<https://www.youtube.com/watch?v=SLurfKugrEw>



Website: JICA

English/French/Spanish/Russian

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



Annex

Brief summary of your country

Information and Data on the current situation of electric sector in your country

Accepted applicants are expected to fill the form and submit it to JICA Yokohama.

Country and organization:

Name:

- 1 General information of your country
 - 1.1 Population, location and etc.
- 2 Current situation of the electric sector
 - 2.1 Energy matrix (sources of electric generation)
 - 2.2 Electricity demand (peak demand and annual demand)
 - 2.3 Electricity price
- 3 Current situation and potential of renewable energy
 - 3.1 Solar, wind and etc.
 - 3.2 Geothermal
- 4 Challenges of geothermal development

*At the very beginning of the program, you will have a presentation session to introduce your country. Please prepare presentation slides by using powerpoint with 6-10 pages. Presentation time would be around 10-15 minutes.

For Your Reference

JICA and Capacity Development

Technical cooperation is a 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.



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.



Correspondence

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

Further, address correspondence to:

JICA Yokohama Center (JICA Yokohama)

Address: 3-1, Shinko 2-chome, Naka-ku, Yokohama City, Kanagawa Prefecture 231-0001

TEL: +81-45-663-3221

("81" is the country code for Japan, and "45" is the local area cod)