



Knowledge Co-Creation Program(Young Leaders) (African Countries / French)

Algeria, Cape Verde, Comoros, Sao Tome and Principe, Senegal,
Tunisia, Burkina Faso, Burundi, Madagascar, Mali

GENERAL INFORMATION ON

Course Title: Renewable Energy Course

再生可能エネルギーコース

Course No.: J1740051

Project No. : 1798156

Course Period in Japan: July 23, 2017– August 9, 2017

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 Program (KCCP)' as a New Start

In the Development Cooperation Charter which was released from the Japanese Cabinet on February 2015, it is clearly pointed out 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 a center of mutual learning process.

I. Concept

1. Knowledge Co-Creation Program (Young Leaders)

The “Knowledge Co-Creation Program (Young Leaders)” is conducted by JICA (the Japan International Cooperation Agency) under a technical cooperation scheme of the Government of Japan, with the purpose of promoting human resource development in developing countries.

Under the program, young leaders, who will become nation-building leaders in the future, are invited to Japan for 18 days to be provided with opportunities to:

- 1) develop their specialties through experiencing and learning technologies and skills in Japan, and
- 2) increase their willingness to resolve issues on their own

II. Description

1. Title (J-No.): Renewable Energy Course (J1740051)

2. Course Period in JAPAN: July 23, 2017–August 9, 2017

3. Target Regions or Countries

Algeria, Cape Verde, Comoros, Sao Tome and Principe, Senegal, Tunisia, Burkina Faso, Burundi, Madagascar, Mali

4. Target Group

Central/Local government officers who are engaged in utilizing renewable energy or staff of public sector in the field

5. Number of Participants : 16 participants

6. Language to be used in this program: French

7. Course Objective:

Through participation in this program, the participants are expected:

- (1) To understand policy, technology development of renewable energy in Japan
- (2) To expand their basic knowledge about principle, advantage and disadvantage of each renewable energy technology
- (3) To acquire any key issues to consider for development or utilization of renewable energy in each countries.
- (4) To formulate action plan which will be carried out after coming back to each country

8. Course Outline:

This program consists of the following components.

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| -Basic lecture and field visit of each renewable energy technology: solar power generation, solar heat utilization, wind power generation, small hydropower generation, geothermal generation/binary cycle generation, and biomass power generation. |
| -Technology for effective utilization of renewable energy: battery, and smart grid |
| -Challenge to low-carbon society and renewable energy policy in Japan |
| -Case study of local community activation using renewable energy |

<Model Schedule of the Program>

| Date | Venue | Contents | Purpose |
|------------------|-------------------------------------|--|--|
| July 23 (Sun) | JICA Center | Arrival | To learn about the culture, economy, politics, and history of Japan |
| July 24 (Mon) | | Briefing / Program orientation | |
| July 25 (Tue) | | Lectures on "Japanese politics and governance " and "Economy in Japan" | |
| July 26 (Wed) | JICA Center (Local Area) | -Course orientation, Renewable energy outline -Program of renewable energy and measure | To develop knowledge about each specialty and to observe present conditions in Japan |
| July 27 (Thu) | | -Various renewable energy comparison -Small hydro power generation technological outline -Photovoltaic generation technology outline | To confirm knowledge gained through the program To evaluate the overall program |
| July 28 (Fri) | | -Solar heat use technology -Renewable energy policy in city of Kitakyushu | |
| July 29 (Sat) | | -Next generation energy park & Wind power generation system -Review & comment | |
| July 30 (Sun) | | Holiday | |
| July 31 (Mon) | | Oita city, Oita prefecture | -Hot spring binary generation of electricity -Area activation by geothermal use |
| Aug. 1 (Tue) | -Small scale hydro power generation | | |

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|-----------------|----------------------------|--|--|
| | | equipment -Charge and charge technological outline | |
| Aug. 2 (Wed) | | -Woody biomass power plant -Area activation by biomass power generation | |
| Aug. 3 (Thu) | Takeo City and Kurume City | -Solar heat use technology -Small wind power generation | |
| Aug. 4 (Fri) | Kitakyushu City & | -Small scale Waste power generation -Outline of geothermal power generation | |
| Aug. 5 (Sat) | JICA Center (Local Area) | -Environment museum (Visit) -Review and comment | |
| Aug. 6 (Sun) | | Holiday (Attend the Summer Festival in Kitakyushu) | |
| Aug. 7 (Mon) | | -Action Plan making guidance | |
| Aug. 8 (Tue) | | -Presentation of Action Plan, -Evaluation Session and Closing Ceremony | |
| Aug. 9 (Wed) | | -Departure | |

※This program is tentative and the schedule is subject to change without notice.

III. Conditions and Procedures for Application

1. Nominee Qualifications:

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

(1) Essential Qualifications

All applicants must:

- 1) be nominated by the Government of African Countries in line with the procedures mentioned in 3.(1) below.
- 2) Experience in the relevant field: be involved in a field corresponding to the course mentioned in II. Description.
- 3) Age: be from twenty (20) to thirty-five (35) years of age and be expected to become leaders in their specialized fields in the future.
- 4) Language: have a reasonable command of English and good command of spoken and written French.

5) Health: be in good health, both physically and mentally, to participate in the Program in Japan. Pregnant applicants are not recommended to apply due to the potential risk of health and life issues of mother and fetus.

(2) Recommendable Qualifications

- 1) Expectations for the Participants: not have made any previous visits to Japan.
- 2) Educational Background: be a graduate of university.

2. Required Documents for Application

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

(2) Photocopy of passport: to be submitted 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.

*Photocopy should include the followings:

Name, Date of birth, Nationality, Sex, Passport number and Expire date.

(3) Country Report: Country Report on the main issues concerning the targeted field in his/her country to be submitted. Detailed information is provided in the ANNEX.

3. Procedures for Application and Selection:

(1) Submission of the Application Documents:

The Government of African Countries will take the necessary measures to nominate appropriate applicants for the program, and will forward to the JICA office (or the Embassy of Japan) one (1) copy of the specified Application Form for each applicant.

Closing date for applications: **Please inquire to the JICA 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 May 22, 2017)

(2) Selection:

After receiving the documents through proper channels from your government, the JICA office (or the embassy of Japan) will conduct screenings, and then forward the documents to the JICA Center in Japan. Selection will be made by the JICA Center in consultation with concerned organizations in Japan. *The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection.* Qualifications of applicants who belong to the military or other military-related organizations and/or who are enlisted in the military will be examined by the Government of Japan on a

case-by-case basis, consistent with the Development Cooperation Charter of Japan, taking into consideration their duties, positions in the organization, and other relevant information in a comprehensive manner.

(3) Notice of Acceptance

Notification of results will be made by the JICA office (or the Embassy of Japan) not later than June 19, 2017.

4. Conditions for Attendance:

- (1) to strictly adhere to the program schedule.
- (2) not to change the program topics.
- (3) not to extend the period of stay in Japan.
- (4) not to be accompanied by family members during the program.
- (5) to return to home countries at the end of the program in accordance with the travel schedule designated by JICA.
- (6) to refrain from engaging in any political activities, or any form of employment for profit or gain.
- (7) to observe Japanese laws and ordinances. If there is any violation of said laws and ordinances, participants may be required to return part or all of the training expenditure depending on the severity of said violation.
- (8) to observe the rules and regulations of the accommodation and not to change the accommodation designated by JICA.

IV. Administrative Arrangements

1. Organizer:

(1) **Name:** JICA KYUSHU

(2) **Contact:** Partnership Program Division (kictp@jica.go.jp)

2. Implementing Partner:

(1) **Name:** Kitakyushu International Techno-cooperative Association

(2) **URL:** <http://www.kita.or.jp/>

3. Travel to Japan:

(1) **Air Ticket:** The cost of a round-trip ticket between an international airport designated by JICA and Japan will be borne by JICA.

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

4. Accommodation in Japan:

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

JICA KYUSHU International Center (JICA KYUSHU)

Address: 2-2-1 Hirano, Yahatahigashi-ku, Kitakyushu, Fukuoka, Japan

TEL: 81-93-671-6311 FAX: 81-93-671-0979

(where "81" is the country code for Japan, and "93" is the local area code)

If there is no vacancy at JICA KYUSHU, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of TIC at its URL, <https://www.jica.go.jp/kyushu/english/office/c8h0vm0000a0cdx5-at/kyushu01.pdf>

5. Expenses:

The following expenses will be provided for the participants by JICA:

(1) Allowances for accommodation, meals, living expenses, outfit, and shipping

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

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

(4) 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.

6. Pre-departure Orientation:

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

V. ANNEX:

<Country Report>

Please make sure that your writing fits in one page (A4 size) in English

- 1) What type of work are you currently doing?
Please briefly explain what department or division you are in and what your job involves.

Examples:

- Work for Ministry of Energy as engineering official/administrative official
- Work for public electric company as engineer
- Work at public institute for renewable energy development

- 2) What are the issues encountered through work?
Please write about any issues related to "renewable energy" you come to realize through your work.

Examples:

- Lack of human resource who can develop policy or measures to apply the renewable energy to society
- Difficulties of practical application and management of the technology

- 3) What would you like to acquire through this training?
Based on the "issues" you have, please write briefly what you would like to know.

Examples:

- Would like to understand methods/technology of the renewable energy (please describe precisely which technology you are interested in, if you have.)
- Would like to understand practical policy or action for the renewable energy

- 4) What type of renewable energy have you applied in your country?
Please answer using symbols shown under the box.

| Photovoltaic | Wind | Small hydro | Biomass | Geothermal |
|--------------|------|-------------|---------|------------|
| | | | | |

◎ : Major ○ : Yes, applied ▲ : Not yet, but planning

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 Kyushu International Center (JICA KYUSHU)
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