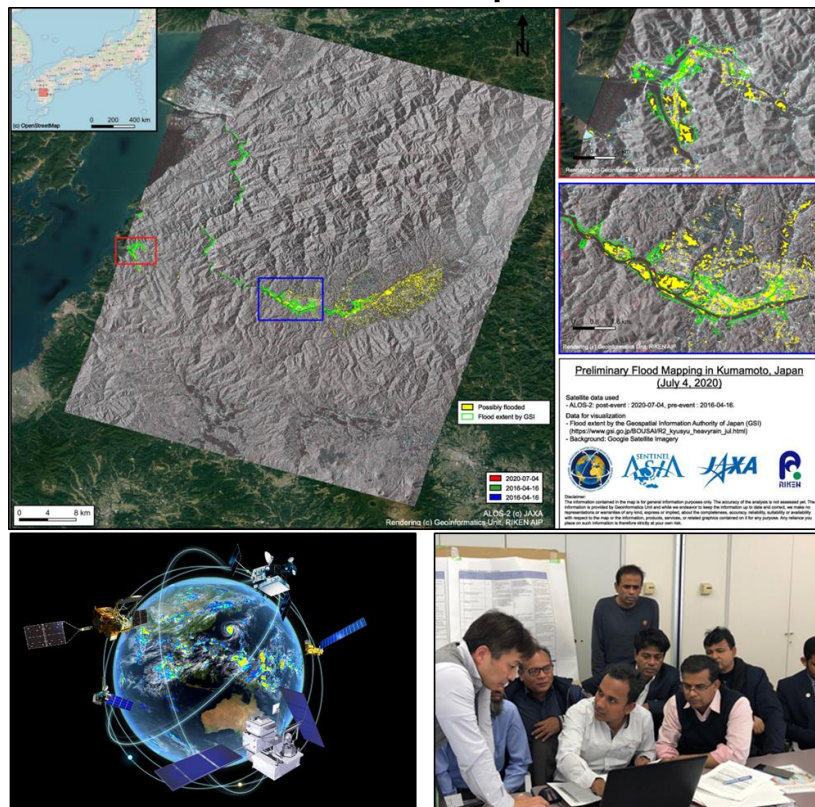


 Face-to-Face (in Japan)

Knowledge Co-Creation Program (Group and Region Focus)

Capacity Development of Space Technology Utilization for SDGs

(Sustainable Development Goals)



Upper Middle: ALOS-2 © JAXA Map produced by RIKEN
 Bottom Left: © JAXA
 Bottom Right: JICA

Program Period:

July 17- July 30, 2024
(Program Days: 11 days in total)





How do we design the utilization of space technology for Sustainable Development Goals (SDGs) ?

Gain insight for making of legal
frameworks, technology development and
its utilization by referring to
Japanese leading practices.

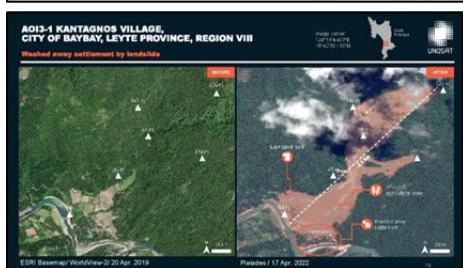
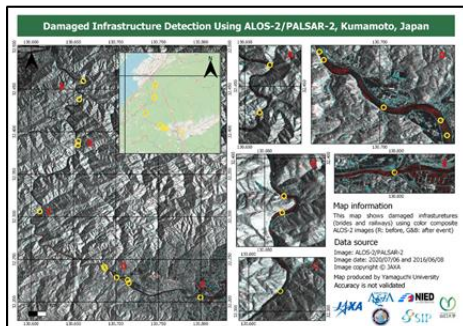
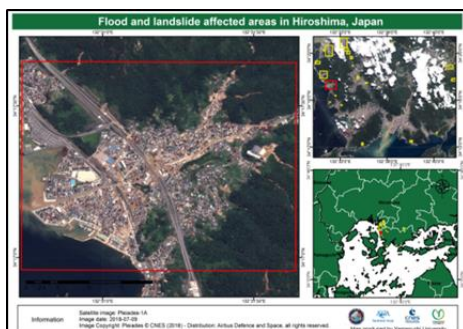
Outline

This program is designed for the government officials and/or leaders in related organization who are engaged in making the policies regarding space development and its utilization in order to get the knowledge and skills on Japanese leading practices for SDGs.

The sessions will be held face-to-face in Japan.

All sessions are carried out in English.

The period of program is from July 17 to July 30, 2024.



Top : Pleiades © CNES (2018)
 Middle: ALOS-2 © JAXA Map produced by Yamaguchi University
 Bottom: Includes Pleiades material © CNES (2022), Distribution Airbus DS. Report produced by UNITAR/UNOSAT

Top: © JAXA
 Middle: © JAXA
 Bottom: JICA

Course Capacity: 10

JICA Knowledge Co-Creation Program (KCCP)

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

Table of Contents

For What?

(Background and Objectives) page 6

To Whom?

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

When?

(Program Period) page 7

Where?

(Place Where the Program Take Place) page 7

How?

(Expected Result and Program Structure) page 8

Eligibility and Procedures

(Expectations to the Applying Organizations, Nominee Qualifications) page 11

(Required Documents for Application) page 12

(Procedures for Application and Selection) page 12

(Additional Documents to be Submitted by Accepted Candidates) page 13

(Other Conditions for Participation) page 13

(Completion Requirement)..... page 14

Administrative Arrangements

(Organizer, Implementing Partner, Expenses, Pre-departure Orientation, Reference).. page 15

Annex I

(Country Report) page 17

Annex II

(Country Report Presentation) page 18

For Your Reference page 19

For What?

Background

Space development and its utilization on socio economic levels attract great attention globally. For example, the utilization of satellite data can be seen in various public and private sectors, including the achievement of SDGs.

On the other hands, since space development and its utilization employ the cutting-edge technologies and requires the intricate coordination among the related ministries and agencies, it is also a pressing issue for the respective country to set up the designated legal policies.

Objectives

To obtain the knowledge and skills on the legal frameworks and industrial development policies by referring to the leading case studies in Japan, especially for the achievement of SDGs.

And also the space technology development and the utilization of satellite data are covered in this program.

To Whom?

Job Areas and Organizations

This program is designed for the responsible person or the person in charge in the ministries, agencies and/or related organizations who is engaged in the making of policies, space technology development and satellite data utilization.

The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection.

Targeted Countries

Angola, Gabon, Malaysia, Mexico, Mongolia, Philippines, Rwanda, Thailand, Tunisia, Viet Nam,

(Note)
Some additional participations from the unlisted countries may join this course.

The Participants who have successfully completed the program will be awarded the certificate by JICA.

Where?

This course is carried out totally face-to-face in Japan, organized by JICA Tokyo Center.

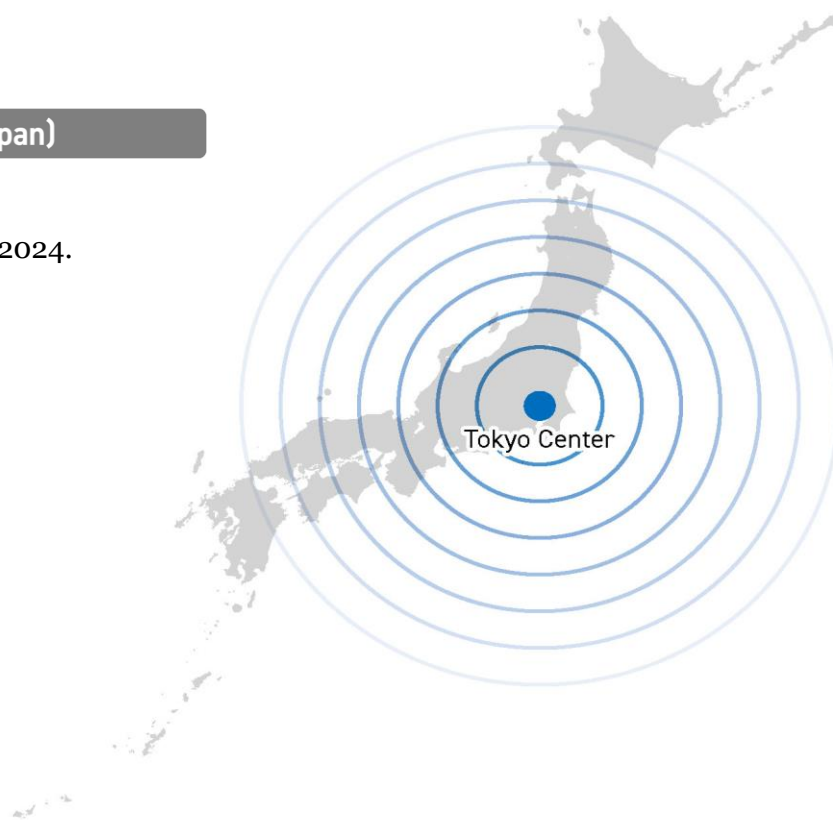
You can enjoy not only the learning experience with other participants from all over the world, but also the cultural one through your stay in Japan.

When?

Program Period

 Face-to-Face (in Japan)

From July 17 to July 30, 2024.



How?

How to Learn

- Lecture & Q&A Session
- Presentation & Discussion
- Exercise
- Individual Consultation
- Site Visit



Study



Experience



Discuss



Interact



Present

Language

English

Commitment to the SDGs



The JICA's position paper towards achieving SDGs: [JICA_torikumi_e.pdf](#)

Program Structure

<Expected Result>

- To become able to explain the policy of space development for promoting the utilization of space technology, organization, and case study in the respective country.
- To become able to explain the case study of space technology utilization for the achievement of SDGs in the respective country.

- To become able to explain the counter measure for the achievement of SDGs from the viewpoints of legal frameworks, technology development and/or utilization of satellite data in the respective country.

<Program Structure>

1. Country Report Presentation in advance of Program

It is required for all the participants to make and submit the Country Report Presentation in advance of the actual program.

2. Presentation of Country Report and Q&A Session

Country Report Presentation by each participant and the Q&A session for sharing the current status and clarifying the issue to be tackled in each country.

3. Lectures of Policies in Japan

It is to acquire the knowledge on the basic legal frameworks and industrial policies by referring to the legal systems in Japan in order to discuss and study the counter measurement in each country.

+ Lecture of “Laws and Policies on Space Development

Legal frameworks and industrial development policies/systems in Japan

+ Lecture of “Industrial Utilization of Space

Policies for industrial utilization of space in Japan

+ Lecture of “Space Telecommunication Policies”

World trend of satellite utilization, frequency adjustment process in International Telecommunication Unit (ITU)

4. Introduction of Leading Practices in Japan, including SDGs

It is to acquire the latest knowledge and skills on the space development and its utilization, especially for the achievement of SDGs, by referring to the leading practices in Japan.

5. Actual Practice/Exercise by the Participants

The actual practice/exercise of difference interference image analysis by using the latest Japan’s satellite data platform “tellus”.

<https://www.tellusxdp.com/en-us/about>



6. Individual Consultation

The individual consultation by the implementing partner. It is held to meet the individual request by each participant.

7. Site Visit

It includes the site visits to Japan Aerospace Exploration Agency, Tsukuba (JAXA) and other R&D facilities like Tokyo University, Kyushu Institute of Technology.

8. Presentation of Program Result

Presentation of training result, so called “Achievement Briefing” by each participant and discussion among all the participants and implementing partners.

9. Evaluation / Feedback of Program

(Note)

The program contents and order might be slightly changed before the actual program starts.

Program Officer (JICA)

Mr. NUNOYA Akira

Tokyo Center, Japan International Cooperation Agency (JICA)

“The cutting edge technologies of space development is one of the key factors for the achievement of SDGs globally. Welcome to join us at this course”



Implementing Partner

Mr. KOBAYASHI Yoshinori

Director

Japan Space Forum

“We can share the new ideas and policies to apply space technologies in your country through this program. And also the outcome from this program may find new business partners/markets contributing to SDGs across the world. Looking forward to seeing you in the near future.”



Eligibility and Procedures

Expectations to the Applying Organizations

This program is designed primarily for the organizations that intend to address specific issues or problems identified in their operations. The applying organizations are expected to use this program for those specific purposes.

This program is enriched with the contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the program to meet specific requirements of the applying organizations and effectively facilitate them toward solutions for the issues and problems.

In that sense, the applying organizations are expected to nominate the qualified candidates to address the said issues and/or problems, carefully referring to the qualifications below.

Nominee Qualifications

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

Essential Qualifications

- 1) **Current Duties:** be a responsible person or a person in charge (officer, staff, engineer, researcher, etc.) for space development and satellite data utilization in the ministries, agencies, and/or related organizations.
And who has the full knowledge about the concept and aims of SDGs.
- 2) **Experience in the Relevant Field:** have more than 1 year's experience in the above mentioned fields (a preferred condition)
- 3) **Educational Background:** be a graduate of university or equivalent
- 4) **Language:** have an excellent English capability enough to make presentation, exchange and discuss any ideas among the lecturers and participants

- 5) **Gender** : no condition to be expected. Female nominee is encouraged to apply for also this course. 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.
- 6) **Age**: preferred to be less than 45 years old (not a strict condition)
- 7) **Health**: must be in good health to participate in the program. 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.

Required Documents for Application

Application Form: available at the JICA local office (or the Embassy of Japan)

Attachments:

- 1) **Photocopy of Passport or Any Other Official ID:** to be submitted with the application form
- 2) **English Score Sheet:** to be submitted with the application form, if the nominee has any official English examination scores (e.g., TOEFL, TOEIC, IELTS)
- 3) **Country Report:** to be submitted with the application form. This report will be used as one of the nominees' screening documents (Please refer to ANNEX I)
- 4) **Existing Documents explaining Strategy of Organization/Country:** to be attached with the above mentioned **Country Report** (Please refer to ANNEX I)

Procedures for Application and Selection

(1) Submission of the Application Documents

Closing date for applications: Please confirm the local deadline with the JICA local office (or the Embassy of Japan) without any failures.

(All the necessaries documents will be collected at JICA Center in Japan via JICA local office by May 16, 2024)

(2) Selection

The primary screening is conducted at the JICA local office (or the embassy of Japan) after receiving all the necessary documents. Final selection is made by JICA Center in



Japan with the consultation by the concerned organizations.

Applying organizations with the best intentions to utilize the opportunity will be highly valued.

The Government of Japan will examine the applicants who belong to the military or other military-related organizations and/or who are enlisted in the military, taking into consideration their duties, positions and other relevant information in a comprehensive manner to be consistent with the Development Cooperation Charter of Japan.

(3) Notice of Acceptance

The notification of result will be made by JICA local office (or the Embassy of Japan) **not later than May 28, 2024.**

Additional Document to be Submitted by Accepted Candidates

The accepted participants are required to make “Country Report Presentation” and submit to JICA Center in Japan **by July 2, 2024.**

(email address: Nunoya.Akira@jica.go.jp)

The participant is required to make the presentation by using the above on Day 1 of this course. (Please refer to ANNEX II)

Other Conditions for Participation

The accepted participants are required below;

- (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.

Completion Requirement

Certificate of completion will be presented by JICA when the conditions below are met.

- (1) to attend 70% of the program and more.
- (2) to submit all the assignments (report and questionnaire) as requested by JICA.

Administrative Arrangements

1. Organizer (JICA Center in Japan)

- (1) Center: JICA Tokyo Center (JICA TOKYO)
 - (2) Program Officer: Mr. NUNOYA Akira (Nunoya.Akira@jica.go.jp)
-

2. Implementing Partner

Japan Space Forum

3. 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 HP (English):

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

4. Pre-departure Orientation

A pre-departure orientation will be held at respective country's JICA overseas 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 
Part II: Introduction of JICA Centers in Japan	
JICA Tokyo	https://www.jica.go.jp/tokyo/english/office/index.html  https://www.youtube.com/watch?v=qUsxpNG5p4E 

5. 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



Website: JICA

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



Annex I

Country Report

All the applicants are required to make and submit the Country Report with the Application Form to JICA local office (or the Embassy of Japan) . It will be used as one of the screening documents.

“Country Report” should be made along the agenda below in the format of A4 size, about 5 pages in English. It is highly recommended to include the photos, graphics, maps and figures for the easy understanding.

It will be also collected with the application form and other necessary documents at JICA Center in Japan via JICA local office by May 16, 2024.

Agenda of Country Report;

1. Introduction of Organization related to space development and utilization
2. Current Status / Activity
3. Utilization for SDGs
4. Challenge / Issue to be Tracked
5. Expectation for This Program

Existing Documents explaining Strategy of Organization/Country;

It is required to attach any existing documents explaining the strategy of organization and/or country with the above mentioned **Country Report**.

Annex II

Country Report Presentation

It is to share the basic information of participant's country among the participants and implementing partners, and lead the lectures and discussion of program to the most fruitful directions. The participant is required to make the presentation by using the above on Day 1 of this course.

The Presentation should be made along the same agenda as Country Report (ANNEX I) in the format of "Power Point", about 5 pages **in English**. The presentation template will be sent to the accepted participants separately after the notification of acceptance on May 28, 2024.

Agenda of Country Report;

1. Introduction of Organization related to space development and utilization
2. Current Status / Activity
3. Utilization for SDGs
4. Challenge / Issue to be Tracked
5. Expectation for This Program

The accepted participants are required to submit to JICA Center in Japan by July 2, 2024. (email address: Nunoya.Akira@jica.go.jp)

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.



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 local office or Embassy of Japan.

Further, address correspondence to:

JICA Tokyo Center (JICA Tokyo)

Address: 49-5, Nishihara 2-chome, Shibuya-ku, Tokyo 151-0066, Japan

TEL: +81-3-3485-7659 FAX: +81-3-3485-7904

("81" is the country code for Japan, and "3" is the local area code)