No.12040/21/2016-FTC/IR Government of India Ministry of Personnel, Public Grievances and Pensions Department of Personnel and Training [Training Division]

Block-4, Old JNU Campus New Mehrauli Road, New Delhi-67 Dated: 20.05.2016

TRAINING CIRCULAR

Subject: Knowledge Co-Creation Programme on "Remote Sensing of Forest Resources" to be held in Japan from 21.08.2016 to 08.10.2016 under Technical Cooperation Programme of the Government of Japan.

The undersigned is directed to state that the Japan International Cooperation Agency (JICA) has invited applications for Knowledge Co-Creation Programme on "Remote Sensing of Forest Resources" to be held in Japan from 21.08.2016 to 08.10.2016 under Technical Cooperation Programme of the Government of Japan.

2. The programme aims the participants to acquire the skills and knowledge for using remote sensing of forest resources in their own countries based on international discussions of reducing emissions from deforestation and forest degradation in developing countries (REDD+).

3. The applying organizations are expected to nominate officers engaged in forestry management or REDD+ with more than 3 years of practical experience in the relevant field. The applicant should have be a university graduate or equivalent qualification; have competent command over spoken and written English; must be in good health (both physically and mentally); must have knowledge of Windows or Windows office and be between the ages of 25 to 40 years.

4. In addition, the following information in respect of the nominated officers may please be mentioned while furnishing the nomination:-

- a) Whether attended any foreign training program in the past? If so, the duration/details thereof;
- b) Whether cleared from vigilance angle;
- c) Age;
- d) Whether working in North East State/J&K;
- e) A brief in 50-100 words justifying the nomination.

5. The course covers the cost of a round-trip air ticket between international airport designated by JICA and Japan; travel insurance from the time of arrival in Japan to departure from Japan; allowances for (accommodation, living expenses, outfit and shipping); expenses for JICA study tours and free medical care for participants who may fall ill after reaching Japan (costs relating to preexisting illness, pregnancy, or dental treatment are not included).

6. It is, therefore, requested that the nomination of suitable candidates may please be forwarded (in two copies) in JICA's prescribed format to this Department duly authenticated by the HOD of the concerned department in accordance with the eligibility criteria.

7. The applications should reach this Department through the Administrative Ministry/Department/State Government not later than **21.06.2016**. Nominations received after the prescribed date may not be considered. The details of the programme (General Information Brochure) and application form may be drawn from the website of Training Division, DoPT which may be accessed through the link <u>http://persmin.gov.in/otraining/Index.aspx</u>.

(P. K. Pattmaik)

Under Secretary to the Government of India Tele no: 011-26109049

To,

- a) Secretary, Ministry of Environment and Forests, Paryavaran Bhawan, New Delhi.
- b) Secretary, Department of Science and Technology, Technology Bhawan, New Delhi.
- c) Chief Secretaries to State Governments/Union Territories (with request to circulate the same amongst related Departments/Organizations under them).
- d) Senior Representative, Japan International Cooperation Agency, JICA India Office, 2nd Floor, Dr. Gopal Das Bhawan, 28, Barakhamba Road, New Delhi -110001.
- e) NIC with request to post the circular along with the JICA's circular on this Department's website.



Knowledge Co-Creation Program (Group & Region Focus)

GENERAL INFORMATION ON

REMOTE SENSING OF FOREST RESOURCES 課題別研修「森林リモートセンシング」 *JFY 2016* NO. J16-04133 / ID. 1684732 Course Period in Japan: From August 21st, 2016 to October 8th, 2016

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

<u>Background</u>

Addressing deforestation and forest degradation may play a significant role in climate change mitigation. CO2 emissions from deforestation and forest degradation in developing countries might amount for about 20% of the total emissions of the world. Thus, it is a key challenge not only for developing countries but also for the whole world to address reducing emissions from deforestation and forest degradation in developing countries (REDD+), which could slow increases in atmospheric CO2 concentrations.

However, there are not sufficient systems or personnel in many developing countries so that they can investigate the forest resources, which is basic information for REDD+. This constitutes a matter of immediate concern for the international community.

Remote sensing provides extensive information of forest resources in an efficient and effective manner. This program will provide basic theory and skills of remote sensing of forest resources to improve forest management in developing countries, which also support the REDD+ related activities for the participants and is expected to contribute to the climate change mitigation.

For what?

Participants are expected to acquire the skills and knowledge for using remote sensing of forest resources in their own countries based on international discussions on REDD+.

For whom?

This program is offered to administrative officials or researchers engaged in forestry management.

How?

Participants shall have opportunities in Japan to enhance the participants' knowledge and skills of remote sensing of forest resources in order to understand REDD+ as a significant role in climate change mitigation. Participants are expected to formulate an action plan describing what the participant is going to do after they go back to home country, making the best use of the knowledge and ideas acquired and discussed in Japan.

II. Description

1. Title (J-No.): Remote Sensing of Forest Resources (J16-04133)

- 2. Course Period in JAPAN: August 21st, 2016 to October 8th, 2016
- 3. Target Regions or Countries: Malawi, Democratic Republic of the Congo, Myanmar, India, Papua New Guinea, Mozambique, Vietnam, Guyana, South Sudan

4. Eligible / Target Organization: Administrative officials or researchers engaged in remote sensing of forest resources, forestry management and climate change mitigation.

- 5. Course Capacity (Upper limit of Participants) : 13 participants
- 6. Language to be used in this program: English

7. Course Objective:

Participants are expected to acquire the basic skills and knowledge for using remote sensing with the aim of understanding forest resources in their own countries on the basis of international discussion of REDD+. Participants are expected to acquire the basic skills and knowledge for making database of their own countries using GIS technique.

8. Overall Goal:

Each participant's belonging organizations take actions based on the action plans, in order to build the system for monitoring of forest resources using remote sensing in the countries concerned.

9. Expected Module Output and Contents

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

(1) Preliminary Phase in a participant's home country (July 2016 to August 2016)

Participating organizations make required preparation for the Program in the respective country.

Expected Modules Output	Activities
To overview the present situation and issues of forestry management in participants' respective countries	Preparation and submission of Country Report

(2) **Core Phase in Japan** (August 21st, 2016 to October 8th, 2016)

Participants dispatched by the organizations attend the Program implemented in Japan.

Expected Modules							
Output	Contents	Activities					
1. To acquire the current knowledge about the REDD+ using a remote sensing	 International methodology such as IPCC guideline and concept of Ecosystem services Remote sensing usage to keep up with REDD+ 	Lecture Exercises					
 To learn about the basic theory and skills of remote sensing 	 Basic theory of remote sensing Case Study and Possibilities of remote sensing Characteristics of sensors (Feature and difference of various satellite) Spectral characteristics of objects Classification of and change detection methods Learning remote sensing software, ArcGIS, ENVI and QGIS etc. 	Lecture Observation					
 To acquire the knowledge and technique for the practical use of remote sensing of forest resources 	 Satellite Images/Data Acquisition Possibilities of remote sensing Image pre, post processing of satellite images using a PC (Classification (including Objectbase Classification), Change detection) Calculation of various index models of vegetation Microwave satellite image usage for the forest mapping Learning remote sensing software, ArcGIS, ENVI and QGIS etc. Remote sensing using UAV 	Lecture, Practice and Exercise					
4. To acquire the knowledge and technique for the practical use of GIS/GPS of forest resources	 The basic usage of GIS, GPS Visualizing Methods Spatial Analysis Database Management Evaluating and Mapping Carbon Stock and other ecosystem services 	Lecture Practice					
5. To formulate the practical Action Plan for solving their own issues	 Planning for understanding the forest resources in their own countries using remote sensing 	To prepare action plan and make it presentation					

NOTE: (1)

Each participant must submit Country Report before arriving in Japan. Participants are requested to make Country Report Presentation by country at the beginning of the training course, in order to share the respective countries information in the field of forestry management and using remote sensing technologies. (If there are two participants from the same country, Presentation should be made by country, not by personal, but report must be submit by each participant.) Participants must prepare for Country Report presentation before arriving in Japan. Country Report must be written in English and twenty (20) minutes will be allocated to each participant for the presentation (including interpretation and discussion). Presentation by using Microsoft Power Point is recommended. If possible, it is also recommended to bring a CD-R etc. in which the Country Report is saved, that will facilitate report making.

This training includes a lot of practical trainings. Participants from the same country are requested to help each other.

(3)Finalization Phase in a participant's home country Participating organizations produce final outputs by making use of results brought back by participants. This phase marks the end of the Program.					
Modules Activities					
Action Plan	Application and implementation of the Action Plan back in respective home country and submission of the Final Report describing the progress of implementing respective Action Plan by March 31, 2017.				

NOTE: (2)

"Action Plan" of this course is the guide to solve your issues for development of Remote Sensing of Forest Resources.

Each participant must submit the <u>Action Plan</u> report at the end of the course. Contents to be included at least:

- Background (the problems to be solved)
- Objective and Expected Outcomes
- Actions/Operations
- Schedule (Short term, mid-term if necessary)
- Estimated budget (if possible) etc.

Followings must be well considered in Action Plan:

- The Plan must be *Feasible*.
- Obtained knowledge through the program must be Fully Utilized.
- Clarify the role of yourself in the plan

ex. having an educative program, making one's work more efficient, creating base maps, etc.

<u>*If you could, please bring some Information and your Target Area Data for the practical lesson and also for Action Plan Report.</u>

<Structure of the program>

Reference of the program in 2015 Schedule for training course in remote sensing of forest resources (B), FY 2015

DA	TE	TIME	TYPE OF TRAINING	E FOR TRAINING COURSE IN REMOTE SEN SUBJECT	OBJECTIVE	MODULE	ACCOMMODATION
Aug/ 2	Aug/ 2 SUN		TRAINING	Arrival in Japan			JICA Tsukuba
Aug/ 3	MON	9:30 ~ 12:00					JICH I Jakaba
Aug/ 5	MON			Briefing	Participants' self-introduction, introduction of people concerned,		
		13:00 ~ 15:00	L	Program Orientation	confirmation of program objective and modules, etc.		
Aug/ 4	TUE	9:30 ~ 12:00	L	Issue of Global Warming and REDD: Scientific Knowledge of IPCC	Obtain a scientific knowledge of Global Warming and REDD as a background for using remote sensing of forest resources	1,2	
		13:00 ~ 16:00	L		background for using remote sensing of forest resources		
Aug/ 5	WED	9:30 ~ 12:00	L	Issue of Global Warming and REDD: Scientific Knowledge of	Obtain a scientific knowledge of Global Warming and REDD as a	1,2	
		13:00 ~ 16:00	L	IPCC	background for using remote sensing of forest resources	-,-	Ļ
Aug/ 6	THU	9:30 ~ 12:00	0	Geospatial Information Authority of Japan: Introduction of Japan's Survey Techniques and Global Mapping	To learn about Japan's survey system and global mapping project	1	
		13:30 ~ 15:00	0	Tsukuba Space Center, *3JAXA: Space Technology of Japan	To learn about Japan's space technology	1	JICA Tokyo
		15:00 ~ 17:00		Tsukuba → Tokyo			
Aug/ 7	FRI	9:30 ~ 12:00	L	Forest Monitoring Database			
		13:00 ~ 16:00	0	Observation of Kokusai Kogyo Co.,Ltd.	To learn about designing database	1,2	
Aug/ 8	SAT			Day off			
Aug/9	SUN			Day off			+
Aug/ 10	MON	9:00 ~ 10:30	L	Biodiversity and REDD	To learn to see forests from various perspectives	1,5	
		13:00 ~ 14:00	L	Latest Trends of ArcGIS, etc. :Data Collection & Seamless Calculation by Using Mobile Terminal	To understand and experience the latest trends of ArcGIS and ENVI	4	JICA Hokkaido
		14:15 ~ 15:15	L	Latest Trends of the World's Satellites	To learn the latest trends of satellite technologies and related industries	3	
		$15:30 \sim 21:30$		Tokyo → Sapporo			
Aug/ 11	TUE	10:00 ~ 11:30	L	Orientation Guidance on Action Plan Preparation	To learn about the environment in Hokkaido and research conducted by RGU and to receive guidance on Action Plan	5	
		12:00 ~ 16:00	L	Campus Tour		5	
Aug/12	WED	9:30 ~ 12:00	Pr	Country Report Presentation			
		13:00 ~ 16:00	L	Basics of GIS/Remote Sensing Software	To learn about and practice using some software to be used in this	2,3	
		17:00 ~ 17:30		Meet Deputy Director General of JICA Hokkaido	training		
Aug/12	THU	9:30 ~ 12:00					
Aug/ 13	Inu		L	Remote Sensing: Review and Examples of Application	To learn the cutting edge technologies of remote sensing	2,3	
		13:00 ~ 15:00	L	Remote Sensing: Review and Examples of Application Practical Training on Remote Sensing: Unsupervised Classification			
Aug/14	FRI	9:30 ~ 12:00	Р	(ISO Cluster, K-mean) Practical Training on Remote Sensing: Supervised Classification	To learn unsupervised classification	2,3	
	(i - m)	13:00 ~ 16:00	Р	Method (Maximum Likelihood)	To acquire basic techniques for supervised classification		•
Aug/ 15 Aug/ 16	SAT SUN			Day off Day off			JICA Hokkaido
Aug/ 17	MON	9:30 ~ 12:00	Р	Practical Training on Remote Sensing: Understanding Spectral Characteristic	To learn about spectral characteristics		
		13:00 ~ 16:00	Р	Practical Training on Remote Sensing: Calculation of NDVI	To learn about spectral characteristics	2,3	
		19:00 ~ 20:30		Japanese Lesson 1			
Aug/ 18	TUE	9:30 ~ 12:00	L	Issues on and Prospects of Future Land Use	To broaden one's perspectives concerning land use management	1,2,5	
		13:00 ~ 16:00	Р	Practical Training on Remote Sensing: Supervised Classification	To acquire basic techniques for supervised classification	2,3	
		17:15 ~ 18:00	+	Method (Maximum Likelihood) Meeting with a travel agent concerning Return Flight Ticket	• • • • • • • • • • • •	-	
		19:00 ~ 20:30					
Ar-/10	WED		р	Japanese Lesson 2 Practical Training on Remote Sensing: Supervised Classification	To opping having toolbuiggers for surveying 1, 1, 17, 17		
Aug/ 19	WED	9:30 ~ 12:00	-	Method (Maximum Likelihood)	To acquire basic techniques for supervised classification	2, 3	
		13:00 ~ 16:00	Р	Classification Accuracy Assessment	To acquire basic techniques for supervised classification		
		19:00 ~ 20:30		Japanese Lesson 3 Various Classification Methods (Other than Maximum Likelihood			
Aug/ 20	THU	9:30 ~ 12:00	Р	Method)	To learn various supervised classification methods	2,3	
		13:00 ~ 16:00	Р	Review on Classification	To learn unsupervised and supervised classification	L	
Aug/ 21	FRI	9:30 ~ 12:00	Р	Self-practice of Classification	To learn how to use GPS Data for ground truth	2,3	
		13:00 ~ 16:00	Р	Classification Accuracy Assessment	To learn classification accuracy assessment methods	2,3	
Aug/ 22 Aug/ 23	SAT SUN			Day off Day off			
Aug/ 23	MON	9:30 ~ 12:00	Р				
-		13:00 ~ 16:00	Р	Ground Truth with GPS (on and around campus)	To learn to use GPS data for ground truth	2,3,4	
Aug/ 25	TUE	9:30 ~ 12:00	P				
	TOE		P	Change Detection	To learn basic techniques for change detection	2,3,4	
Aug/ 25					1	i .	1
		13:00 ~ 16:00		Summary using ArcGIS (Area Summary, Land Use Change			
Aug/ 25	WED	$13:00 \sim 16:00$ 9:30 $\sim 12:00$ 13:00 $\sim 16:00$	P P	Summary using ArcGIS (Area Summary, Land Use Change Summary) Statistical Analysis of Land Use Change Summary	To learn summary techniques using GIS	2,3,4	

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			13:00 ~ 16:00	Р	Processing by utilizing UAV	To learn UAV observation techniques			
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			17:00 ~ 17:30		Closing Ceremony				
Ser/17 THIL Level			$17:30 \sim 18:30$		Farewell Party				
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L: Lecture O: Observation P: Practical Training Pr: Presentation D: Discussion
 *1 RGU: Rakuno Galaxen University *2 NIES: National Institute for Environmental Studies *3 JAXA: Japan Aerospace Exploration Agency

III. Conditions and Procedures for Application

1. Expectations from the Participating Organizations:

- (1) This program is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Participating organizations are expected to use the project for those specific purposes.
- (2) This program is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the project 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: preferably to be an administrative official or researcher currently to be engaged in forestry management or REDD+. In some countries, forestry management or REDD+ are covered in the field of wildlife management, nature conservation and climate change mitigation. This course will accept the participant from such area. This course offers lots of practical training. So, participants must be using GIS/Remote Sensing software in their current duties.

2) Experience in the relevant field: should have more than 3 years of practical experience or research in forestry management or REDD+,

3) Educational Background: should be a university graduate or have an equivalent qualification,

4) Language: have good command of spoken and written English which is equivalent to TOEFL CBT 200 or more, (This program includes active participation in discussions, an action plan development. Thus requires good competence of English ability. Please attach an official certificate for English ability such as TOEFL, TOEIC etc., if possible)

5) IT Literacy: must be needed. Nominees must know how to use Windows or Windows Office;

6) Health: must 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.

<u>Please notice that this course includes ground truth or field survey in the forest. Participants must have enough strength left to go through such survey in the field and bring comfortable shoes.</u>

(2) Recommendable Qualifications

Expectations for the Participants: Age: between the ages of twenty-five (25) and forty (40) years

3. Required Documents for Application

- (1) Application Form: The Application Form is available at the JICA office.
- (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: to be submitted with the application form. Fill in the form (ANNEX) of this General Information, and submit it along with the Application Form.
- (4) 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. Procedures for Application and Selection:

(1) Submission of the Application Documents:

Closing date for applications: **Please inquire to the JICA office.** (After receiving applications, **the JICA office will send them to the JICA Center in JAPAN** <u>by July 1st, 2016</u>

(2) Selection:

After receiving the documents through proper channels from your government, the JICA office 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 **not later than** <u>July 21st</u>, <u>2016</u>.

5. 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 Hokkaido (Sapporo)
- (2) Contact : Tokai.<u>Hiroaki@jica.go.jp or jicahkic@jica.go.jp</u>

2. Implementing Partner:

- (1) Name: Rakuno Gakuen University
- (2) URL: http://www.rakuno.ac.jp/english/

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 Hokkaido (Sapporo) International Center (HKIC)

Address: Minami 4-25, Hondori 16-chome, Shiroishi-ku, Sapporo, Hokkaido, 003-8668, Japan

TEL: 81-11-866-8393 FAX: 81-11-866-8382

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

If there is no vacancy at JICA Center, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of HKIC/TIC at its URL, http://www.jica.go.jp/english/about/organization/domestic/index.html

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 <u>not</u> included)
- (4) Expenses for program implementation, including materials

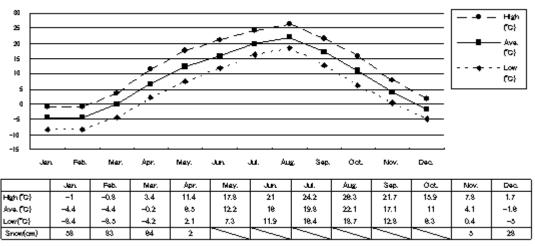
For more details, please see "III. ALLOWANCES" of the brochure for participants titled "KENSHU-IN GUIDE BOOK," which will be given before departure for Japan.

6. Pre-departure Orientation:

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

V. Other Information

- 1. Participants who have successfully completed the course will be awarded a certificate by JICA.
- 2. Toward the end of the course, each participant is to draft an Action Plan and present it. The Action Plan, which includes outcomes of this training, is a short to mid-term concrete plan of possible measures to tackle a high priority problem(s) related to introduction or application of remote sensing of forest resources or sound forestry management in the participant's capacity as a responsible officer. The participant is expected to fully utilize the ideas and techniques he/she has obtained through the training program in order to formulate "Action Plan" which will hopefully lead to the solution or mitigation of the above-mentioned problem.



3. Climate in Hokkaido

Typical Seasonal Wear: (August - October) T-Shirts, Long-sleeves, Light Jacket.

4. Recreation:

1) Participants can use an indoor swimming pool and gymnasium located next to JICA Hokkaido. The charges are paid by JICA.

2) JICA encourages international friendship exchange between participants and local communities. Therefore, it would be helpful for participants to bring their national costumes and materials such as slides, videos, and music cassettes, which introduce the culture in their countries.

5. Equipment in JICA Center JICA Center has following equipment for participants. <Utensils in the private room>

Bed, Prefabricated Bath, Desk, Refrigerator, Hot pot, Bookshelf, Air Conditioning, In-room Safe, TV sets (CNN, NHK (BS), DVD Player)

*ATTENTION: There are no slippers and towels. Soap, shampoo & conditioner, toothpaste & toothbrush, razor, detergent, sewing kit and CD-R can be purchased at the front desk.

<Audio-visual equipment for training> Video recorder, Multimedia Projector (available to use Microsoft Power Point)



J16-04133 Remote Sensing of Forest Resources (JFY 2016)

Country Report

Each Participant is requested to prepare the Country Report on the following issues and submit it to JICA Hokkaido along with the application form <u>by July 1st, 2016</u>. The report should be typewritten in English on A4 size paper (21 cm x 29.5 cm) in single spacing at maximum of 10 pages.

This Report shall be used for selection of participants.

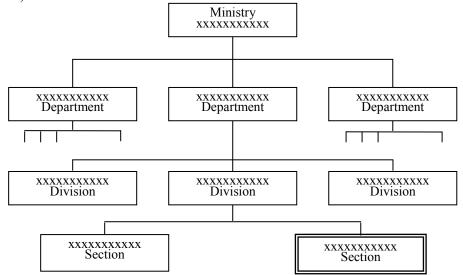
NOTE: Participants are requested to give a 20 minutes presentation and discuss about the situation of forestry management in respective country at beginning of the program by country. <u>So, participants from the same country must prepare a single presentation by country, not by personal.</u>

1. Basic information

Name			
Country			
Organization			
Position			
Period	From	to	
Outline of duties			

2. Outline of the participant's Organization

(Example :)



3. Describe present condition and/or historical trend of forests and forest management with specific figures in the applicant's country, in accordance with the following indicators respectively;

(Choose more than 2 indicators from among the following for the description)

- ① Area and percent of forest by forest ecosystem types
- ② Area and percent of forest specifically for conservation
- ③ Area, percent and growing stock of plantations by species
- ④ Value and volume of production of wood, wood products and non-wood products
- (5) Status of legal and institutional framework on forest planning, policy development and coordination with relevant sectors
- 6 Status of forest inventory, assessment and monitoring

If there is no national data on the indicators, you can use provincial data or data at the project level as well.

- 4. Current development of remote sensing of Forest Resources in the applicant's country
- 5. Problems/constraints on the development of remote sensing in the applicant's country

(Itemize 3 main issues which the applicant directly faces on and describe them)

- 6. On-going efforts to specifically cope with the problems mentioned in 6. above (If any)
- 7. The applicant's role in development and application of remote sensing in the country

	ENVI	Arc GIS	ERDAS IMAGINE	Ecognition	GPS	Others
Version:						
Experience: (How often are you using this in your current duties?)						
Purpose: (What do you use this for?)						
Satellite data: (Describe specific data which you have analyzed)						

8. The applicant's experiences about remote sensing and GIS software specifically

9. The a	ppneant 3 knowledge	ge and interest about remote sensing, GIS and GPS					
Items	Detail	Example	Please scale your knowledge by <u>1 ~ 4</u> 1: I don't know it 2: I know it a little 3: I know it 4: I know it very well	Please check the boxes which you are interested. <u>*You could check</u> more than one			
*Example	0000	0000	1	0			
Example	0000	0000	3				
Measuring	Unmanned Aerial vehicle						
	Ground truth with GPS						
	and Camera						
	Collecting data from Internet						
	Post processing UAV	Point cloud from UAV data					
	data	Ortho rectified photo					
Storing		Data management (clip/mosaic/reproject/lay er stuck/ pansharpning)					
	Pre/post processing satellite image(optical)	Convert value to DN to Radiance and to Reflectance					
		Atmospheric collection					
		Topographic collection					
	Pre/post processing satellite image(SAR)						
		Vegetation					
	Calculating index	Soil					
		Water					
		Unsupervised					
Analyzing	Classifying satellite images	Supervised					
7 mary 2mg		Objectbase classification					
	Analyzing time series data	Change detection					
		Basic statistical method for spatial analysis					
	Spatial data analysis with GIS	Calculate Carbon stock using GIS model					
		Summarizing data					
Vigualizing	3D visualization						
Visualizing	How to create a understandable map						

9. The applicant's knowledge and interest about remote sensing, GIS and GPS

10. Knowledge or skills which the applicant intends to acquire from this training program.

(example: knowledge of technical issues about REDD+, skills of using remote sensing software for change detection of landuse in your site)

- **11. In the applicant's country, what kind of effort/action for REDD+ can be made?** (example: law, policy, finance and aid)
- 12. Plans/projects which you are likely to be involved in your country after completing the training, if any.
- 13. Describe the target area which you want to deal with in your action plan in concrete terms. *<u>Please attach the Map below</u>

Area Name:	
Longitude and Latitude:	
MAP:	

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 and 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. Further, address correspondence to:

JICA Hokkaido International Center (JICA Hokkaido, Sapporo) Address: Minami 4-25, Hondori 16-chome, Shiroishi-ku, Sapporo, Hokkaido, 003-8668, Japan TEL: +81-11-866-8393 / FAX: +81-11-866-8382



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Guidelines of Application Form for the JICA Training and Dialogue Program

The attached form is to be used to apply for the training and dialogue programs of the Japan International Cooperation Agency (JICA), which are implemented as part of the Official Development Assistance Program of the Government of Japan. Please complete the application form while referring to the following and consult with the respective countryop JICA Office - or the Embassy of Japan if the former is not available - in your country for further information.

1. Parts of Application Form to be completed

1) Which part of the form should be submitted?

It depends on the type of training and dialogue program you are applying for.

>Application for Group and Region Focused Training Program

Official application and Parts A and B including Medical History and Examination must be submitted.

>>Application for Country Focused Training Program including Counterpart Training Program

Part B including Medical History and Examination will be submitted. Official application and Part A need not to be submitted

2) How many parts does the Application Form consist of?

The Application Form consists of three parts as follows;

Official Application

This part is to be confirmed and signed by the head of the relevant department/division of the organization which is applying.

Part A. Information on the <u>Applying Organization</u>

This part is to be confirmed by the head of the relevant department/division of the organization which is applying.

Part B. Information About the Nominee including Medical History and Examination

This part is to be completed by the person who is nominated by the organization applying. <u>The applicants for Group and Region Focused Training Program are required to fill in **every** <u>item</u>. As for the applications for Country Focused Training Program including Counterpart Training Program and some specified International Dialogue Programs, it is required to fill in the designated "**required**" items as is shown on the Form.</u>

Please refer to the General Information to find out which type the training and dialogue program that your organization applies for belongs to.

2. How to complete the Application Form

In completing the application form, please be advised to:

- (a) carefully read the General Information (GI) for which you intend to apply, and confirm if the objectives and contents are relevant to yours,
- (b) be sure to write in the title name of the course/seminar/workshop/project accurately





according to the GI, which you intend to apply,

- (c) use a typewriter/personal computer in completing the form or write in **block letters**,
- (d) fill in the form in English,
- (e) use ☑ or ‰+to fill in the () check boxes,
- (f) attach a picture of the Nominee,
- (g) attach additional page(s) if there is insufficient space on the form,
- (h) prepare the necessary document(s) described in the General Information (GI), and attach it (them) to the form,
- (i) confirm the application procedure stipulated by your government, and
- (j) submit the original application form with the necessary document(s) to the responsible organization of your government according to the application procedure.

Any information that is acquired through the activities of the Japan International Cooperation Agency (JICA), such as the nomineec name, educational record, and medical history, shall be properly handled in view of the importance of safeguarding personal information.

3. Privacy Policy

1) Scope of Use

Any information used for identifying individuals that is acquired by JICA will be stored, used, or analyzed only within the scope of JICA activities. JICA reserves the right to use such identifying information and other materials in accordance with the provisions of this privacy policy.

2) Limitations on Use and Provision

JICA shall never intentionally provide information that can be used to identify individuals to any third party, with the following three exceptions:

- (a) In cases of legally mandated disclosure requests;
- (b) In cases in which the provider of information grants permission for its disclosure to a third party;
- (c) In cases in which JICA commissions a party to process the information collected; the information provided will be within the scope of the commissioned tasks.

3) Security Notice

JICA takes measures required to prevent leakage, loss, or destruction of acquired information, and to otherwise properly manage such information.

4. Copyright policy

Participants of the JICA Training and Dialogue program are requested to comply with the following copyright policy;

Article 1. Compliance matters with participantsq drafting of documents (various reports, action plans, etc.) and presentations (report meetings, lectures, speeches, etc.)

1. Any contents of the documents and presentations shall be created by themselves in principle.





2. Comply with the following matters, if you, over the limit of quotation, have to use a third person**\$** work (reproduction, photograph, illustration, map, figure, etc.) that is protected under laws or regulations in your country or copyright-related multinational agreements or the like:

(1) Obtain license to use the work on your own responsibility. In this case, the scope of the license shall meet the provisions of Article 2.

(2) Secure evidential material that proves the grants of the license and specifies the scope of the license.

(3) Consult with the third party and perform the payment procedure on your own responsibility regarding negotiations with a third person about the consideration for granting the license and the procedure for paying the consideration,.

Article 2. Details of use of works used for training

(1) The copyright on a work that a participant prepares for a training course shall belong to the trainee. The copyright on the parts where a third party work is used shall belong to the third party.

(2) When using texts, supplementary educational materials and other materials distributed for the JICA training courses, participants shall comply with the purposes and scopes approved by each copyright holder.





Training Programs under Technical Cooperation with the Government of Japan

Application Form for the JICA Training and Dialogue Program

OFFICIAL APPLICATION

(to be confirmed and signed by the head of the relevant department / division of the applying organization)

1. Title: (Please write down as shown in the General Information)

2. Number: (Please write down as shown in the General Information)									
J	0		-						

3. Country Name:

4. Name of Applying Organization:

5. Name of the Nominee(s):

1)	3)
2)	4)

Our organization hereby applies for the training and dialogue program of the Japan International Cooperation Agency and proposes to dispatch qualified nominees to participate in the programs.

Date:		Signature:		
Name:				
Designation / Pos	tion			
Department / Divis	sion			Official Stamp
Office Address and	Address:			
Contact Information	n Telephone:	Fax:	E-mail	

Confirmation by the organization in charge (if necessary)

I have examined the documents in this form and found them true. Accordingly I agree to nominate this person(s) on behalf of our government.

Date:		Signature:	
Name:			
Designation / P	osition		Official Stamp
Department / D	livision		





Part A: Information on the Applying Organization

(to be confirmed by the head of the department / division)

1.	Profile	of	Organization
----	---------	----	--------------

1) Name of Organization:

2) The mission of the Organization and the Department / Division:

2. Purpose of Application

1) Current Issues: Describe the reasons for your organization claiming the need to participate in the training and dialogue program, with reference to issues or problems to be addressed.

2) Objective: Describe what your organization intends to achieve by participating in the training and dialogue program.





3) Future Plan of Actions: Describe how your organization shall make use of the expected achievements, in addressing the said issues or problems.

4) Selection of the Nominee: Describe the reason(s) the nominee has been selected for the said purpose, referring to the following view points; 1) Course requirement, 2) Capacity /Position, 3) Plans for the candidate after the training and dialogue program, 4) Plan of organization and 5) Others.



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Attach the nominee's photograph (taken within the last three months) <u>here</u> Size: 4x6 (Attach to the documents to be

submitted.)

Part B: Information about the Nominee

(to be completed by the Nominee)

NOTE>>>The applicants for Group and Region Focused Training Program are required to fill in ‰very Item+. As for the applications for Country Focused Training Program including Counterpart Training Program and some specified International Dialogue Programs, it is required to fill in the designated "**required**" items as is shown below.

1. Title: (Please write down as shown in the General Information) (required)

2. N	umbe	ər: (Pi	ease \	write d	lown a	s shov	vn in tł	ne Ger	neral Information) (required)	
J	0		-							

3. Information about the Nominee(nos. 1-9 are all required)

1) Name of Nominee (as in the passport)

Family Name

F	First Name														
Ν	Middle Name														

2) Nationality			5) Date of Birth (please write out the					
(as shown in the passport)	month in English as in "April")							
3) Sex	() Male	() Female	Date	Month	Year	Age		
4) Religion								

6) Present Position and Current Duties

Organization							
Department / Division							
Present Position							
Date of employment by	Date	Month	Year	Date of assignment to the	Date	Month	Year
the present organization				present position			

7) Type of Organization

() National Governmental	() Local Governmental	() Public Enterprise
() Private (profit)	() NGO/Private (Non-profit)	() University
() Other ()	

8) Outline of duties: Describe your current duties





9) Contact Information

	Address:							
Office	TEL:	Mobile (Cell Phone):						
	FAX:	E-mail:						
	Address:							
Home	TEL:	Mobile (Cell Phone):						
	FAX:	E-mail:						
	Name:							
_	Relationship to you:							
Contact person in emergency	Address:							
	TEL:	Mobile (Cell Phone):						
	FAX:	E-mail:						

10) Others (if necessary)

4. Career Record

1) Job Record (After graduation)

	City/	Per	iod			
Organization	City/ Country	From Month/Year	To Month/Year	Position or Title	Brief Job Description	

2) Educational Record (Higher Education)(required)

,			<u>,, , ,</u>			
	City/	Per	iod			
Institution		From	То	Degree obtained	Major	
	Country	Month/Year	Month/Year	6	,	
		wonth/real	wonun/ real			





3) Training or Study in Foreign Countries; please write your past visits to Japan specifically as much as possible, if any.

	City/	Per	iod		
Institution	City/ Country	From	То	Field of Study / Program Title	
	Country	Month/Year	Month/Year		

5. Language Proficiency (required)

1) Language to be used in the progr				
Listening	() Excellent	() Good	()Fair	() Poor
Speaking	() Excellent	() Good	()Fair	() Poor
Reading	() Excellent	() Good	()Fair	() Poor
Writing	() Excellent	() Good	()Fair	() Poor
Certificate (Examples: TOEFL, TOEIC)				
2) Mother Tongue				
3)Other languages ()	() Excellent	() Good	()Fair	() Poor

¹ Excellent: Refined fluency skills and topic-controlled discussions, debates & presentations. Formulates strategies to

deal with various essay types, including narrative, comparison, cause-effect & argumentative essays.
 ¹ Good: Conversational accuracy & fluency in a wide range of situations: discussions, short presentations & interviews. Compound complex sentences. Extended essay formation.
 ¹ Fair: Broader range of language related to expressing opinions, giving advice, making suggestions. Limited

compound and complex sentences & expanded paragraph formation. ¹ Poor: Simple conversation level, such as self-introduction, brief question & answer using the present and past tenses.





6. Expectation on the applied training and dialogue program

1) Personal Goal: Describe what you intend to achieve in the applied training and dialogue program in relation to the organizational purpose described in Part A-2.

2) Relevant Experience: Describe your previous vocational experiences which are highly relevant in the themes of the applied training and dialogue program. (required)

3) Area of Interest: Describe your subject of particular interest with reference to the contents of the applied training and dialogue program. (required)

*7. Declaration (to be signed by the Nominee) (required)

I certify that the statements I made in this form are true and correct to the best of my knowledge. If accepted for the program. I agree:

- (a) not to bring or invite any member of my family (except for the program whose period is one year or more),
- (b) to carry out such instructions and abide by such conditions as may be stipulated by both the nominating government and the Japanese Government regarding the program,
- (c) to follow the program, and abide by the rules of the institution or establishment that implements the program,
- (d) to refrain from engaging in political activity or any form of employment for profit or gain,
- (e) to return to my home country at the end of the activities in Japan on the designated flight schedule arranged by JICA,
- (f) to discontinue the program if JICA and the applying organization agree on any reason for such discontinuation and not to claim any cost or damage due to the said discontinuation.
- (g) to consent to waive exercise of my copyright holder rights for documents or products that are produced during the course of the project, against duplication and/or translation by JICA, as long as they are used for the purposes of the program.
- (h) to approve the privacy policy and the copyright policy mentioned in the Guidelines of Application.

JICAcs Information Security Policy in relation to Personal Information Protection

JICA will properly and safely manage personal information collected through this application form in accordance with JICAs privacy policy and the relevant laws of Japan concerning protection of personal information and take protection measures to prevent divulgation, loss or damages of such personal information.

Unless otherwise obtained approval from an applicant itself or there are valid reasons such as disclosure under laws and ordinances, etc., and except for the following 1.-3., JICA will neither





provide nor disclose personal information to any third party. JICA will use personal information provided only for the purposes in the following 1.-3 and will not use for any purpose other than the following 1.-3 without prior approval of an applicant itself.

- 1. To provide technical training to technical training participants from developing countries.
- 2. To provide technical training to technical training trainees from developing countries under the CitizensqCooperation Activities..
- 3. In addition to 1. and 2. above, if the government of Japan or JICA determines necessary in the course of technical cooperation.

Date:	Signature:
	Print Name:





MEDICAL HISTORY AND EXAMINATION

1. Present Status

(a) Do you currently use any drugs for the treatment of a medical condition? (Give name & dosage.)

() No	() Yes >> Name of Medication (), Quantity ()	
(b) Are you pregnant?						
() No	() Yes (ma	onths)		
(c) Are you allergic to any medication or food?						
() No	() Yes >>>	() Medication	() Food	() Other:		
(d) Please indicate any needs arising from disabilities that might necessitate additional support or facilities.						
)						
Note: Disability does not lead to exclusion of persons with disability from the program. However, upon the situation, you				ation, you		

may be directly inquired by the JICA official in charge for a more detailed account of your condition.

2. Medical History

(a) Have you had any significant or serious illness? (If hospitalized, give place & dates.)

Past:	() No	() Yes>>Name of illness (), Place	& dates ()
Present:	() No	() Yes>>Present Condition) Yes>>Present Condition ()		
(b) Have y	ou ever be	en a patient in a mental hospita	al or been treated by a psychia	atrist?	
Past:	() No	() Yes>>Name of illness (), Place	& dates ()
Present:	() No	() Yes>>Present Condition	()
(c) High blood pressure					
Past:	() No	() Yes			
Present:	() No	() Yes>>Present Condition	() mm/Hg to () mm/Hg	
(d) Diabetes (sugar in the urine)					
Past:	() No	() Yes			
Present:		() Yes>>Present Condition	()
	() No	Are you taking any medicine	or insulin?	() No	() Yes
(e) Past History: What illness(es) have you had previously?					
() Stomad	ch and	() Liver Disease () Heart Disease () Kidney Disease		isease	
Intestinal D	Intestinal Disorder				
() Tuberc	ulosis () Asthma () Thyroid Problem				

(e) Has this disease been cured?

) Other >>> Specify (

) Infectious Disease >>> Specify name of illness (

	() No (Specify name of illness)	
() Yes	Present Condition: ()

3. Other: Any restrictions on food and behavior due to health or religious reasons?

I certify that I have read the above instructions and answered all questions truthfully and completely to the best of my knowledge.

I understand and accept that medical conditions resulting from an undisclosed pre-existing condition may not be financially compensated by JICA and may result in termination of the program.

Date:	Signature:
	Print Name: