

No.12040/24/2014-TRG(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 – May 26, 2014

TRAINING CIRCULAR

Subject: Group Training Course in “Remote Sensing of Forest Resources (B)” to be held in Japan from September 03 to October 22, 2014 under the 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 the above mentioned training programme to be held in Japan from September 03 to October 22, 2014 under the Technical Cooperation Programme of the Government of Japan.

2. The participants will learn knowledge and skills to for using remote sensing of forest resources in their own countries based on international discussions on REDD.
3. The programme is offered to the administrative officials or researchers engaged in forestry management.
4. The applying organizations are expected to select those nominees who are either administrative officials or researchers to be engaged in forestry management or REDD. The participants must use GIS/Remote sensing software in their current duties. The nominees for this course should be university graduate or equivalent with more than 3 years of practical experience or research in forestry management or REDD. The participant should also have competent command over spoken and written English, must have knowledge of Windows or Windows office, must be in good health (both physically and mentally) and must not be a part of military service. The participants between the age group of 25 to 40 years will be preferred for this course.
5. In addition to above, the following information in respect of the nominated officers may please be mentioned while furnishing the nomination:-
 - a) Whether attended any foreign training programme in the past? If so, the duration/detail 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.
6. 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 pre-existing illness, pregnancy, or dental treatment are not included).

...2/-

7. It is therefore requested that the nomination of suitable candidates may please be forwarded **(in duplicate)** in JICA's prescribed form (available in **persmin.nic.in→DOPT→Training Wing→Circular→JICA**) to this Department duly authenticated by the HOD of the concerned department in accordance with the eligibility criteria.

8. The applications should reach this Department through the Administrative Ministry/State Government not later than **June 20, 2014**. Nominations received after the prescribed date will not be considered. The details of the programme may be drawn from Ministry of Personnel, Public Grievances and Pensions' website (**persmin.nic.in**).



(N.K. Wadhwa)

Under Secretary to the Government of India

Tele.No.011-26165682

E-mail-ID naresh.wadhwa@nic.in

Copy to:

- a) The Secretary, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi -110003,
- b) The Chief Secretaries to all the State Governments/Union Territories(with request to circulate the same amongst their related Departments/Organizations),
- c) NIC with request to post the circular along with the JICA's circular on this Department's website.



GROUP AND REGION-FOCUSED TRAINING

GENERAL INFORMATION ON

REMOTE SENSING OF FOREST RESOURCES (B)

課題別研修「森林リモートセンシング(B)」

JFY 2014

NO. J14-04387 / ID. 1480189

Course Period in Japan: From September 3rd, 2014 to 22nd October 2014

This information pertains to one of the Group and Region-Focused Training 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.

I. Concept

Background

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 (B) (J14-04387)

2. Course Period in JAPAN

September 3 to October 22, 2014

3. Target Regions or Countries

Malaysia, Myanmar, India, Papua New Guinea, Brazil, Malawi, Indonesia

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)

11 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 (September 2014 to October 2014) <i>Participating organizations make required preparation for the Program in the respective country.</i>	
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

(September 3, 2014 to October 22, 2014)

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

Expected Modules Output	Contents	Activities
To acquire the current knowledge about the REDD using a remote sensing	<ul style="list-style-type: none">• International methodology such as IPCC guideline• Remote sensing usage to keep up with REDD	Lecture Exercises
To learn about the basic theory and skills of remote sensing	<ul style="list-style-type: none">• Basic theory of remote sensing• Characteristics of electromagnetic wave• Spectral Reflectance• Classification of platform and sensor• Feature and difference of various satellite for earth observation• Learning remote sensing software, ArcGIS, ENVI and Multispec etc.	Lecture Observation
To acquire the knowledge and technique for the practical use of remote sensing of forest resources	<ul style="list-style-type: none">• Case Study of remote sensing• Possibilities of remote sensing• Image processing of satellite images using a PC• Calculation of various index models of vegetation• ALOS/PALSAR usage for the forest mapping• Learning remote sensing software, ArcGIS, ENVI and Multispec etc.• Remote sensing using UAV	Lecture, Practice and Exercise
To acquire the knowledge and technique for the practical use of GIS/GPS of forest resources	<ul style="list-style-type: none">• How to use a GPS• Satellite Images/Data Acquisition for GIS in the open air• The basic usage of GIS• Spatial analysis by GIS• Learning GIS software, ArcGIS	Lecture Practice
To formulate the practical Action Plan for solving their own issues	<ul style="list-style-type: none">• 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 must 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 <i>Participating organizations produce final outputs by making use of results brought back by participants. This phase marks the end of the Program.</i>	
Modules	Activities
Implementation of the Action Plan Submission of the Final Report	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 April 22, 2015.

<Structure of the program>

Reference of the program in 2013

SCHEDULE FOR TRAINING COURSE IN REMOTE SENSING OF FOREST RESOURCES (C), FY 2013							
DATE	TIME	TYPE OF TRAINING	SUBJECT	OBJECTIVE	MODULE	ACCOMMODATION	
1st			Arrival in Japan			JICA Tokyo	
2nd	9:00 ~ 12:00		Briefing				
	13:00 ~ 15:00	L	Program Orientation	Participants' self-introduction, introduction of people concerned, confirmation of program objective and modules, etc.			
3rd	9:30 ~ 11:30	L	JICA'S Efforts Concerning REDD+ and Related Matters	To learn about JICA's REDD+ project	1		
	12:30 ~ 16:00	Pr	Country Report Presentation	To share each country's present conditions and issues concerning forest resource management and REDD			
4th			Day off				
5th			Day off				
6th			Day off				
7th	9:30 ~ 11:30	L	Examples of REDD Projects (Laos and Papua New Guinea)	To learn about specific examples of efforts concerning REDD	1		
	13:30 ~ 15:00	L	Finding Carbon Stock using Remote Sensing Technologies	To learn the method of finding carbon stock using remote sensing technology	2, 3		
8th	8:20 ~ 9:50		JICA Tokyo → Tsukuba City (Geospatial Information Authority of Japan)				
	10:00 ~ 12:30	O	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	2, 3		
	14:00 ~ 15:00	O	Tsukuba Space Center, ² JAXA: Space Technology of Japan	To learn about Japan's space technology	2, 3		
9th	9:30 ~ 11:30	L	GIS Tools and Data for REDD and Forest Management	To understand the outline of tools and data	3, 4		
	13:00 ~ 14:00	L	Latest Trends of ArcGIS	To learn about latest trends of ArcGIS and ENVI	4		
	14:15 ~ 15:30	L	Latest Trends of the World's Satellites	To learn about latest trends of satellite technologies and related industries	3		
10th	9:30 ~ 11:30	L	Biodiversity and REDD	To learn to see forests from various perspectives	1		
	PM		Preparation for Moving to Hokkaido				↓
11th	10:30 ~ 16:00		Tokyo → Kushiro City, Hokkaido				ANA Crowne Plaza Hotel
12th	9:30 ~ 11:30	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		
	12:30 ~ 16:00	L					
13th	9:30 ~ 11:30	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		↓
	12:30 ~ 16:00	L					
14th	8:20 ~ 12:15	O	Field Tour of Kushiro Wetland Area	Case study concerning consensus building for natural environment conservation and industrial promotion	1, 5		Hotel Greenpark Tsurui
	13:30 ~ 16:30	O	Field Tour of Kushiro Wetland Area	Case study concerning consensus building for natural environment conservation and industrial promotion	1, 5		
15th	8:30 ~ 11:45	O	Field Tour of Kushiro Wetland Area	Case study concerning consensus building for natural environment conservation and industrial promotion	1, 5		
	13:00 ~ 17:00	O	Workshop about Tourism in Tsurui Village	Case study concerning consensus building for natural environment conservation and industrial promotion	3, 4, 5		↓
16th	7:00 ~ 11:00		Kushiro City → Sapporo City				Shin-sapporo Arc City Hotel
	10:00 ~ 15:00	O	Orientation and Campus Tour	To learn about the natural environment of Hokkaido	1, 5		
17th			Day off				
18th			Day off				
19th	9:00 ~ 12:00	P	Guidance on Practical Training and Action Plan Preparation Explanation of the Roles of GIS, GPS and Remote Sensing for REDD	To confirm the basic operation of ArcGIS, etc.	3, 4, 5		
	13:00 ~ 16:00	P	Preparation of PC to be Used ArcGIS 10.1 Practical Training: Confirmation of Basic Operation including some tools such as Zonal Statistics and Tabulate Area, and Sampling	To confirm the basic operation of ArcGIS, etc.	4		↓
20th	9:00 ~ 12:00	L	Remote Sensing Technology: Basic Knowledge on Optical Sensors	To learn basic knowledge on remote sensing technology	2, 3		Shin-sapporo Arc City Hotel
	13:00 ~ 16:00	L	Remote Sensing Technology: Case Examples of Application	To learn about case examples of application of remote sensing technology	2, 3		
21st	9:00 ~ 12:00	L	Remote Sensing Technology: Basic Knowledge on Microwaves	To learn basic knowledge on remote sensing technology	2, 3		
	13:00 ~ 16:00	L	Remote Sensing Technology: Introduction of Advanced Study on Microwaves	To learn about advanced study on remote sensing technology	2, 3		
22nd	9:00 ~ 12:00	P	Remote Sensing Technology: Understanding Spectral Characteristics	To learn about spectral characteristics	2, 3		
	13:00 ~ 16:00	P	Remote Sensing Technology: NDVI and Change Detection	To learn about NDVI calculation and change detection	2, 3		
23rd	9:00 ~ 12:00	P	Remote Sensing Technology: Unsupervised Classification	To learn about remote sensing technology using ArcGIS	2, 3		
	13:00 ~ 16:00	P	Remote Sensing Technology: Supervised Classification	To learn about remote sensing technology using ArcGIS	2, 3		
24th			Day off				
25th			Day off				
26th			Day off				

27th	9:00 ~ 12:00	P	Remote Sensing Technology: Supervised Classification and Tabulate Area	To learn about remote sensing technology using ArcGIS	2, 3		
	13:00 ~ 16:00	P	Remote Sensing Technology: Change Detection, Tabulate Area, and Replacement of Clouds	To learn about remote sensing technology using ArcGIS	2, 3		
28th	9:00 ~ 12:00	L	Use of SAR Data	To learn the basic knowledge and application of remote sensing technology using microwaves	2, 3		
	13:00 ~ 16:00	L	Use of SAR Data	To learn the basic knowledge and application of remote sensing technology using microwaves	2, 3		
29th	9:00 ~ 12:00	P	Use of SAR Data	To learn the basic knowledge and application of remote sensing technology using microwaves	2, 3		
	13:00 ~ 16:00	P	Use of SAR Data	To learn the basic knowledge and application of remote sensing technology using microwaves	2, 3		
30th	9:00 ~ 12:00	P	Use of SAR Data	To learn the basic knowledge and application of remote sensing technology using microwaves	2, 3		
	13:00 ~ 16:00	P	Use of SAR Data	To learn the basic knowledge and application of remote sensing technology using microwaves	2, 3		↓
31st	11:00 ~ 12:00		ShinSapporo Arc City Hotel → JICA Hokkaido				
32nd			Day off				
33rd	9:00 ~ 12:00	P	GIS Technology: Invest Model	To understand the calculation of carbon budget using Invest model	1, 2, 3, 4		
	13:00 ~ 16:00	P	Estimation of Tree Carbon Storage	To learn about how to estimate tree carbon storage	1, 4		
34th	9:00 ~ 12:00	P	GIS Technology:Preparation of Land Cover Map of Nopporo Forest Park (Removal of Small Shadows) and Display of 3D Image	To learn how to prepare a land cover map and to display 3D image	2, 3, 4		
	13:00 ~ 16:00	P	GIS Technology:Use of Raster Data for GPS (Installation of Land Cover Map of Nopporo Forest Park in GPS Device), Photo Database	To learn to perform the onsite confirmation of analysis results	2, 3, 4		
35th	9:00 ~ 12:00	P	Ground Truth	To be able to perform ground truth by using GPS	2, 3		
	13:00 ~ 16:00	P	Estimation of Carbon Storage	To learn to estimate carbon storage	2		
36th	9:00 ~ 12:00	P	Remote Sensing Technology: Accuracy Assessment of Nopporo Forest Park Data	To understand accuracy report	2, 3		
	13:00 ~ 16:00	P	Object-based Classification	To acquire knowledge and experience concerning object-based classification such as e-cognition	2, 3		
37th	9:00 ~ 12:00	P	Object-based Classification	To acquire knowledge and experience concerning object-based classification such as e-cognition	2, 3		
	13:00 ~ 16:00	P	Object-based Classification	To acquire knowledge and experience concerning object-based classification such as e-cognition	2, 3		
38th			Day off				
39th			Day off				
40th	9:00 ~ 12:00	P	Object-based Classification	To acquire knowledge and experience concerning object-based classification such as e-cognition	2, 3		
	13:00 ~ 16:00	P	Object-based Classification	To acquire knowledge and experience concerning object-based classification such as e-cognition	2, 3		
41st	9:00 ~ 12:00	P	Points to Keep in Mind for Change Detection and Geometric Correction	To learn about positional accuracy which is the foundation for change detection	2, 3		↓
	13:00 ~ 16:00	P	Thermal Infrared Remote Sensing and Its Application	To learn about the use of thermal infrared data for remote sensing such as forest fire monitoring	2, 3	JICA Hokkaido	
42nd	9:00 ~ 12:00	P	Review		2, 3, 4		
	13:00 ~ 16:00	P	Review		2, 3, 4		
43rd	9:00 ~ 12:00	P	Preparation of Action Plan		5		
	13:00 ~ 16:00	P	Preparation of Action Plan		5		
	16:00 ~ 16:30		Meeting with Travel Agent about Return Flight				
44th	9:00 ~ 12:00	P	Preparation of Action Plan		5		
	13:00 ~ 16:00	P	Preparation of Action Plan		5		
45th			Day off				
46th			Day off				
47th			Day off				
48th	9:30 ~ 12:30	Pr	Action Plan Presentation				
	14:00 ~ 16:00		Evaluation Meeting				
	17:30 ~ 18:00		Closing Ceremony				↓
	18:30 ~ 19:30		Farewell Party				
49th			Leave Japan				

L: Lecture O: Observation P: Practical Training Pr: Presentation D: Discussion

*1 RGU: Rakuno Gakuen University *2 JAXA: Japan Aerospace Exploration Agency *3 NIES: National Institute for Environmental Studies

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 REDE 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 use 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. **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.**

(2) Recommendable Qualifications

- 1) Expectations for the Participants:
- 2) 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**.

*Pregnancy

Pregnant participants are strictly requested to attach the following documents in order to minimize the risk for their health.

1. letter of the participant's consent to bear economic and physical risks
2. letter of consent from the participant's supervisor
3. doctor's letter with permission of her training participation.

Please ask JICA Staff for the details.

(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 by July 1, 2014**)

(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.*

(3) Notice of Acceptance

Notification of results will be made by the JICA office **not later than August 1, 2014**.

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 :** jicahkic@jica.go.jp and sictp1-sub@jica.go.jp

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

JICA Tokyo International Center (TIC)

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

TEL: 81-3-3485-7051 FAX: 81-3-3485-7904

*(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 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.

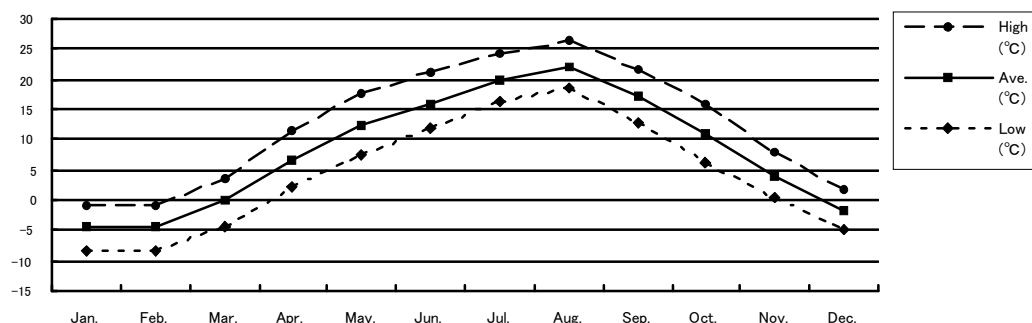
6. Pre-departure Orientation:

A pre-departure orientation will be held at the respective country’s JICA office, 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



	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
High (°C)	-1	-0.8	3.4	11.4	17.8	21	24.2	26.3	21.7	15.9	7.8	1.7
Ave. (°C)	-4.4	-4.4	-0.2	6.5	12.2	16	19.8	22.1	17.1	11	4.1	-1.6
Low (°C)	-8.4	-8.5	-4.2	2.1	7.3	11.9	16.4	18.7	12.8	6.3	0.4	-5
Snow(cm)	58	83	64	2							5	28

Typical Seasonal Wear: (September - October) Long-sleeves, Light Jacket, Sweater.

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/VHS Video 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)

VI. ANNEX:

J14-04387

Remote Sensing of Forest Resources(B) (JFY 2014)

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 **by July 1, 2014**. 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.

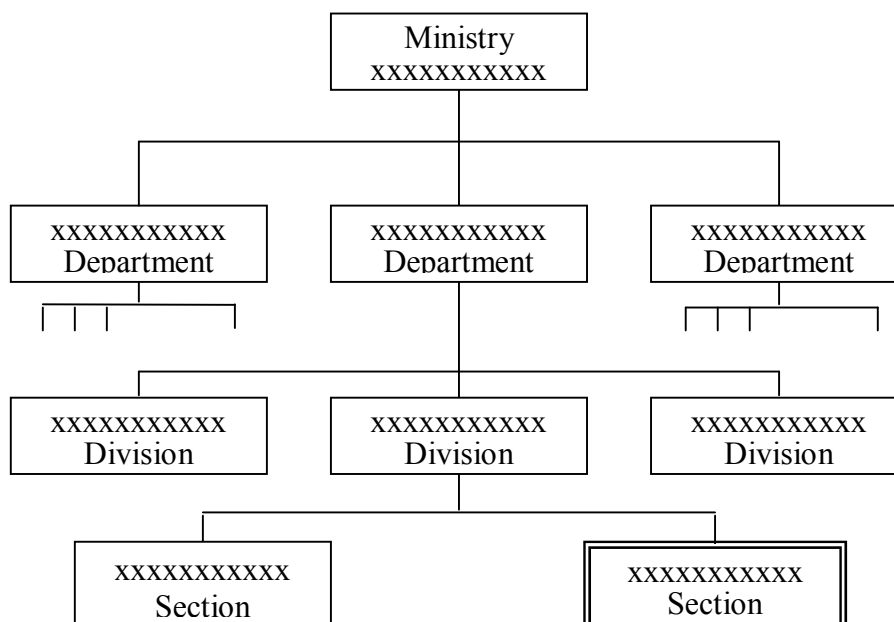
NOTE: Participants are requested to give a 20 minutes presentation and discuss about the situation of forestry management in respective country at beginning of the program by country. So, participants from the same country must prepare a single presentation by country, not by personal.

1. Basic information

Name	
Organization	
Position	
Country	

2. Outline of the participant's Organization

(Example :)



3. Description of your job experiences

Period	From _____ to _____
Organization	_____
Position	_____
Outline of duties:	

4. 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, and
- 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.

5. Current development of remote sensing of Forest Resources in the applicant's country

6. 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)

7. On-going efforts to specifically cope with the problems mentioned in 6. above. (If any)

8. The applicant's role in development and application of remote sensing in the country

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

	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)						

10. The applicant's knowledge 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 more than one</u>
Measuring	Unmanned Aerial vehicle			
	Ground truth with GPS and Camera			
Storing	Collecting data from Internet			
	How to create GIS database			
	Post processing UAV data	Point cloud from UAV data		
		Ortho rectified photo		
	Pre/post processing satellite image(optical)	Data management (clip/mosaic/reproject /layer stuck/pansharpening)		
		Convert value to DN to Radiance and to Reflectance		
		Atmospheric collection		
		Topographic collection		
	Pre/post processing satellite image(SAR)			
Analyzing	Calculating index	Vegetation		
		Soil		
		Water		
	Enhancement			
	Classifying satellite images	Unsupervised		
		Supervised		
		Objectbase classification		
	Analyzing time series data	Change detection		
	Spatial data analysis with GIS	Basic statistical method for spatial analysis		
		Potential map with MCE concept		
		Calculate Carbon stock using GIS model		
		Summarizing data		
Visualizing	3D visualization			
	How to create a beautiful map			

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

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

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