



TRAINING AND DIALOGUE PROGRAMS

**GENERAL INFORMATION ON
CAPACITY BUILDING FOR NATIONAL FOREST MONITORING
SYSTEM TO PROMOTE REDD**
**集団研修「国家森林モニタリングシステム整備のための人材育成」
JFY 2011**
<Type: Leaders Training Program / 類型：人材育成普及型>
NO. J1100850 / ID. 1180152
From 25th September 2011 to 19th November 2011

This information pertains to one of the Training and Dialogue Programs 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

It is estimated that deforestation and forest degradation accounts for 20% of the worlds' greenhouse gas emission. Establishment of National Forest Monitoring System (NFMS) is essential to acquire accurate information of the forest at national level for Reducing Emissions from Deforestation and Forest Degradation (REDD). Therefore, capacity building of human resources to formulate NFMS, including monitoring, analysis and reporting system, based on technical knowledge is highly needed.

For what

Building capacity to be responsible for the development of national forest monitoring system (NFMS) based on the technical knowledge on how to collect the data for estimation of forest carbon stock change and GHG emissions/removals.

For whom

Government official or researcher of related institutions who is engaged in the climate change measures in forestry sector.

II. Description

1.Title (J-No.): Capacity Building for National Forest Monitoring System to promote REDD (J1100850)

2.Period of program in Japan: 25th September 2011 to 19th November 2011
Duration of whole program: July 2011 to February 2012

3.Target Countries: Cambodia, Papua New Guinea, Bolivia, Paraguay, Ethiopia, Ghana, Malawi, Cameroon, Gabon, Mozambique

4.Overall Goal

NFMS will be developed based on the technical knowledge and institutional arrangement which are learned through the training course. The NFMS shall be appropriate one considering the condition and situation of each country.

5.Objective

Building capacity to be responsible for the development of national forest monitoring system (NFMS) based on the technical knowledge on how to collect the data for estimation of forest carbon stock change and GHG emissions/removals.

6.Eligible / Target Organization

Central administrative bodies/offices that control forest and watershed management in developing countries

7.Total Number of Participants: 10

8.Language to be used in this project: English

9. Contents

The program consists of the following components:

Preliminary Phase in a participant's home country (July 2011 to August 2011) <i>Participants are required to prepare for the Program in the respective country.</i>	
Module	Activities
*Country Report (ANNEX) for all applicants	Formulation and submission of country report with application form

*Each participant is requested to present the country report in English at the beginning of the training course. (10 minutes per each)

Core Phase in Japan (25 th September 2011 to 19 th November 2011) <i>Participants attend the Program in Japan.</i>		
Structure of the program (The program is subject to minor changes.)		
Module output	Contents	Style
1. Participants will be able to understand international framework against climate change in forestry sector (REDD and A/R CDM)	Basic rule of climate change measures in forestry sector, LULUCF, A/R CDM, reducing emissions from deforestation and forest degradation and the role of conservation, sustainable management of forests and enhancement of forest carbon stocks in developing countries (REDD-plus).	Lecture, Presentation of Country Report
2. Participants will be able to find out required NFMS in their country through the analysis of Japan and other countries' NFMS.	Japan's NFMS, measuring, estimating and reporting system of forest carbon stock change and GHG emissions/removals. Estimation methods using forest planning information database, yield table, GIS and field survey of Permanent Sample Plots.	Lecture, Research, Practice
3. Participants will be able to estimate forest carbon stock change and GHG emissions/removals through the field work to survey	Forest resources survey technique: field measurements, number and location of measurement plots, destructive sampling of tree biomass, creating biomass regression	Lecture, Practice

forest resources.	equations, estimation methods of forest carbon stock change and GHG emissions/removals	
4. Participants will be able to study GPS, GIS and remote sensing technology and its application to estimate forest carbon stock change and GHG removals.	Remote Sensing using aerial photos and satellite imagery, GIS in Forest: from survey to spatial analyses, GPS survey, land use and land use change, application to estimate forest carbon stock change and GHG removals.	Lecture, Practice
Participants will be able to make draft plan of NFMS and its action plan for the home countries.	Case study of NFMS in developed countries approaches to develop NFMP in measuring, estimation and reporting of forest carbon stock change and GHG removals. Draft plan of NFMS and its action plan. Presentation and Discussion in open seminar.	Action Plan presentation

Finalization phase in a participant's home country (November 2011 to February 2012) <i>Participating organizations produce final outputs by making use of results brought back by participants.</i>	
Modules	Activities
Presentation and Lecture	<ul style="list-style-type: none"> • Give lectures or presentation of the outcomes and lessons learnt through the course to diffuse his/her knowledge and experiences. • Present action plan in his/her organization to improve, or formulate, National Forest Monitoring System.
Questionnaire	Answer questionnaire from JICA to report the progress. (After 3 month of his/her return)

III. Conditions and Procedures for Application

1. Expectations for 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 program 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 program to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.
- (3) As this program is designed to facilitate organizations to come up with concrete solutions for their issues, participating organizations are expected to make due preparation before dispatching their participants to Japan by carrying out the activities of the Preliminary Phase described in section -9.
- (4) Participating organizations are also expected to make the best use of the results achieved by their participants in Japan by carrying out the activities of the Finalization Phase described in section -9.

2. Nominee Qualifications

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

Applicants should:

- 1 be nominated by their government in accordance with the procedures mentioned in 4 . "Procedure for Application and Selection" below,
- 2 Government official or researcher of related institutions who is engaged in the climate change measures in forestry sector.
- 3 have working experience in national forestry policy or climate change measures more than 3 years
- 4 be motivated, and able to diffuse his/her knowledge to improve the NFMS of home country after completing this course
- 5 be university graduate,
- 6 be not more than forty five (45) years of age,
- 7 **have sufficient command of English,**
(During the course program, participants are requested to give presentation and actively participate in discussions. Communication skill in English is highly important.)
- 8 **be in good health, both physically and mentally, to undergo the course of training including many field works in forest area.**
- 9 not be serving in the military.

Note: Pregnancy

This program includes many field works and practices outside Tokyo, which may be a heavy burden to a pregnant woman. Therefore pregnancy could be regarded as the condition of disqualification.

3. Required Documents for Application

(1) Application Form

(2) Country Report (Annex) – to be submitted with application form

Note: Country report will be assessed for the applicants' screening.

4 . Procedure for Application and Selection

(1) Submitting the Application Documents

Closing date for application to the JICA Center in JAPAN: **August 12th 2011**

Note: Please confirm the closing date set by the respective country's JICA office or Embassy of Japan of your country to meet the final date in Japan.

(2) Selection

After receiving the document(s) through due administrative procedures in the respective government, the respective country's JICA office (or Japanese Embassy) shall conduct screenings, and send the documents to the JICA Center in charge in Japan, which organizes this project. Selection shall be made by the JICA Center in consultation with the organizations concerned in Japan based on submitted documents according to qualifications. The organization with intention to utilize the opportunity of this program will be highly valued in the selection.

(3) Notice of Acceptance

Notification of results shall be made by the respective country's JICA office (or Embassy of Japan) to the respective Government by **not later than August 26th 2011**

5 . Conditions for Attendance:

- (1) to observe the schedule of the program,
- (2) not to change the program subjects or extend the period of stay in Japan,
- (3) not to bring any members of their family,
- (4) to return to their home countries at the end of the program in Japan according to the travel schedule designated by JICA,
- (5) to refrain from engaging in political activities, or any form of employment for profit or gain,
- (6) to observe the rules and regulations of their place of accommodation and not to change the accommodation designated by JICA, and
- (7) to participate the whole program including a preparatory phase prior to the program in Japan. Applying organizations, after receiving notice of acceptance for their nominees, are expected to carry out the actions described in section -9 and section -4.
- (8) 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.

IV. Administrative Arrangements

1. Organizer: JICA Tokyo International Center (JICA TOKYO)

Contact: jicatic@jica.go.jp

2. Implementing Partner: Japan International Forestry Promotion and Cooperation Center (JIFPRO)

URL: http://www.jifpro.or.jp/Top_E.html

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

Term of Insurance: From arrival to departure in Japan *the traveling time outside Japan shall not be covered

4. Accommodation in Japan

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

JICA Tokyo International Center (JICA TOKYO)

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 TOKYO, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of TIC at its URL,

<http://www.jica.go.jp/english/contact/domestic/pdf/welcome.pdf>

5. Expenses

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

- (1) Allowances for accommodation, 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 p. 9-16 of the brochure for participants titled "**KENSHU-IN GUIDE BOOK**" which will be given to the selected participants before (or at the time of) the pre-departure orientation.

6. Pre-departure Orientation

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

V. Annex

Country Report

Please make the report in **A4 size paper** covering the following items as much as possible, including tables and charts if necessary. Please send the country report **by August 12th** with application form. Country report will be assessed for applicants' screening.

Outline of country report

Name of applicant

Name of organization and country

1. Introduction: Brief explanation of your country
 - (1) Geographical location of your country
 - (2) Climate & Topography
 - (3) Economy (main industry.. etc.)
2. Brief Explanation of Organizational Framework and scope of your job
 - (1) Name of the Organization
 - (2) Missions of the Organization
 - (3) Organization chart
 - (4) Outline of the duties of your department/division
 - (5) Description of your job (responsibilities, main assignments, etc.)
 - (6) Past experiences;

Have you ever conducted forest plot sampling?	(Yes/ No)
Have you ever conducted destructive sampling of forest?	(Yes/No)
Have you ever classified forest according to types by analyzing satellite imagery?	(Yes/No)
Have you ever used GIS software?	(Yes/No)
3. Current status of National Forest Monitoring system in your country
 - (1) Current status of National Forest Monitoring System (NFMS) / National Forest Inventory (NFI)
 - (2) Challenges and difficulties about NFMS / NFI in your country
 - (3) Your personal idea to improve the situation
 - (4) National REDD+ Strategy (if any)
 - (5) Description of demonstration project for REDD+ (if any)

Country Report Presentation

At the beginning of the core phase in Japan, each participant is requested to make an approximately **10minites** presentation based on country report. Purpose of the presentation is to share each country's situation of forest and NFMS/NFI among participants, implementing partner and JICA.

Presentation style– Microsoft PowerPoint recommended

It is recommended to use PowerPoint (if possible) to present your Country Report. Visual materials such as photograph, map, table or charts will help better and clear understanding of your presentation.

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 or the Embassy of Japan. Further, address correspondence to:

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