

13. Nature Conservation

Target Countries: Countries and regions where mangroves are distributed		6 participants
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : English, Vietnamese		
Appeal		
This program is designed for person who is engaged in conservation, rehabilitation and management of mangrove ecosystems to acquire knowledge and skills.		
Objective / Output	Target Organization / Group	
To share the knowledge and techniques for conservation, rehabilitation and management of mangroves and integrated coastal ecosystems with the organizations engaged in this field. (1)Understand the main roles and functions of mangrove ecosystems, and explain the importance of conservation, effective ways of monitoring and utilization of mangrove resources including ecotourism.(2)Acquire the basics knowledge of plant taxonomy, forest ecology, nursery/plantation techniques, and to be able to apply them when collecting seedling/propagures, raising and managing nurseries.(3)Understand the integrated relation of mangrove ecosystems and their neighboring sea-grass bed and coral reefs ecoststems; and to be able to explain the need of conservation of integrated coastal ecosystems as a whole.(4)Acquire basic technique of making promotional or educational materials, presentation skills and to formulate an action plan on how to share the knowledge and the techniques.(5)To report the action plan formulated in Japan at respective organizations, and will be accepted.	[Target Organization] Governmental organizations or NGOs involved in conservation, rehabilitation and management of mangroves and coastal ecosystems. [Target Group] (1)Current duties: be presently working in the field of conservation/rehabilitation of mangroves as a leader (or an expected leader). (2)Have more than three (3) years of experience in the above mentioned field. (3)Age: be between 25 and 40 years of age. (4)University graduate or equivalent	
Contents	Program Period	2011 / 5/24 ~ 2011 / 8/13
<Activity in Preliminary Phase in home country> Formulation of Country report which describes the present situation of mangrove ecosystems in the participants' countries and roles of their organization. <Activity in Core Phase in Japan> This program consists of lectures, field work, observation tours, and discussion. (1)Importance of mangrove forest as a coastal ecosystem, Introduction to mangrove ecology, Method of phytosociology, Remote sensing, Environmental education (2)Mangrove reforestation and regional development, Identification of mangrove plants, Mangrove in Miyako-island, Mangrove reforestation cases in the world (3)Introduction to the coral reef ecology, Shallow water fisheries resource management, Ecosystem in tropical seagrass bed (4)Developing presentation skills and materials, Photography techniques, Formulation and presentation of action plans and project proposals <Activity in Finalization Phase in home country> (5)Share and discuss, modify the action plan in respective organizations	Implementing Partner	International Society for Mangrove Ecosystems (ISME)
	JICA Center	JICA Okinawa
	Cooperation Period	2010~2012
	Remarks and Website	We will conduct shorter course for Vietnam around January to February 2012

Target Countries: Tropical and subtropical countries with coastal lines		10 participants
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : English		
Appeal		
This programe is designed for those involved in Environmental Education(EE) to implement effective conservation activities of coastal ecosystems.		
Objective / Output	Target Organization / Group	
<p>[Course Objective] To understand the importance of coastal ecosystems and relationship between lives of local communities, and to share the knowledge and techniques to promote EE(Environmental Education) effectively for sustainable development of coastal ecosystems, with the organizations engaged in planning, promoting and implementing the EE.</p> <p>[Expected Module Output] (1) Understand and explain roles, functions and importance of mangroves and integrated coastal ecosystems, ways of sustainable utilization and their linkages to the lives of local communities. (2) Understand and explain what is EE in comparison with other educational models. (3) Understand and demonstrate simple methods of monitoring coastal ecosystems; to be able to explain on the differences and issues of traditional and modern ecotourisms. (4) Formulate an action plan on how to share the knowledge and the techniques of EE for sustainable development. (5) Report the action plan formulated in Japan at respective organizations, and the report will be accepted in the organizations.</p>	<p>[Target Organization] Governmental organizations, educational institutions and NGOs involved in environmental education</p> <p>[Target Group] (1) Be involved (currently or possibly in the near future) in planning or promoting environmental education. (2) Have more than two (2) years' practical experience in the above field. (3) Age: be between 24 and 35 years of age. (4) University Graduate or Equivalent</p>	
Contents	Program Period	2011 / 9/20 ~ 2011 / 11 / 5
<p><Activity in Preliminary Phase in home country> Formulating a Job Report describing the present situation of environmental education in the participants' countries, and participants' detailed work and roles of their organization.</p> <p><Activity in Core Phase in Japan> (1) Coastal ecosystems (coral reef, sea grass bed), Reptile and malocology in coastal ecosystems, Fishes and environmental issues (2) Outline of EE, Introduction of community-based project and the lessons, Pollution Disease and regional revitalization in Minamata, Regional revitalization (3) Ecotourism in Japan, Research and monitoring method of phytosociology, Ecotourism as a tool of EE and community development (4) How to write practical action plan, Methodologies for effective presentation, Writing an action plan</p> <p><Activity in Finalization Phase in home country> (5) Share and discuss, modify the action plan in respective organizations</p>	Implementing Partner	International Society for Mangrove Ecosystems (ISME)
	JICA Center	JICA Okinawa
	Cooperation Period	2010~2012
	Remarks and Website	

Target Countries: <input type="text"/>		7 participants
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : English		
Appeal		
The program is designed for the staffs of institutions in charge of environment/forest management to disseminate knowledge and skills on carbon budget measurement of tropical forest and to enhance forest carbon management initiative of developing countries internationally in such scene as UNFCCC(United Nations Framework Convention on Climate Change), IPCC(Intergovernmental Panel on Climate Change), etc.		
Objective / Output	Target Organization / Group	
<p>【Course Objective】 Participants' organization shall make(finalize) the action plan of disseminating knowledge and skills in forest carbon accounting and climate change mitigation on the basis of participant's training in Japan and Indonesia.</p> <p>【Expected Module Output】 1: To identify and introduce problems in participant's country in terms of forest status. 2: To be able to explain global warming and deforestation. 3: To be able to explain concepts and concerns regarding forest ecology, physiology and forest carbon budget. 4: To be able to practice reforestation, seedling cultivation and carbon stock and budget measurements. 5: To be able to make and share action plan to disseminate knowledge and skills acquired in this program among concerned people in the participant's belonging organization.</p>	<p>【Target Organizations】Research institution, government/ministries and agencies involved with environment and forest management</p> <p>【Target Groups】Researchers/technicians/policy makers woking in research institution or governmental agencies in charge of environment and forest management. Those who have more than 5 years of practical experience in the relevant field . Counterpart of JICA's projects will be prioritized.</p>	
Contents	Program Period	2011 / 6/27 ~ 2011 / 7/22
<p>【Preliminary Phase in home country】 Preparation of country/job reports on policies and problems of forest managemant in own countries.</p> <p>【Core Phase in Japan】(Lectures, Case study, Practices, Field visit, Discussion and Presentation) 1: Presentation and discussion of country /job Reports, Lecture and Discussion on trends in climate change, deforestation, global warming and condition of world forests. 2: Lecture and Discussion in Japan on forest ecology, physiology and carbon sequestration. 3: Practice for reforestation, seedling cultivation and carbon budget measurement (Basic Training in Japan)</p> <p>【Third Country Phase in Indonesia】 Lecture on Degradation and Restoration of Kalimantan Peat Swamp Forest, Practical Training of carbon budget measurement. Make action plan to disseminate knowledge and skills acquired in this program.</p> <p>【Finalization Phase in home country】 Revise and finalize action plan and submit the final version to JICA overseas office with recognition of director of the participant's organization within 4 months after the training program.</p>	Implementing Partner	Ehime University
	JICA Center	JICA Shikoku
	Cooperation Period	2010~2012
	Remarks and Website	The above training period include complementary phase in Indonesia (from July 23rd to July 31th) after the training in Japan. URL; http://www.ehime-u.ac.jp/english/index.html

Target Countries: Countries for grant aid of "The Forest Preservation Programme"		9 participants
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : English		
Appeal		
There are not sufficient systems or personnel in many developing countries so that they can investigate the forest resources, which is a basic information for REDD. Therefore, it is important to use remote sensing which provide a extensive information of forest resources efficiently and effectively. This program will support the REDD-related activities for them by the Japanese technology of the remote sensing of forest resources.		
Objective / Output	Target Organization / Group	
<p><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.</p> <p><Objective for each unit> 1.To overview the present situation and issues of forest management in their own countries 2.To acquire the current knowledge about the REDD using a remote sensing 3.To learn about the basic theory and skills of remote sensing 4.To acquire the knowledge and technique for the practical use of remote sensing of forest resources 5.To acquire the knowledge and technique for the practical use of GIS/GPS of forest resources 6.To formulate the practical Action Plan(Proposal) for solving their issues</p>	<p><Target Organization>Forestry Department, Department of Environment and Natural Resources, REDD, Nature Conservation, Wildlife Management, <Expected Job Title>Technical officials and researchers who are engaging in the forestry management or REDD. <Expected Job Experience>Participants should have more than 3 years of practical experience in the relevant field. <Others>Personnel who can operate PC, have a sufficient English ability and enough strength left to go through in the field.</p>	
Contents	Program Period	2011 / 7 / 18 ~ 2011 / 8 / 20
<p>1. Formulation, submission and presentation of the Country Report 2. International methodology such as IPCC guideline to keep up with REDD 3. Earth observatory satellites, basic theory of remote sensing, Characteristics of electromagnetic wave, Spectral Reflectance 4. Case study of remote sensing 5. Image processing of satellite images using a PC 6. Calculation of various index models of vegetation 7. ALOS/PALSAR usage for the forest mapping 8. Basic usage of GIS/GPS 9. satellite images/Data Acquisition for GIS in the open-air 10. Space Analysis using GIS 11. Formulation of Action Plan(Proposal) for understanding the forest inventory in their own countries using remote sensing</p>	Implementing Partner	Rakuno Gakuen University
	JICA Center	JICA Sapporo
	Cooperation Period	2011~2013
	Remarks and Website	

Target Countries: Countries plan to be equipped with hardware and software for NFMS		10 participants
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : English		
Appeal		
National Forest Monitoring System (NFMS) is urgently needed in developing countries to promote REDD-plus mechanism. This training course provides technical knowledge and institutional design for the development of NFMS.		
Objective / Output	Target Organization / Group	
<Course Objective> To build capacity for the development of NFMS based on technical knowledge on data collection to estimate forest carbon stock change and GHG emissions/removals. <Objective for each unit> Participants will be able to... 1. understand international framework against climate change in forestry sector (REDD and A/R CDM) 2. find out required NFMS in their country through the analysis of Japan and other countries' NFMS. 3. estimate forest carbon stock change and GHG emissions/removals through the field work to survey forest resources. 4. Explain GPS, GIS and remote sensing technology and its application to estimate forest carbon stock change and GHG removals. 5. Make draft plan of NFMS and it's action plan for his/her home country.	<Target Organization>Central administrative bodies/offices that control forest and watershed management in developing countries <Expected Job Title>Government official or researcher of related institutions who is engaged in the climate change measures in forestry sector. <Expected Job Experience>have Bachelor's degree and working experience in national forestry policy or climate change measures more than 3 years. <Other Qualifications>Pregnancy is regarded as a condition of disqualification.	
Contents	Program Period	2011 / 9/25 ~ 2011 / 11 / 19
<Preliminary phase> Submission of Country Report <Core phase in Japan> 1. Basic rules of climate change measures in forestry sector, LULUCF, A/R CDM, REDD-plus. 2. Japan's NFMS, forest carbon stock change and GHG emissions/removals. Estimation methods using database, yield table, GIS and field survey of Permanent Sample Plots. 3. Forest resources survey technique: field measurements, measurement plots, destructive sampling of tree biomass, biomass regression equations, etc. 4. Remote Sensing using aerial photos and satellite imagery, GIS in Forest, GPS survey, land use and land use change, application to estimate forest carbon stock change and GHG removals. 4. Case study of NFMS. Approaches to develop NFMP. Draft plan of NFMS. Action Plan presentation. <Finalization phase> Make presentation or lecture in home countries to diffuse the knowledge gained through the program and to present Action Plan. Answer questionnaire about the progress of Action Plan.	Implementing Partner	JIFPRO
	JICA Center	JICA Tokyo(Economy&Env.)
	Cooperation Period	2011~2013
	Remarks and Website	

Target Countries: <input type="text"/>		7 participants
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : English		
Appeal		
This program is designed to introduce eco-tourism with public participation as a tool for the sustainable use of natural and cultural resources.		
Objective / Output	Target Organization / Group	
[Course Objective] Draft plans to introduce and disseminate ecotourism as a tool for sustainable regional development involving local residents for areas, where the introduction of ecotourism is expected, are formulated by the target organizations. [Expected Module Outputs] (1) To be able to understand and explain philosophy and measures related to ecotourism in the context of sustainable use of natural and cultural resources. (2) To be able to discuss plans to promote ecotourism in consideration of environmental conservation. (3) To be able to explain methods for establishing a network of locals and related parties. (4) To be able to formulate the Interim Report for introducing method of ecotourism .	[Target Organizations] Organization or NGOs of central/local government which is engaged in regional development by promoting the eco-tourism for conservation of natural environment and cultural resources [Target Group] * Mid-level administrative officers or planner who promotes ecotourism. * Have more than two years experiences	
Contents	Program Period	2011 / 8/22 ~ 2011 / 10 / 6
[Preliminary Phase in home country] Submission of Inception Report: Issue Analysis at target area/protected area [Core Phase in Japan] (1) Management and operation of national parks in Japan, ecotourism measures in Japan, general theory of ecotourism, operation of facilities in natural parks and raising of public awareness. (2) Implementation of model ecotourism program to secure the conservation of natural and cultural resources. (3) Implementation of ecotourism programs in cooperation with communities, and establishment of a database (a phenological (topographic) calendar). (4) Discussion on the formulation of draft plans to introduce and disseminate ecotourism [Finalization Phase in home country] Submission of Final Report: Final drafts for introducing method of ecotourism and plan for its dissemination within six months after returning home country.	Implementing Partner	Kushiro International Wetland Center
	JICA Center	JICA Obihiro
	Cooperation Period	2010~2012
	Remarks and Website	http://www.kiwc.net/english/main.html

Target Countries: <input type="text"/>		15 participants
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : English		
Appeal		
This program is designed for forest management organization to carry out forest conservation through a variety of activities based on community participation.		
Objective / Output	Target Organization / Group	
[Course Objective] The methods of dissemination and teaching necessary to carry out forest conservation projects with community participation will be shared with related departments in the target organization. [Expected Module Outputs] (1) To be able to explain techniques to generate effective results from various forest conservation with community participation. (2) To be able to practice approaches to ascertain the effectiveness of forest resources and forests. (3) To be able to explain the roles of forests in biodiversity conservation. (4) To be able to practice activities with knowledge and skills acquired in the area of forests and forestry.	[Target Organizations] Forest management organizations in public sector [Target Group] (1) Extension officer on forest conservation. (2) Current duties: have general knowledge about forestry science and related basic knowledge about forest management, with more than 3 years of experience in related area. (3) In good health, both physically and mentally. (4) not be pregnant, as this program includes field exercises.	
Contents	Program Period	2011 / 8/15 ~ 2011 / 11 / 19
[Preliminary Phase in home country] Prepare the Inception report which includes organization chart and facing issues and problems. [Core Phase in Japan] Following lectures, practical exercises, observations and discussions are provided. (1) Current situation and challenges in Japan, local administration, Japan's cooperation, community based forest conservation, participatory approach. (2) Estimation of forest resources, forest establishment, sustainable use of forest resources. (3) Ecology and biodiversity of forests. (4) Dissemination systems and methods of forest management in Japan, the PCM method. (5) Interim report making, which includes practical action plan. [Finalization Phase in home country] Reporting in home country, authorize the Action plan and submit the Final report within 6 months after the training in Japan.	Implementing Partner	Japan Overseas Forestry Consultants Association
	JICA Center	JICA Obihiro
	Cooperation Period	2010~2012
	Remarks and Website	

Target Countries: <input type="text"/>		16 participants
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : English		
Appeal		
This program is designed for staff in charge of forest management and coordinator for rural area to implement suitable and organizational action for SFM.		
Objective / Output	Target Organization / Group	
<p>Participants start working with his/her organization to create a consensus among the concerned parties for formulation of the suitable and feasible program for each country on SFM.</p> <p>Participants will be able to explain the global efforts, framework, criteria and indicators on SFM, and be able to describe domestic issues to promote SFM.</p> <p>Participants will be able to draw up concrete measures for SFM in their countries.</p> <p>Participants will be able to draw up action plan to implement the concrete measures taking into account cooperation with relevant organization such as international organization and NGO.</p> <p>Participants will be able to make up the feasible proposal according to the action plan.</p> <p>Participants will be able to make sufficient materials to implement action plan by his/her organization.</p>	<p><Target Organization> Central government staff responsible for policy planning and local government / organization staff in charge of project implementation</p>	
Contents	Program Period	2011 / 8 / 31 ~ 2011 / 11 / 19
<p>On the basis of knowledge acquisition on the global efforts, framework on SFM, participants see the picture of their own progress on SFM. Participants can also enrich their understanding through the discussion among them.</p> <p>Through study tour and lectures, participants grasp the visual image and idea for enhancement SFM with criteria and indicators in their countries. These will help drawing up concrete measures for SFM in their countries.</p> <p>Through lectures and study tour, participants get more understanding of actual schemes adopted by international aid agency, NGO and private company. Utilizing the acquaintance, participants draw up feasible action plan.</p> <p>Through a case study method, participants make up feasible proposal to his/her organization. Several drills and discussions support enhancement of feasibility efficiently.</p> <p>Through lectures and case study method, participants prepare supportive materials to have the action plan be feasible. These materials also can be utilize for dissemination to the relevant parties such as rural people, NGO and international aid organization.</p>	Implementing Partner	Forestry Training Institute, Forestry Agency
	JICA Center	JICA Tokyo(Economy&Env.)
	Cooperation Period	2010~2012
	Remarks and Website	

Target Countries:		6 participants
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : English		
Appeal		
To develop planning capacity on participatory forest and watershed conservation project involving various stakeholders as administration bodies and local people.		
Objective / Output	Target Organization / Group	
<p>[Objectives]The participant of a forest and watershed management office will propose an action plan for watershed conservation which involves various stakeholders in a certain area, and this office will study the action plan and the possibilities of the project based on the plan.</p> <p>[Expected Results] (1)Participants examine applicability factor after comparing with policies and institutions of forest and watershed management between Japan and his/her country, as well as can explain the examination results. (2)Participants can explain roles of forest soil for water and soil conservation and its adverse effects when the forest soil is lost. (3)Participants can understand functions of forest and explain main technology to increase forest functions of water and soil conservation, as well as can propose applicable ideas for his/her countries. (4)Participants can explain role of watershed conservation project in forest area as a countermeasure for climate change and can explain effects to be expected from the project. etc.</p>	<p><Target Organization> Public administrations in charge of forestry or forest management</p> <p><Nominee Qualification> (1) To be engineers engaged in practical services in either administrative organizations or NGOs in charge of forest/forestry, and to be expected to play a leading role (2) To have 5 to 10 years of working experinece in the field (3) To be in good health, both physically and mentally to undergo the program</p>	
Contents	Program Period	2011 / 8 / 24 ~ 2011 / 10 / 22
<p>[Preliminary Phase] Formulation of the Country Report</p> <p>[Core Phase] Forest and forestry in Japan, Forest planning and watershed management in Japan, Comparison and examination of policies and institutions between Japan and his/her countries, international cooperation in forestry sector in Japan, Formation,nature and conservation function of forest soil, Forest soil in Japan and world, Forest soil profile study, Soil types on different topography anddifferent geology, Vegetation and soil, Forest structure and its function, Land use type and water quality/hydrology Forest improvement for water and soil conservation function, Outline of erosion control project and erosion control works, Outline of usage of IT technology for forest conservation , Relation between forest and climate change, Outline and framework of measures in forestry sector for climate change etc.</p> <p>[Finalization Phase] Discussion and examination of draft Action plans within participants' departments/organizations (Discussion with related persons) and formulation of a report</p>	Implementing Partner	Japan Forest Technology Association
	JICA Center	JICA Tokyo(Economy&Env.)
	Cooperation Period	2010~2012
	Remarks and Website	

Target Countries: <input type="text"/>		8 participants
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : English		
Appeal		
Open-source GIS software is taught and it is disseminated in the developing countries to be used for land use planning and/or natural resources management		
Objective / Output	Target Organization / Group	
[Objective] Trainees will become to be able to utilize open-source and free GIS (FOSS-GIS) software, GRASS, in their work and the technology will be shared in their institutions. [Expected Outputs] 1. Present status of land use and natural resources of his/her country will be clarified and the subject for case study in Japan will be decided. 2. Basic theory and techniques of FOSS-GIS and remote sensing will be acquired by using GRASS. 3. Global positioning figures by GPS will be displayed on the map and analysed by GRASS, then, techniques for data sharing through internet will be acquired by using Mapserver technology. 4. GIS-applied studies in Japan will be taught and trainees will work on their own projects as a case study to share the results among trainees. Action Plan is formulated 5. Action Plan is implemented and the acquired technologies will be shared.	[Target Organization] Central / Local Governmental Organization, University, Institute which is involved with land use / natural resource management. [Target Group] Researchers, administrative officers, technicians who is involved with the study / instruction of land use, natural resource management Those who has experience in this field more than 5 years. Those who uses / has experience to use commercial GIS software Those who has basic skill to use PC.	
Contents	Program Period	2011 / 8/28 ~ 2011 / 9/29
[Preliminary Phase] Formulation of Country & Job Report [Core Phase] Lecture, Practice, Observation, and Discussion on the following subjects. 1. Lecture: Basic theory and techniques of FOSS-GIS technology and Remote Sensing / Practice: Install and use of GRASS, analysis of satellite data and graphic display by GRASS 2. Lecture: Basic theory and use of GPS and techniques of Mapserver / Practice: Use fo GPS and analysis by GRASS. Obtaining data set and data sharing through internet / Study: Good practices regarding to land use and natural resources management of Japan / Practice: Case study by each trainee and data sharing of the results among trainees 3. Others: Preparation of action plan [Finalization Phase] Organizational Approval of Action Plan, Submission of Progress Report.	Implementing Partner	Nagoya University
	JICA Center	JICA Chubu
	Cooperation Period	2010~2012
	Remarks and Website	

Target Countries: Asia and Latin American Countries		12 participants
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : English		
Appeal		
This program aims at assisting capacity development in order to strengthen the sustainable forest management by utilizing C&I and forest certification system.		
Objective / Output	Target Organization / Group	
<p>【Program Objectives】The Action Plan (A/P) propose in Japan by participants for development of C&I and forest certification system to enhance sustainable forest management in the respective participants' countries is shared in the participant' belonging organizations. Within three months after the completion of the program in Japan, each participant's belonging organization reports the progress of A/P to JICA.</p> <p>【Expected Modules Output】</p> <p>(1) To define present condition and issues of sustainable forest management in participants' respective countries.</p> <p>(2) To obtain basic knowledge and latest information on global trend of C&I and forest certification.</p> <p>(3) To develop a better understanding of good practices pilot in Japan.</p> <p>(4) To acquire practical knowledge on planning, implementatrion and monitoring of C&I and forest certification in participants' respective countries.</p> <p>(5) To draft A/P based on the acquired knowledge and experience in the training.</p>	Administratarative officials or researchers engaед currently or soon to be engaged in C&I or forest certification.	
Contents	Program Period	2011 / 5/20 ~ 2011 / 7 / 1
<p>【Preliminary phase in participants' home countries】 Preparation of Inception Report on the present situation and problems to be solbed</p> <p>【Lecture】 World trend on Forest Management, Outline of C&I and Forest Management, ITTO Process, Montriol Process, Forest certification system, leveling system, Certified timber, Certified forest products, MAR(Monitoring, Assessment and Reporting etc.</p> <p>【Site Visit and Presentation】 Case study of forest management with forest certification system in Japan, Presentation of Country report and Action Plan</p> <p>【Finalization Phase in a participant's home country】 Participating organizations produce final outputs by making use of results brought back by participants.</p>	Implementing Partner	Northern Regions Center
	JICA Center	JICA Sapporo
	Cooperation Period	2010~2012
	Remarks and Website	

Target Countries: COMIFAC member		10 participants
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : French		
Appeal		
To share Japan's experience on forest prevention and to discuss possible action to be taken in the basin.		
Objective / Output	Target Organization / Group	
[Objective] To examine the concrete methods for the improvement of information management on forest resources will be promoted [Expected Results] (1) To Recapitulate the problems on the improvement of information management on forest resources in each country (2) To Consider the method to apply for the forest conservation/management in countries in Congo basin by utilizing the Japanese techniques on GIS and remote sensing (3) To share the Action Plans formulated during the Core Phase in COMIFAC members	<Target Organization> Organizations or Ministries working with COMIFAC <Target Group> (1) To be an officer working in the rganizations or ministries that are working with COMIFAC (2) To have more than 10 years of experience in forestry sector (3) To have sufficient command of French etc.	
Contents	Program Period	under planning
[Preliminary Phase] Formulation of the Country Report [Core Phase] (1) Presentation and discussion on Country report. Formulation of Action Plan followed by presentation and discussion. (2) Utilization of forest resource infotmation as countermeasure for climate change. Outline of forest certification, Sustainable Green Ecosystem Council ...etc. (3) Outline of forest in Japan, Japan's policy on Forestry, Outilne of forest resource data bank and its utilization, local governments' approach to monitoring of forest resource information..etc [Finalization Phase] Submission of the draft Action Plan to the respective organizations and COMIFAC Submission of the finalized Action Plan to the people concerned in Japan within three months after the end of the Core Phase	Implementing Partner	Japan Forest Technology Association
	JICA Center	JICA Tokyo(Economy&Env.)
	Cooperation Period	2009~2011
	Remarks and Website	

Target Countries: <input type="text"/>		5 participants
Sector : Nature Conservation/Conservation of Biodiversity		
Sub-Sector :		
Language : English		
Appeal		
The objective of this program is aimed to be achieved by accumulating of each year's achievement over three years. In the first year, participants will acquire the knowledge/experience of satellite image analysis by GIS in the target area and method for collection data, in the second year, formulate their Trial Plans (draft) to solve issues by PCM, and in the third year, complete their Trial Plans after discussion on countermeasures for issues.		
Objective / Output	Target Organization / Group	
<p>[Project Objective] Core organizations in target areas involved in wildlife management planning will formulate Trial Plans that include preventive and problem-solving measures to eliminate friction between wildlife and humans, such as damage in agriculture and forestry, infection and injury.</p> <p>[Expected Module Outputs] 1. First-year program: (1) To be able to explain the outline of wildlife problems at home, in Japan and in other countries, (2) To be able to explain the present state surveys and information gathering methods for understanding wildlife problems, (3) To be able to formulate basic data for the solution by analyzing wildlife issues 2.Second-year program: In addition to the Output (1) to (3), (4) To be able to formulate the Trial Plan with consideration to the solutions to wildlife problems based on the knowledge, basic data and analyzed problem obtained from the Outputs (1) to (3), 3. Third-year program: In addition to the Output (1) to (4), (5) To analyze problems of the Trial Plan and finalize the Trail Plan.</p>	<p>[Target Organizations] Public organizations or NGOs involved in the conservation of natural environment, forests and agriculture.</p> <p>[Target Group] < Position > Officers who are responsible for wildlife management planning < Experience > Have more than 3 years of practical experience in the relevant field < Age > Under 45 years</p>	
Contents	Program Period	2011 / 9/26 ~ 2011 / 12 / 3
<p>[Preliminary Phase in home country] Submission of Report: Present issues of wildlife [Core Phase in Japan] Following lectures, practical exercises, observations and discussions are provided. 1. First year: (1) Wildlife problems; Background, countermeasures, management systems, and relevant laws (2) Sociological investigation and analysis method designed to identify causes and the present situation (3) Management and operation of databases for survey data and information, Collection and dissemination of information by the Internet, Preparation, display and analysis methods for information by GIS 2. Second year: In addition to Outputs (1)~(3), (4) Acquisition of techniques to share information with local residents by websites, pamphlets, explanatory sessions, Methods of citizen participation workshops, Formulation of the Trial Plan, Activities Report after returning home: Sharing of Trial Plan and consideration of issues in their organizations 3.Third year: In addition to Outputs (1)~(4), (5) Discussion and formulation of the final draft of Trial Plan [Finalization Phase in home country] Submission of Final Report within 3 months after returning in Japan</p>	Implementing Partner	Under Planning
	JICA Center	JICA Obihiro
	Cooperation Period	2009~2011
	Remarks and Website	Participants should be nominated from the same organizations during 3 years since the program aims to achieve the objective through 3 years. FY 2011 is the third year of the Program.

Promotion of SATOYAMA Initiative: Biodiversity conservation and community promotion through the sustainable management of natural resources
持続可能な自然資源管理による生物多様性保全と地域振興～「SATOYAMAイニシアティブ」の推進～

PITD Trainers 1180138

Target Countries: [Redacted] 15 participants

Sector : Nature Conservation/Conservation of Biodiversity

Sub-Sector :

Language : English

Appeal

In the rural area of Japan people live under the complex ecosystems and manage their life considering the preservation of native environment. People manage forest, rice paddies in cooperation with community. People call the area "SATOYAMA", and such way of life will be useful to another country for sustainable development and promoting the rural area. This course will offer the practical idea of biodiversity conservation and community promotion.

Objective / Output

Target Organization / Group

【Course Objective】
 Learning from the case of biodiversity conservation and sustainable use of natural resources with broad participation of stakeholders in SATOYAMA, participants will have an idea and make action for their community promotion from the viewpoint of reconciliation between nature conservation and livelihood promotion.

【Objective for each unit】
 (1)Basic understanding of Satoyama landscape, SATOYAMA Initiative and related policy
 (2)Understanding of concept and information on conservation and use of biodiversity in Satoyama
 (3)Understanding of community promotion through the sustainable use of natural resources
 (4)Understanding of conservation and use of natural resources deep-rooted indigenous traditional culture
 (5)Being able to propose the direction of rural community promotion considering the culture of the area and sustainable use of natural resources

<Target Organization>national / local governmental agencies and other organizations related to nature conservation and community promotion
 <Expected Job Title>Administrative officer of state or local government and related organization staff, concerned to nature conservation and community promotion
 <Expected Job Experience>Personnel who have more than five years experience in this field

Contents

Program Period 2011 / 10 / 10 ~ 2011 / 11 / 12

【Preparatory phase in home country】
 Preparing the country report on rural promotion, condition of rural area and the issue there for own country

【Case study and Observation】
 Lecture, Practice, observation and workshop are provided for the following contents.
 (1)Workshop on condition of each country in the field of rural development and nature conservation
 (2)Concept, history and present condition of SATOYAMA area(rural area) in Japan
 (3)System, stakeholders, concerning persons and organization of rural promotion and preservation
 (4)Issue and action of rural promotion (including direct communication with local people)
 (5)Producing and presentation of action plan by each participant

【Finalization phase in home country】
 (1)Report to the concerning persons and sharing the achievement of the program with them
 (2)Revising the action plan for practice and making action (3) Report to JICA on practice

Implementing Partner	Under Planning
	JICA Hokuriku
JICA Center	JICA Hokuriku
Cooperation Period	2011~2013
Remarks and Website	

Target Countries:		10 participants
Sector : Nature Conservation/Conservation of Biodiversity		
Sub-Sector :		
Language : English		
Appeal		
To collect, analyzing and providing relevant information for biodiversity conservation, it is effective to visualize the collected information on maps, to digitize and analyze using GIS software, and to provide using web technology. Participants will be able to learn relevant technology through this course, in the future, participants will play important role in international frames on development and mobilization of biodiversity information, ex) GBIF.		
Objective / Output	Target Organization / Group	
<Course Objective> Government officers, engineers or researchers in management of biodiversity or nature conservation can acquire basic skills for collecting, analyzing and providing biodiversity information, and then they can contribute to the planning, actual building and managing of biodiversity information system(BIS). <Objective for each unit> Participants can understand the policy on biodiversity conservation in Japan, and can explain the focus of present conditions and problems of their own country. Participants can explain the basic knowledge about the collection method of biodiversity information, GIS technology that is necessary for management and dissemination of biodiversity information, actual method of dissemination of biodiversity information through the Internet, and can carry out basic work related to. Participants can formulate actual strategy about building and management of biodiversity information system according to the condition of their own country using above technology.	<Target Organization>national or local gov. organization concerning conservation on biological diversity <Expected Job Title>Official Post in charge of the planning to biodiversity conservation <Expected Job Experience>Officer, engineer or researcher in management of biodiversity conservation <Others>1) be university graduates or possess equivalent qualifications, 2) have a sufficient command of spoken and written English, 3) have basic operation in MS-Windows	
Contents	Program Period	2011 / 8/21 ~ 2011 / 10 / 13
Lecture: Conservation Policy of Japan (National Biodiversity Strategy, National Park System, Wildlife Management Policy etc.), outline of Biodiversity Center of Japan (National Survey on Natural Environment, Monitoring Sites 1000, data collection on J-IBIS), necessity and present conditions of biodiversity monitoring on the global scale, biodiversity information system (J-IBIS, IT-Lab, CHM) and information management, information development in Global Biodiversity Information Facility (GBIF) , application of GIS, Remote Sensing (RS) and Global Positioning System (GPS), copyright and intellectual property rights Practice: Information processing on biodiversity using GIS and database, Lectures and practices on technical methods of HTML, web design, web-GIS for biodiversity information system, building sample web site, web design of GIS data on biodiversity information, building sample model of biodiversity information system, Inspection to Conservation areas in Japan Presentation and discussion: About present conditions and problems of biodiversity conservation and information system of their own country, an Action Plan to improve methods of collection/dissemination and management of the biodiversity information	Implementing Partner	Japan Wildlife Research Center Biodiversity Center, MoE
	JICA Center	JICA Tokyo(Economy&Env.)
	Cooperation Period	2011~2013
	Remarks and Website	This course considers for acquiring practical skills through the site-visit where BIS is being put to practical use for the nature conservation and through the guidance of utilizing GIS.

Target Countries:		6 participants
Sector : Nature Conservation/Conservation of Biodiversity		
Sub-Sector :		
Language : English		
Appeal		
This program, targeted for administrators and experts, aims to spread the philosophy and policy and to develop human resources for promoting conservation and wise use of wetlands based on the Ramsar Convention and the Convention on Biological Diversity.		
Objective / Output	Target Organization / Group	
<p>[Project Objective] The project aims to enable mid-level government officials or experts engaged in wetland and biodiversity conservation administration in central or regional level to execute Activities Plan concerning wise use with the participation of local residents in consideration of the conservation of wetland environments and biodiversity.</p> <p>[Expected Module Outputs]</p> <p>1. First-year: (1) To explain the philosophy and information on the Ramsar Convention and the CBD and the measures for implementing them. (2) To analyze each country's situation concerning the measures for and challenges against the conservation and wise use of Ramsar sites and biodiversity.</p> <p>2. Second-year: (3) To make a realistic plan for implementation by understanding the proper management and surveying techniques for monitoring wetland environment and biodiversity.</p> <p>3. Third-year: (4) To make a realistic plan for implementation by understanding the necessity for citizen participation, awareness raising and environmental education. (5) To formulate the Activities Plan for promoting conservation and wise use of wetland and biodiversity.</p>	<p>[Target Organizations] Central or local governments which have jurisdiction over wetland management</p> <p>[Target Group] <Position> Mid-level officials or experts who engaged in the conservation of wetland environmental biodiversity <Experience> have more than two years in the relevant field. <Other> Have sufficient physical strength to engage in field activities. Be under 50 years of age in principle.</p>	
Contents	Program Period	2011 / 5/31 ~ 2011 / 7/20
<p>[Preliminary Phase in home country] Submission of Report: Issue Analysis</p> <p>[Core Phase in Japan] Following lectures, practical exercises, observations and discussions are provided. 1. First year: (1) Ramsar Convention and the wise-use principle, Japan's policy on wetland conservation, Japan's policy on biodiversity conservation. (2) Local industry and the wise use of wetland and biodiversity, Eco-tourism as an example of wise use of wetland and biodiversity, Submission of Progress Report within six months after returning home countries</p> <p>2. Second year: In addition to the above (1) and (2), (3) Monitoring method of wetland, Conservation and management of wildlife, Implementation and restoration of wetland, Management of aliens species, Submission of Progress Report within six months after returning home countries</p> <p>3. Third-year: In addition to the above (1), (2) and (3), (4) Awareness-raising program for the local community, Wetland and biodiversity conservation by citizen participation, (5) Development of Activities Plan.</p> <p>[Finalization Phase in home country] Submission of the Final Report within six months.</p>	Implementing Partner	Kushiro International Wetland Center
	JICA Center	JICA Obihiro
	Cooperation Period	2009~2011
	Remarks and Website	Participants should be nominated in the same organizations during 3 years. FY 2011 is the third year of the Program. http://www.kiwc.net/english/main.html

Target Countries: Asia and African countries		12 participants
Sector : Nature Conservation/Revegetation of Degraded Land		
Sub-Sector :		
Language : English		
Appeal		
This program is designed for senior technical staff or researchers engaged in land rehabilitation to master the fundamental techniques for land rehabilitation based on vegetation ecology.		
Objective / Output	Target Organization / Group	
To improve participants' skills of planning and promoting their land rehabilitation activities taking into accounts the unique environmental and socio-economic conditions of respective local areas To explain pressing matters regarding land degradation in participants' respective countries and to elaborate on their responsibilities for land rehabilitation To master the fundamental techniques for rehabilitation of degraded lands and to be able to explain their significance and methods. To evaluate the feasibility of applying acquirments (i. e. techniques) to participants' activities and to identify how they could be applied to Draft Action Plans. To find out the possible solutions to land degradation through making Draft Action Plans and to explain them 5W2H. After the training in Japan, in respective countries, to discuss the vegetation rehabilitation plans for the organizations where participants come from, based on the participants' personal action plans.	1) Current Duties: be senior technical staff or researchers engaged in land rehabilitation planning and implementation at a local government level, especially at a community 2) Experience in this field: more than 5 years 3) Be university graduates or possess equivalent technical qualifications in this field 4) Language: have a competent command of spoken and written English which is equal to TOEFL CBT 250 or more 5) Health: must be in good health, both physically and mentally, to undergo the course 6) Must not be serving any form of military service. 7) Age: be under 45 years	
Contents	Program Period	2011 / 10 / 25 ~ 2011 / 12 / 17
【Preliminary Phase】 To make Job Report Presentation. 【Core Phase in Japan】 1. Lectures and exercises on vegetation classification and vegetation mapping based on vegetation ecology, Observation of the Environment Protection Forests, Working evaluation. 2. Observation of the rehabilitation sites in Japan (incl. lecture and exercise), Discussion: Workshop towards practical activities for land rehabilitation, Discussion and exchange information with former training participants using JICA NET (TV Conference) 3. Room Exercise: Making Draft Action Plans 4. Presentation and Discussion on Draft Action Plans 【Finalization Phase】 The Action Plan is made a presentation in the participant's organization.	Implementing Partner	Under Planning
	JICA Center	JICA Yokohama
	Cooperation Period	2010~2012
	Remarks and Website	

Target Countries: Countries in West and Central French-speaking Africa		15 participants
Sector : Nature Conservation/Revegetation of Degraded Land		
Sub-Sector :		
Language : French		
Appeal		
At the international conference held by President of Senegal in 2009, participating countries showed their political will to tackle with littoral erosion. This training aims to assist their effort to preserve coastal environment. Having experienced various types of littoral erosion, Japan has obtained knowledge and techniques to cope with that problem. By learning Japanese methods, participants are able to acquire skills to design effective countermeasures against littoral erosion.		
Objective / Output	Target Organization / Group	
<Course Objective> Senior officers of the government in charged of countermeasures against littoral erosion in West and Central Africa acquire knowledge and basic skills to design effective plan to preserve coastal environment both in each country and in West and Central Africa region. <Objective for each unit> To be able to analyze the causes and the generating mechanism of littoral erosion and to be able to conduct necessary researches. To understand laws, projects and systems of administrative organization regarding littoral erosion in Japan. To be able to plan concrete countermeasure projects (both structural and non-structural measures) and to be able to predict negative impacts which can be caused by projects. To increase the ability of situation analysis at the coast damaged by littoral erosion and at the site of the countermeasure projects. To be able to design regional countermeasures in the West and Central Africa.	<Target Organization>Ministries or governmental organizations related to countermeasures against littoral erosion <Expected Job Title>Senior officers of the government in charged of countermeasures against littoral erosion who have authority to make decisions <Expected Job Experience>More than 10 years of experience in the field of preservation of environment or climate change countermeasures	
Contents	Program Period	2011/11/30 ~ 2011/12/23
Lecutere and practice: 1. The cause and the generating mechanism of littoral erosion. 2. Research method to assess the risk of possible erosion. Lecture on the purpose and the contents of the law in Japan and its history of amendment. Lecture: 1. Concrete method of design and construction for countermeasure projects (both structural and non-structural measures). 2. Perspective to predict negative impacts which can be caused by projects. Field observation at the coast damaged by littoral erosion and at the site of the countermeasure projects. 1. Presentation on the damage situation of coast and current countermeasures against it in each participating country. 2. Discussion on countermeasures in each country and the possibility of regional cooperation against littoral erosion.	Implementing Partner	Port and Airport Research Institute
	JICA Center	JICA Yokohama
	Cooperation Period	2011~2013
	Remarks and Website	