

13. Nature Conservation

Conservation and Sustainable Management of Mangrove Ecosystems マングローブ生態系の持続可能な管理と保全		Group Trainers	1280015 Continuing
Target Countries : Countries and regions where mangroves are distributed		6 participants	
Sector :Nature Conservation/Sustainable Use of Natural Resources			
Sub-Sector :			
Language :English			
Appeal			
This program is designed for person who is engaged in conservation, rehabilitation and management of mangrove ecosystems to acquire necessary 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)Participants can acquire knowledge of 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)Participants can acquire the basic knowledge of plant taxonomy, forest ecology, and nursery/plantation techniques that can be applied when collecting seedlings/propagules and raising and managing nurseries in the participants home countries. (3)Participants can learn the integrated relation of mangrove ecosystems to their neighboring seagrass bed and coral reef ecosystems, and explain the necessity for the conservation of integrated coastal ecosystems as a whole in their countries. (4)Participants can acquire basic techniques used for producing promotional or educational materials, and improve their skills in preparing presentations and formulating action plans to share their knowledge and the techniques applicable in the participants home countries. (5)Action plan drawn up in Japan on conservation, rehabilitation and/or management of mangrove and coastal ecosystems is introduced and approved in participating organization.		[Target Organization] Governmental organizations or NGOs involved in conservation, rehabilitation and management of mangroves and coastal ecosystems. [Target Group] (1)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)Be between 25 and 40 years of age. (4)University graduate or equivalent. (5)Have a good command of English (6)Healthy in both physically and mentally (7)Not be served in military	
Contents		Program Period	2012/ 5/23 ~ 2012/ 8/11
<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.		Implementing Partner	International Society for Mangrove Ecosystems
<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		JICA Center	JICA Okinawa
(2)Mangrove reforestation and regional development, Identification of mangrove plants, Mangrove in Miyako-island, Mangrove reforestation cases in the world		Cooperation Period	2010 ~ 2012
(3)Introduction to the coral reef ecology, Shallow water fisheries resource management, Ecosystem in tropical seagrass bed		Remarks and Website	
(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			

Environmental Education for Sustainable Development -Conservation of Coastal Ecosystems for Lives of Local Communities- 持続可能な開発のための環境教育-沿岸生態系と住民生活の保全-		Group Trainers	1280031 Continuing
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 course is designed for those who practice or promote environmental education to acquire necessary knowledge and skills for the better conservation of coastal ecosystems and livelihood of the communities			
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 ecotourism. (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) University Graduate or Equivalent (4) Have a good command of English (5) Healthy in both physically and mentally. (6) Not be served in military. (7) Age:Desirable to be between 24 and 35 years of age.</p>	
Contents		Program Period	2012/ 9/19 ~ 2012 /11 /3
<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.		Implementing Partner	International Society for Mangrove Ecosystems
<Activity in Core Phase in Japan> (1) Coastal ecosystems (coral reef, sea grass bed), Reptile and malacology in coastal ecosystems, Fishes and environmental issues		JICA Center	JICA Okinawa
(2) Outline of EE, Introduction of community-based project and the lessons, Pollution Disease and regional revitalization in Minamata, Regional revitalization		Cooperation Period	2010 ~ 2012
(3) Ecotourism in Japan, Research and monitoring method of phytosociology, ecotourism as a tool of EE and community development		Remarks and Website	
(4) How to write practical action plan, Methodologies for effective presentation, Writing an action plan			
<Activity in Finalization Phase in home country> (5) Share and discuss, modify the action plan in respective organizations			

Capacity Development of Carbon Budget Measurement of Tropical Forests to React Climate Change 気候変動対策に向けた熱帯林炭素量の計測技術のキャパシティ向上		Group Trainers	1280048 Continuing
Target Countries : [REDACTED]		7 participants	
Sector :Nature Conservation/Sustainable Use of Natural Resources			
Sub-Sector :			
Language :English			
Appeal			
The program is designed for the staff of organization in charge of environment/forest management for disseminating knowledge and skills on carbon budget measurement of tropical forest among his/her colleagues and to enhance forest carbon management initiative of developing countries locally and internationally.			
Objective/Output		Target Organization / Group	
<p>【Course Objective】 Participants' organization 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 introduce the country and its 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 and carbon stock and budget measurements. 5: To be able to make and share action plan to disseminate knowledge and skills acquired through this program in own 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 working 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 project will be prioritized</p>	
Contents		Program Period	2012 / 6 / 27 ~ 2012 / 7 / 23
<p>【Preliminary Phase in home country】 Preparation of inception report on policies and problems of forest management in own country.</p> <p>【Core Phase in Japan】 (Lectures, Case study, Practices, Field visit, Discussion and Presentation) 1: Presentation and discussion of inception report. 2: Lecture and discussion on trends in climate change, deforestation, global warming and condition of world forests. 3: Lecture and discussion on forest ecology, physiology and bio-geo-chemical carbon cycle. 4: Practice for reforestation, carbon stock and budget measurement.</p> <p>【Third Country(Complementary) Phase in Indonesia】 Practical Training of reforestation and carbon budget measurement. Making an action plan.</p> <p>【Finalization Phase in home country】 Revise and finalize the action plan and submit the final version to JICA overseas office with recognition of director of participant's organization within 4 months after the training program.</p>		Implementing Partner	Faculty of Agriculture, Ehime University
		JICA Center	JICA Shikoku
		Cooperation Period	2010 ~ 2012
		Remarks and Website	Complementary phase in Indonesia (from July 23rd to July 31st) after core phase in Japan. URL; http://www.ehime-u.ac.jp/english/index.html

Remote Sensing of Forest Resources (Basic) 森林リモートセンシング(基本)		Group Trainers	1280113 Continuing
Target Countries : Countries for grant aid of "The Forest Preservation Programme"		15 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 cannot investigate the forest resources, which is a basic information for REDD. Therefore, it is important to use remote sensing which provide an 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 for solving their issues</p>		<p><Target Organization>Forestry Department, Department of Environment and Natural Resources, REDD, Nature Conservation, Wildlife Management,</p> <p><Expected Job Title>Technical officials and researchers who are engaging in the forestry management or REDD.</p> <p><Expected Job Experience>Participants should have more than 3 years of practical experience in the relevant field.</p> <p><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	2012 / 7 / 3 ~ 2012 / 8 / 18
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		Implementing Partner	Rakuno Gakuen University
		JICA Center	JICA Hokkaido (Sapporo)
		Cooperation Period	2011 ~ 2013
		Remarks and Website	

Capacity Building for National Forest Monitoring System to Promote REDD 国家森林モニタリングシステム整備のための人材育成		Group Trainers	1280152 Continuing
Target Countries : Countries plan to be equipped with hardware and software for NFMS		12 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	
<p><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.</p> <p><Objective for each unit> Participants will be able to...</p> <ol style="list-style-type: none"> 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. 		Public Agents, Universities, Agricultural research institutions, etc.	
Contents		Program Period	2012 / 5 / 13 ~ 2012 / 7 / 6
<p><Preliminary phase> Submission of Country Report</p> <p><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. 5. Case study of NFMS. Approaches to develop NFMP. Draft plan of NFMS. Action Plan presentation.</p> <p><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.</p>		Implementing Partner	Japan International Forestry Promotion & Cooperation Center
		JICA Center	JICA Tokyo (Economy&Env.)
		Cooperation Period	2011 ~ 2013
		Remarks and Website	

Eco-tourism for Sustainable Use of Natural and Cultural Resources 自然・文化資源の持続可能な利用(エコツーリズム)		Group Trainers	1280756 Continuing
Target Countries :		7 participants	
Sector :Nature Conservation/Sustainable Use of Natural Resources			
Sub-Sector :			
Language :English			
Appeal			
This program is designed to introduce ecotourism with public participation as a tool for the sustainable use of natural and cultural resources.			
Objective/Output		Target Organization / Group	
<p>[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.</p> <p>[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 .</p>		<p>[Target Organizations] Organization or NGOs of central/local government which is engaged in regional development by promoting the ecotourism for conservation of natural environment and cultural resources</p> <p>[Target Group] * Mid-level administrative officers or planner who promotes ecotourism. * Have more than two years experiences</p>	
Contents		Program Period	2012 / 8 / 20 ~ 2012 / 10 / 3
[Preliminary Phase in home country] Submission of Inception Report: Issue Analysis at target area/ protected area		Implementing Partner	Kushiro International Wetland Center (Kushiro City)
[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		JICA Center	JICA Hokkaido (Obihiro)
		Cooperation Period	2010 ~ 2012
[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.		Remarks and Website	http://www.kiwc.net/english/main.html

Various Forest Conservation with Community Participation 地域住民の参加による多様な森林保全		Group Trainers	1280919 Continuing
Target Countries :		14 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	
<p>[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.</p> <p>[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.</p>		<p>[Target Organizations] Forest management organizations in public sector</p> <p>[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.</p>	
Contents		Program Period	2012 / 8 / 13 ~ 2012 / 11 / 17
<p>[Preliminary Phase in home country] Prepare the Inception report which includes organization chart and facing issues and problems.</p> <p>[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.</p> <p>[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.</p>		Implementing Partner	Japan Overseas Forestry Consultants Association
		JICA Center	JICA Hokkaido (Obihiro)
		Cooperation Period	2010 ~ 2012
		Remarks and Website	http://www.jofca.or.jp

Reinforcement of the Means of Implementation for "Sustainable Forest Management (SFM)" 持続可能な森林経営のための実施手段の強化		Group Solution	1280968 Continuing
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	
<ul style="list-style-type: none"> • 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. • 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. • Participants will be able to draw up concrete measures for SFM in their countries. • 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. • Participants will be able to make up the feasible proposal according to the action plan. • Participants will be able to make sufficient materials to implement action plan by his/her organization. 		<Target Organization> Central government staff responsible for policy planning and local government / organization staff in charge of project implementation	
Contents		Program Period	2012 / 8 / 26 ~ 2012 / 11 / 3
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.		Implementing Partner	Forestry Agency
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.		JICA Center	JICA Tokyo (Economy&Env.)
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.		Cooperation Period	2010 ~ 2012
Through a case study method, participants make up feasible proposal to his/her organization. Several drills and discussions support enhancement of feasibility efficiently.		Remarks and Website	
Through lectures and case study method, participants prepare supportive materials to have the action plan be feasible. These materials also can be utilized for dissemination to the relevant parties such as rural people, NGO and international aid organization.			

Forest and Watershed Conservation with Participatory Approach 参加型アプローチによる森林・流域保全		Group Solution	1280970 Continuing
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 experience in the field (3) To be in good health, both physically and mentally to undergo the program</p>	
Contents		Program Period	under planning
<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 and different 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	JAFTA
		JICA Center	JICA Tokyo(Economy&Env.)
		Cooperation Period	2010 ~ 2012
		Remarks and Website	

Information Management Technology for Land Use and Natural Resources Analysis 土地利用と自然資源分析の情報管理技術		Group Trainers	1280987 Continuing
Target Countries : <input type="text"/>		8 participants	
Sector :Nature Conservation/Sustainable Use of Natural Resources			
Sub-Sector :			
Language :English			
Appeal			
Open-source GIS software (FOSS-GIS) is taught and it is disseminated in the developing countries to be used for land use planning and/or natural resources analysis.			
Objective/Output		Target Organization / Group	
<p>【Purpose】 Trainees will become to be able to use free and open source software (FOSS-GIS) GRASS, web-mapping, etc. in their work and the technology will be shared in their institutions.</p> <p>【Module (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 selected. (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 analyzed by GRASS, then, techniques for data sharing through internet will be acquired by using Map-server technology. (4) GIS-applied studies in Japan will be taught and trainees will work on their own projects as case studies and share the results among trainees. Action Plan is formulated (5) Action Plan is implemented and the acquired technologies will be shared in the organization of the participant</p>		<p>【Target Organization】 Central/Local Governmental Organization, University, Institute which is involved with land use/natural resource analysis</p> <p>【Target Group】 (1) Researchers, administrative officers, technicians who is involved with the study / instruction of land use, natural resource analysis (2) Those who have experience in this field of more than 5 years. (3) Those who uses/has experience to use commercial GIS software (4) Those who has basic skill to use PC.</p>	
Contents		Program Period	2012 / 8/21 ~ 2012 / 9/22
<p>【Preliminary Phase in the participant's home country】 (July 21 - August 20) Formulation of Country & Job Report</p> <p>【Core Phase in Japan】 (August 21 September 22) 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 Map-server / Practice: Use of GPS and analysis by GRASS. Obtaining data set and data sharing through internet / Study: Good practices regarding to land use and natural resources analysis of Japan / Practice: Case study by each trainee and data sharing of the results among trainees (3) Others: Preparation of the Action Plan</p> <p>【Finalization Phase in the participant's home country】 (September 23 - December 22) (1) Approval of the Action Plan by the organization the participant belongs to (2) Submission of Progress Report</p>		Implementing Partner	Nagoya University International Cooperation Center for Agricultural Education (ICCAE)
		JICA Center	JICA Chubu
		Cooperation Period	2010 ~ 2012
		Remarks and Website	

Integrated Basin Management for Lake Environment 湖沼環境保全のための統合的湖沼流域管理		Group Solution	1280988 Continuing
Target Countries :		10 participants	
Sector :Nature Conservation/Sustainable Use of Natural Resources			
Sub-Sector :			
Language :English			
Appeal			
Participants will understand the importance of "Integrated Lake Basin Management (ILBM)", for the management of lakes and reservoirs, which aims at integral pursuit of six issues - Institutions, Policies, Participation, Technologies, Knowledge and Information, and Finance.			
Objective/Output		Target Organization / Group	
<p>[Program Objective] For the participants to become adequately knowledgeable about the fundamental of lake basin management, and to become able to play a major catalytic role in developing the needed governance framework.</p> <p>[Expected Module Output] <Preliminary Phase> 0) Participants will prepare a preliminary report and questionnaire about the management of the lake basin they are in charge of. <Core Phase in Japan> 1) Participants will share difficulties and challenges to realize what to learn in this course. 2) Participants are able to explain the resources of lakes and their utilization 3) Participants are able to explain the challenges of governance in the field of Lake Basin management in general and in their respective country. 4) Participants are able to propose a draft Action Plan, to solve the problems/challenges which participants' organizations are facing, by properly integrating the components of the ILBM framework. <Finalization Phase> 5) Draft Action Plans are shared and discussed by the participating organization.</p>		<p>1) Technical officer in charge of lake/wetland water management (including management of rivers flowing into such water bodies) who are expected to assume executive administrative posts in that field or researchers in water quality and ecosystem management who are expected to take leading roles in guiding the lake/wetland management programs in their country</p> <p>2) Experience: more than 3 years' experience in the field</p> <p>3) Age : 25 -40 years of age</p> <p>4) Language : have a competent command of spoken and written English</p>	
Contents		Program Period	2013/ 1/14 ~ 2013 / 3/15
<p>[Output 0-1] - Preparation, presentation and discussion of Country Report</p> <p>[Output 2] a) Share information about the State of Lakes: ILBM introduction, Water Purification of Lake Suwa b) Biophysical Characteristics: Lake Biwa Museum, Basic Limnology and Eutrophication of Lake c) Human use of Lakes: Specialties made of local reed, Economics of Lake Basin</p> <p>[Output 3] a) Institutions: Lake Biwa Environmental Research Institute b) Incentives and Regulations: Lake Basin Management Policies and Institutions c) Involving People: Accommodating for Stakeholder Interests and Restoration of Resource Values, Environmental NGO's Activities, Environment Conservation and Citizen Participation d) Technological Response : Biwa Lake Construction Work Office and Seta River Weir, Role of Irrigation and Agriculture in Lake Basin Management e) Information : ESD and Environmental Education, Basic GIS training, Remote Sensing for ILBM f) Finance: Payment for Ecosystem Service, Financial Supply for Lake Management</p> <p>[Output 4-5] - Preparation, presentation, discussion, sharing and improvement of Action Plan</p>		Implementing Partner	International Lake Environment Committee (ILEC)
		JICA Center	JICA Kansai ()
		Cooperation Period	2010 ~ 2012
		Remarks and Website	Website of ILEC: http://www.ilec.or.jp/eg/index.html

Environmental Education Focused on Fresh Water Environment -for Tertiary Level Teaching Staff- 水環境を主題とする環境教育		Group Trainers	1280991 Continuing
Target Countries : [REDACTED]		10 participants	
Sector :Nature Conservation/Sustainable Use of Natural Resources			
Sub-Sector :			
Language :English			
Appeal			
The training aims at diffusion and development of environmental education (EE) with a focus on water environment in participating countries through the training about framework, contents, methodologies of EE with case studies and site visits. This program offers the EE program focusing on the fresh water environment and water pollution problems, but not seawater environment and/or water shortage problems.			
Objective/Output		Target Organization / Group	
<p>[Program Objective] To implement the action plan for solving problems and issues of the participating countries/ organizations based on the final report prepared in Japan</p> <p>[Expected Module Output] 1. To understand the concept and theory of EE through country report presentation, basic lectures on environmental problems, visits to sanitation facilities in Japan and lectures on concept and principle of EE. 2. To acquire the ability to develop the curriculum of EE through lectures and practices. 3. To prepare a draft action plan reflecting the situation of the participating countries through information exchange among participants and private guidance by lecturers.</p>		<p>1) University/ college lecturer or the equivalent * This course is focused on primary and secondary education 2) University/College lecturers or equivalent, engaged or expected to be engaged in environmental education 3) have more than 3 years' experience in the field of EE 4) Age : under 40 5) English: have a competent command of spoken and written English which is equal to TOEFL 70 (iBT) or more</p>	
Contents		Program Period	2012 / 8 / 20 ~ 2012 / 10 / 12
<p>[Output 1] - Preparation and presentation of Country Report - Basics of environmental problem: pollution experience of Lake Biwa, basics of environmental problems (environmental economics, citizen participation, air pollution), lake ecology - Sanitation facilities in Japan: drinking water/ sewage treatment, solid waste treatment - Concept and principle of EE: introduction and practical research of EE, ESD and EE</p> <p>[Output 2] - Contents and texts of EE: education system in Japan, Double-bind theory and EE, EE methodology, lake environment practice, awareness of environmental citizenship, agriculture and forestry and EE - Development of EE - Know how of international EE diffusion: dioxin problem in Vietnam - Network with citizen- school- government: Lake Biwa Museum, Oba River Exploration, citizen participation, lectures and interaction with school teachers, participation in classes of Japanese schools</p> <p>[Output 3] - Preparation and presentation of draft Action Plan: lecture by participants, Action Plan (individual discussion, evaluation, preparation and presentation)</p>		Implementing Partner	International Lake Environment Committee (ILEC)
		JICA Center	JICA Kansai ()
		Cooperation Period	2010 ~ 2012
		Remarks and Website	Website of ILEC: http://www.ilec.or.jp/eg/index.html

Criteria & Indicators (C & I) and Forest Certification for Asia and Latin American Countries アジア・中南米地域 C&I森林認証		Region-Focused	1284191
		Leaders	Continuing
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, implementation 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>		Administrative officials or researchers engaged currently or soon to be engaged in C&I or forest certification.	
Contents		Program Period	2012 / 5/28 ~ 2012 / 7/5
<p>【Preliminary phase in participants' home countries】 Preparation of Inception Report on the present situation and problems to be solved</p> <p>【Lecture】 World trend on Forest Management, Outline of C&I and Forest Management, ITTO Process, Montreal 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	Hokkaido International Exchange and Cooperation Center
		JICA Center	JICA Hokkaido (Sapporo)
		Cooperation Period	2010 ~ 2012
		Remarks and Website	

Forest Resource Monitoring for French Speaking Countries Centering on Countries around Congo Basin コンゴ河流域諸国を中心とした仏語圏アフリカ諸国 森林資源モニタリング		Region-Focused Solution	1284353 New
Target Countries : Francophone countries in Africa		13 participants	
Sector : Nature Conservation/Sustainable Use of Natural Resources			
Sub-Sector :			
Language : French			
Appeal			
This Program aims at setting out the problems and making concrete measures for the forest resource monitoring in order to realize sustainable forest management and poverty reduction in French Speaking Countries centering on Countries around Congo basin. This program is focused on the interaction between COMIFAC members and also conducted in French.			
Objective/Output		Target Organization / Group	
<p>【Objective】 The participant from French bloc African countries including COMIFAC member nations understand the subject of forest resources monitoring of their own country through comparison with Japan and a foreign country, and elaborating plan/improvement plan for forest resources monitoring to be taken by their affiliation organizations.</p> <p>【Objective for each unit】 The knowledge and technology about forest-resources monitoring are improved.</p> <p>Understanding of the importance and the practical use method of forest-resources monitoring is deepened</p> <p>Based on the example of Japan, the issues about forest-resources monitoring in their own country are overhauled and the concrete measure is elaborated.</p>		<p>Central and local government in charge of Forest Management</p> <p>Government officials in charge of Forest Management.</p> <p>With more than 7 years' experience in the field.</p> <p>University graduates or the equivalent have a sufficient command of speaking, listening and writing French.</p>	
Contents		Program Period	under planning
Lecture and Inspection: Forest-resources monitoring(FRM) outline, FRM in Japan and Other Countries , Structure construction of FRM, Combined use of a satellite imagery and site reconnaissance, Calculation method of the amount of CO2 absorption, Viewpoints such as biodiversity conservation		Implementing Partner	Under Planning
Lecture and Inspection: Relationships between FRM and as follows. outline of international forest conservation/Management, Measures against a climate change such as REDD+, the index and standard of a forest management, Forest certification, the measure against illegal logging		JICA Center	JICA Tokyo(Economy&Env.)
Presentation and Discussions: the Country report(CR) preparation/presentation/discussion, Action plan(AP) making/presentation /discussion, Revising the AP with the affiliation organization and related organizations such as COMIFAC, Reporting revised AP to Japanese related organizations		Cooperation Period	2012 ~ 2014
		Remarks and Website	

Regional Development by Sustainable Use of Biodiversity 生物多様性を活かした地域開発		Group Solution	1280014 Continuing
Target Countries : <input type="text"/>		7 participants	
Sector :Nature Conservation/Conservation of Biodiversity			
Sub-Sector :Urban/Regional Development/Regional Development			
Language :English			
Appeal			
Capacity Development for the Mid-level officials to promote the regional development focusing on conservation and sustainable use of biodiversity.			
Objective/Output		Target Organization / Group	
<p>[Objective] Regional development plans which include the perspective of biodiversity conservation and its sustainable use are proposed in the respective cities.</p> <p>[Expected Outputs] 1. Current situation and issues on biodiversity in the respective cities are analyzed and grasped. 2. (the 1st year): Fields, issues and regions are prioritized for the compatible regional socioeconomic development with the local biodiversity. 3. (the 2nd year): Skills and know-how of the stakeholder's analysis and promotion of the participation are obtained. 4. (the 3rd year): Regional socioeconomic development plan considering local biodiversity is drafted. 5. Regional socioeconomic development plan is reviewed and revised through the dialogue with concerned organizations, local community and residents.</p>		<p>[Target Organization] Department / Division engaged in socio-economic development / environmental conservation in the government of core-city</p> <p>[Target Group] Administrative officer in mid-level who is in charge of socio-economic development and / or environmental conservation. Those who has experiences in this field more than 5 years. This course is designed on the assumption that mayor of the respective participant's city will partly join the course first year.</p>	
Contents		Program Period	2012 / 9 / 18 ~ 2012 / 10 / 20
<p>[Preliminary Phase] Formulation of Inception Report</p> <p>[Core Phase] Lecture, Practice, Observation, and Discussion on the following subjects.</p> <p>1. Basic knowledge, international trend on biodiversity / Local Resource Analysis / Prioritizing field, issue and region for the compatible regional socioeconomic development with the local biodiversity.</p> <p>2. Skills and know-how of the stakeholders' analysis / Skills and know-how to promote the participation of the local residents in the elaboration of regional socioeconomic development plan</p> <p>3. Drafting the regional socioeconomic development plan based on the outputs obtained in the 1st and the 2nd years.</p> <p>[Finalization Phase] Review and revision of the regional socioeconomic development plan drafted in Japan.</p>		Implementing Partner	United Nations Centre for Regional Development
		JICA Center	JICA Chubu
		Cooperation Period	2010 ~ 2012
		Remarks and Website	

Wildlife Management Planning for Biodiversity Conservation by GIS and Remote Sensing GIS・リモートセンシングを利用した生物多様性保全のための野生動物保護管理計画		Group	1280126
		Trainers	Updated
Target Countries : [REDACTED]		8 participants	
Sector :Nature Conservation/Conservation of Biodiversity			
Sub-Sector :			
Language :English			
Appeal			
Participants will learn analysis of present situation and its changes on land use and human activities by GIS and remote sensing and method of biological survey so that they can apply those information to formulate plan for solving friction between humans and wildlife and consensus building among residents.			
Objective/Output		Target Organization / Group	
<p>[Program Objective] To be able to review the setting of protected area, to formulate the plan of wildlife management for biodiversity conservation and to implement countermeasures to eliminate friction between wildlife and humans by understanding scientifically present situation in focused area.</p> <p>[Expected Module Outputs] (1)To be able to acquire basic techniques/ideas of GIS, remote sensing, and database, (2)To be able to acquire techniques/ideas of wildlife survey and monitoring, (3)To be able to make a proposal on countermeasure on human wildlife conflicts and be able to review protected area understanding current status on the area by means of the techniques acquired (1) and (2), (4)To be able to utilize the knowledge acquired (1) and (2) for consensus building among citizen and environmental education.</p>		<p>[Target Organization] Public institution or NGO related to nature conservation</p> <p>[Target Group] Official workers responsible for nature conservation management with more than three years of experience</p>	
Contents		Program Period	2012 / 10 / 1 ~ 2012 / 12 / 8
<p>[Preliminary Phase in home country] Submission of Inception Report: Outline of biodiversity conservation, organization chart, preferential solution creation, actual condition of GIS usage, monitoring survey, possessed data which might be used for biodiversity conservation planning.</p> <p>[Core Phase in Japan] Lectures, practices, field visits and discussions which cover below are provided: (1)Basic techniques and ideas on GIS and remote sensing, data processing, display and analytical method (2)Survey and monitoring method for present situation/causes on human wildlife conflicts, the result data processing by GIS (3)Basic techniques and ideas on establishment of protected area by GIS, (GAP analysis etc) and idea/method of biodiversity evaluation, data processing by GIS for share and accumulation on information related to nature conservation and survey data, (4)Idea and techniques of Sharing data/information with residents, consensus building, environmental education, database for data sharing and awareness Formulation of Action Plan for the formulation of project</p> <p>[Finalization Phase in home country] Submission of Final Report:Proposal of project within one year after returning home country</p>		Implementing Partner	Under Planning
		JICA Center	JICA Hokkaido (Obihiro)
		Cooperation Period	2012 ~ 2014
		Remarks and Website	Supplemental training (third-county)program is under planning following core phase in Japan.

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～		Group Trainers	1280138 Continuing
Target Countries :		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.		<Target Organization> national / local governmental agencies and other organizations related to nature conservation and community 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		<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	2012 / 10 / 15 ~ 2012 / 11 / 17
【Preparatory phase in home country】 Preparing the country report on rural promotion, condition of rural area and the issue there for own country		Implementing Partner	Under Planning
【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		JICA Center	JICA Hokuriku
		Cooperation Period	2011 ~ 2013
【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		Remarks and Website	

Conservation and Sustainable Use of Coral Reefs and Other Coastal Ecosystems サンゴ礁をはじめとする沿岸生態系の保全とその持続的利用に関する総合研修		Group Solution	1280271 New
Target Countries : Countries in Asia, Oceania, Africa and Caribbean Regions		8 participants	
Sector :Nature Conservation/Conservation of Biodiversity			
Sub-Sector :Nature Conservation/Sustainable Use of Natural Resources			
Language :English			
Appeal			
To produce conservation and sustainable utilization of coast ecosystem(including Japanese coast), such as coral reef, lecture and exercise about conservation method for coast ecosystem and influence of primary industry,such as agriculture, on coast ecosystem ,and studying about method for an improvement of coast dwellers livelihood while ecosystem is maintaining			
Objective/Output		Target Organization / Group	
<p>【Objective】 Participants of island nations which are facing various problems about poverty and living conditions will understand and learn about the necessity and importance of conservation and sustainable utilization of coastal ecosystem, and apply to their daily services.</p> <p>【Objective for each unit】 Job report is submitted</p> <p>To understand ecology of coral and ecosystem of coral reef To understand coastal ecosystem To understand vulnerability and importance of conservation of coral reef and coastal ecosystem To understand load of agriculture and husbandry to waters To understand importance of coral reef in fisheries To understand importance of conservation by stakeholders, such as farmers To understand capabilities of ecotourism in a coastal zone To understand importance of participation to conservation of ecosystem Completion (progress) Report of the Action Plan is submitted</p>		<p>[Target Organization] Central or local governmental officers in charge of planning policies of nature conservation,national park, local development Members of NGO's whose activities is nature conservation and/or rural development.</p> <p>[Target Group] (1) Have more than 3 years of experience in this field. (2) University graduate or equivalent. (3) Have a good command of English in writing, listening and speaking. (4) Be in good health both mentally and physically.(As this course includes field works, pregnancy is regarded as disqualification) (5) Not served in any form of military service.</p>	
Contents		Program Period	under planning
<p><Preliminary Phase in the home country> Preparation of presentation materials Formulation of Job Report</p> <p><Core Phase in Japan> Lecture and Field exercise about ecology of coral and ecosystem of coral reef, lecture about present condition and distribution of coral reef in the world Lecture and Field exercise about coastal ecosystem Lecture about vulnerability of ecosystem of coral reef and coastal ecosystem, relation to climate change and evaluation of quality Lecture about effect of agriculture and husbandry to waters Lecture about relation between fisheries and coral reef, and interaction with fish Harvesters and fish Workers</p> <p><Finalization Phase in the home country> Field exercise in the farm which is taken measures to prevent from erosion, and interaction with stakeholders such as farmers Lecture about ecotourism and sightseeing at coral reef and coastal zone, and interaction with ecotourism planners, and tourist agents and operators Lecture about consensus building among various stakeholders for conservation of coral reef (speaker: government officer or facilitator in charge of the meeting) Application and implementation of the action plan</p>		Implementing Partner	Under Planning
		JICA Center	JICA Okinawa
		Cooperation Period	2012 ~ 2014
		Remarks and Website	

Target Countries :

13 participants

Sector :Nature Conservation/Conservation of Biodiversity

Sub-Sector :Nature Conservation/Sustainable Use of Natural Resources

Language :English

Appeal

This training provides practical knowledge and lessons on protected area management and natural resources management through community-based approach and private sector partnership approach in Japan's system of natural park.

Objective/Output	Target Organization / Group	
<p>【Objective】 Participants of training will understand unique Japanese system of protected area management and satoyama management which are based on consensus among various stakeholders such as communities and private sectors. Participants will apply knowledge and lessons learned from training in their own each country.</p> <p>【Objective for each unit】 Understanding protected area management and SATOAYMA management in Japan Understanding natural resources management Understanding way of getting consensus among stakeholders Understanding environment education and communication Understanding and sharing current conditions in developing countries Acquiring skills and understanding method on problem/conflict solution Development of Action Plan</p>	<p>Ministry of the Environment Government Officer, NGO, private sectors in charge of natural resources management and protected area management more than five-years experiences in the field of natural resources management and protected area management</p>	
<p>Contents</p>	<p>Program Period</p>	<p>under planning</p>
<p>Lecture: protected area management and SATOAYMA management in Japan</p>	<p>Implementing Partner</p>	<p>Governmental Foundation/Organization, NGO etc.</p>
<p>Lecture: natural resources use and relations with relevant sectors (agriculture, fishery, tourism etc.)</p>		
<p>Lecture and meeting: cooperation with local communities and private sectors (ex. Field-base committees)</p>	<p>JICA Center</p>	<p>JICA Hokkaido (Sapporo)</p>
<p>Lecture and field work on environment education and communication</p>		
<p>Discussion and small-scale workshop/seminar: identification of common issues and consideration of future actions</p>	<p>Cooperation Period</p>	<p>2012 ~ 2014</p>
<p>Workshop: problem/conflict solution skill and method</p>		
<p>Action plan: development of action plan and discussion</p>		
<p>After the core phase in Japan, third country phase will be continued about 2 weeks in Indonesia.</p>	<p>Remarks and Website</p>	

Biodiversity Information System 生物多様性情報システム		Group Solution	1280789 Continuing
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	
<p><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).</p> <p><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.</p>		<p><Target Organization> National or local gov. organization concerning conservation on biological diversity.</p> <p><Expected Job Title> Official Post in charge of the planning to biodiversity conservation.</p> <p><Expected Job Experience> Officer, engineer or researcher in management of biodiversity conservation.</p> <p><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.</p>	
Contents		Program Period	2012 / 8 / 12 ~ 2012 / 10 / 4
<p>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.</p> <p>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.</p> <p>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.</p>		Implementing Partner	Biodiversity Center of Japan, Ministry of the Environment
		JICA Center	JICA Tokyo(Economy&Env.)
		Cooperation Period	2011 ~ 2013
		Remarks and Website	Biodiversity Center of Japan, Ministry of the Environment http://www.biodic.go.jp/index_e.html

Conservation and Sustainable Use of Biodiversity to the Wetland Ecosystems on Community Base 地域における湿地の生物多様性の保全と持続的利用		Group Trainers	1280865 Updated
Target Countries : [REDACTED]		8 participants	
Sector :Nature Conservation/Conservation of Biodiversity			
Sub-Sector :Nature Conservation/Sustainable Use of Natural Resources			
Language :English			
Appeal			
This program aims to realize the promotion of wetland conservation and sustainable use which are done by community basis and goes to contribution for local people and community. Participants will have opportunities to have mainly lectures including field studies and discussions. Participants will also formulate an interim report including an action plan describing what the organization will do after the participants go back to home country putting the knowledge and ideas acquired and discussed in Japan among others into their on-going activities.			
Objective/Output		Target Organization / Group	
<p>[Course Objective] Government officials engaged in conservation of wetlands/biodiversity can plan projects contributing to promotion of biodiversity conservation activity related to regional development utilizing sustainable use of natural resources and livelihood and industry of local community, with involvement of residents living in the region.</p> <p>[Expected Module Outputs] (1) Capable of explaining and understanding the concept and policy regarding wetland biodiversity. (2) Capable of analyzing national conditions on conservation of wetland biodiversity and issues to be resolved. (3) Capable of explaining concrete measures for appropriate management of wetlands environment, understanding importance of monitoring concerned with conservation of biodiversity. (4) Capable of explaining concrete measures for promotion of public awareness and environmental education, understanding the importance of community participation for conservation of wetland biodiversity and its use. (5) Capable of drafting activity plan contributing to conservation of biodiversity by and for local residents and promoting wise use of natural resources</p>		<p>[Target Organization] Central or local governments which have jurisdiction over wetland management or management of biological diversity</p> <p>[Target Group] (1) Working-level official engaged in the conservation of wetland environments or biodiversity (2) More than 2 years of practical work experience (3) Basically under 48 years old of age having enough physical strength for field activities</p>	
Contents		Program Period	2012 / 5 / 8 ~ 2012 / 6 / 27
<p>[Preliminary Phase in a Participant's home country] Formulate and submit an Inception Report.</p> <p>[Core Phase in Japan]Lectures, Practicals, field visits and discussions which cover contents below are provided: Conventions on wetlands and biodiversity conservation, that of endangered species, natural parks/living environment of Satoyama and rice paddies/oceanic biodiversity conservation, administration in Japan, global issues such as climate change, applying international environmental law for sustainable use of natural resources, natural park and facility for public awareness, ecotourism and biodiversity agriculture, collaboration among governments and people, disaster restoration for biodiversity, establishment of database and its application in context of biodiversity conservation, protection of endangered species and international cooperation, nature restoration project and its monitoring, coexistence between local residents and wild animals, wetland conservation activity by community, environmental education at school, awareness program for residents, ecotourism utilizing regional industry, role of NGO, network establishment to conserve ecosystem involving local people/stakeholders, summary and supplementary explanation of each training program, facilitation meeting (looking back to training), developing draft of activity plan and its presentation (interim report).</p> <p>[Finalization Phase in a Participant's home country] Submit the Final Report after returning to home country.</p>		Implementing Partner	Kusiro International Wetland center(Kushiro City)
		JICA Center	JICA Hokkaido (Obihiro)
		Cooperation Period	2012 ~ 2014
		Remarks and Website	

Rehabilitation of Degraded Lands in Asia and Africa アジア・アフリカ地域における荒廃地植生回復		Region-Focused Solution	1284210 Continuing
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	
<ul style="list-style-type: none"> -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 acquirements (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. 		<ul style="list-style-type: none"> 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	2012 / 10 / 14 ~ 2012 / 12 / 15
【Preliminary Phase】 To make Job Report Presentation.		Implementing Partner	Japanese Center for International Studies in Ecology
【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		JICA Center	JICA Yokohama
		Cooperation Period	2010 ~ 2012
【Finalization Phase】 The Action Plan is made a presentation in the participant's organization.		Remarks and Website	

Training for Countermeasures against Littoral Erosion in West and Central French-speaking Africa / TICAD IV Follow-up 仏語圏アフリカ・海岸侵食対策 / TICAD フォローアップ		Region-Focused Leaders	1284291 Continuing
Target Countries : Countries in West and Central French-speaking Africa		10 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	
<p><Course Objective> Senior officers of the government in charge 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.</p> <p><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.</p>		<p><Target Organization> Ministries or governmental organizations related to countermeasures against littoral erosion</p> <p><Expected Job Title> Senior officers of the government in charge of countermeasures against littoral erosion who have authority to make decisions</p> <p><Expected Job Experience> More than 10 years of experience in the field of preservation of environment or climate change countermeasures</p>	
Contents		Program Period	2012/12/ 2 ~ 2012/12/19
<p>Lecture 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.</p> <p>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.</p> <p>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.</p>		Implementing Partner	Port and Air Research Institute
		JICA Center	JICA Yokohama
		Cooperation Period	2011 ~ 2013
		Remarks and Website	