






13. Nature Conservation


Research on Forest Environment and Resources 森林環境・資源研究		GROUP 	0880749
		Nature Conservation—Sustainable Use of Natural Resources	
		4 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>[Objective]</p> <p>– The objective of this program is to upgrade the knowledge and skills of researchers in the field of forest function research, forestry research, and forest products research.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> 1) To acquire comprehensive knowledge and latest information on forest research and Japanese forest administration 2) To learn basic concept to carry out research activities by themselves 3) To master basic methods of forest research through experiment, practice, analysis, discussion and report writing 4) To build a broad network with other researchers 	<p>[Target Organizations]</p> <p>– Public research institutes, universities in the field of forest function research, forestry research, and forest products research</p> <p>[Target Group]</p> <ol style="list-style-type: none"> 1) Research scientists in the field of forest function research, forestry research, and forest products research in the above-mentioned organizations 2) University graduates or equivalent qualification 3) Individuals with at least 3 years of research experience 		
CONTENTS	PROGRAM PERIOD	Aug.26.2008～Nov.22.2008	
<p>Preparatory phase: – Participants will make a country report</p> <p>Program in Japan:</p> <p>– There are three main themes of this program, namely, forest function research, forestry research, and forest products research. Only one theme is focused on in one year, therefore, this program is run on a three-year cycle.</p> <p>– According to the subject determined before coming to Japan, participants will be assigned as a member of the laboratory of the host researcher, conduct research under the supervision of the host researcher, and write up the results in a final report. By the end of the program, the participants will make a draft paper on how the research subject will be evolved in their respective organizations and will contribute for solving the issue in the field of environmental technology in their countries.</p> <p>Development phase:</p> <p>– The draft paper will be shared with the respective organizations of the participants. At 6 months after the end of the program in Japan, the participants will report the progress of their activities in their organizations to Japan.</p>	IMPLEMENTING PARTNER	Forestry and Forest Products Research Institute	
	JICA CENTER	JICA Tsukuba	
	COOPERATION PERIOD	2007～2009	
	REMARKS	<p>Website:</p> <p>http://www.ffpri.affrc.go.jp/</p>	

Management for Eco-Tourism and Sustainable Use of Natural Park 自然公園の管理・運営と利用(エコツアー)		GROUP 	0880756
		Nature Conservation—Sustainable Use of Natural Resources	
Target Countries: Excluding tropical area		6 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>To develop human resources who enhance the awareness on conservation of the environment and wise use of natural resources and promote them in their countries based on the idea of international environmental laws.</p> <p>To reach the objective, participants are expected to achieve the followings:</p> <ol style="list-style-type: none"> (1) To be able to explain the systems and ideas on conservation of the environment, management and wise use of natural resources, and community development implemented in Japan (2) To understand the systems, ideas and methods of eco-tourism, and to be able to formulate applicable plans to each country in cooperation with international environmental laws (3) To understand the importance of environmental education and to be able to formulate applicable plans to each country in cooperation with community development 	<p>【Target Organizations】</p> <p>Central/regional governments that are responsible for nature conservation, and the management and administration of natural parks and promotion of environmental</p> <p>【Target Group】</p> <ol style="list-style-type: none"> 1) Middle-ranking administrators 2) Individuals with at 2-3 years of experience in the field 3) Those who are in good health mentally and physically and not pregnant because this program includes a lot of field work 4) Age: 28-38 years old 		
CONTENTS	PROGRAM PERIOD	Aug. 31. 2008 ~ Oct. 17. 2008	
<p>Preparatory phase: To submit a job report, which includes an introduction of work, problems faced in the participants' country, fields of particular interest and the reason, as well as a questionnaire.</p> <p>Program in Japan:</p> <ol style="list-style-type: none"> 1) National Parks in Japan, Eco-tourism policy in Japan, Monitoring method on wetland 2) Case study of establishment of nature trails and nature guide, Nature observation by sea kayaking, Examples of eco-tour programs in cooperation with local industries, Protection of wildlife and eco-tours, Combination between eco-tours and mass-tours, Traditional culture and eco-tours, Eco-tour management by local people, Summary of eco-tourism 3) Protection of wildlife and environmental education, Environmental education in local areas 4) To make a concrete action plan, which describes project objectives, outputs, major activities, etc. after returning home country 	IMPLEMENTING PARTNER	Kushiro International Wetland Centre	
	JICA CENTER	JICA Obihiro	
	COOPERATION PERIOD	2007～2009	
	REMARKS	* Excluding tropical areas because the training field in Japan does not include tropical areas.	

Reinforcement of Meteorological Services 気象業務能力向上		GROUP  0880780
Target Countries: Member Countries of the World Meteorological Organization (WMO)		Water Resources/Disaster Management—Meteorology 8 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 This course aims at promoting activities to reinforce the meteorological services of each country applying meteorological data/products such as numerical weather prediction and satellite images.</p> <p>【Outputs】</p> <p>(1) To be able to explain the fundamental technique such as numerical weather prediction, satellite meteorology.</p> <p>(2) To be able to make up meteorological information which meets users' requirements based on fundamental techniques such as NWP and satellite meteorology.</p> <p>(3) To be able to brief general condition of climate and global environment and make up climate prediction applying climatological and global environmental information. (Weather Forecasting Course)</p> <p>(4) To draw up a master plan to improve the meteorological services of the participants' organizations, and to be used in participants' countries. (Climatology)</p>	<p>【Target Organizations】 National Meteorological Services</p> <p>【Target Group】 "Meteorologist" according to the WMO personnel categories</p>	
CONTENTS	PROGRAM PERIOD	Sep.15.2008~Dec.15.2008
<p>(1) Lectures on the basics of numerical weather prediction and its application. Lectures on the outline of satellite meteorology and application of satellite meteorological data.</p> <p>Lectures on the global telecommunications system.</p> <p>(2) Exercises on satellite meteorological data application. Exercises on operational forecasting.</p> <p>Lectures on the knowledge and skill to make up meteorological information which meets users' requirements.</p> <p>(3) Lectures on the climatological and global environmental information. Exercises on the application of climatological and global environmental information.</p> <p>(4) Creation of final report (including master plan). Presentation of final report and discussion.</p> <p>[After the training course] Implementation of activities to transfer the knowledge and expertise to colleagues in order to improve the meteorological services of participants' organizations (follow-up survey with questionnaire).</p>	IMPLEMENTING PARTNER	Japan Meteorological Business Support Center
	JICA CENTER	JICA Tokyo
	COOPERATION PERIOD	2008~2010
	REMARKS	


Conservation, Restoration and Wise-Use of Wetland Ecosystems and Their Biological Diversity 湿地における生態系・生物多様性とその修復・再生及び賢明な利用		GROUP  0880865
Nature Conservation—Conservation of Biodiversity		6 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>To develop human resources capable of the restoration and rehabilitation of wetland, moreover a method involving the wise-use of natural resources in wetland, by understand wetland conservation and its sustainable ecosystems and biological diversity on Ramsar Convention and Biological Diversity Conservation, To attain the objective, participants are expected to achieve the following:</p> <p>(1) To be able to explain on methods of the survey and utilization of database on wetland environments and biodiversity conservation (2) To be able to explain on the philosophy, knowledge, information and policy for execution concerning the Ramsar Convention (3) To be able to explain on restoration related to biological changes in the Ramsar Convention wetlands and wildlife habitats (4) To be able to explain on wise-use of wetland environment and its natural resources (5) To be able to formulate an action plan on conservation, restoration and the wise-use of wetland ecosystems and their biological diversity</p>	<p>【Target Organizations】 Central/regional governments engaged in measures for the conservation of wetland environments and biodiversity, the restoration and rehabilitation of ecosystems, wise use of natural resources</p> <p>【Target Group】</p> <p>1) Mid-ranking administrators, including engineers</p> <p>2) Individuals with 3-8 years of experience in this field</p> <p>3) Age: 28-38 years old</p> <p>4) Individuals in good health and not pregnant because this program includes a lot of field work</p>	
CONTENTS	PROGRAM PERIOD	May 15. 2008 ~ Jul. 4. 2008
<p>Preparatory phase: To submit a job report, which includes an introduction of work, problems faced in the participant's country, fields of particular interest and the reason, as well as a questionnaire</p> <p>Program in Japan: This course consists of the following contents.</p> <p>(1) Wetland monitoring survey methods, Bird banding survey method, Utilization of biodiversity databases, Biodiversity conservation administration in Japan (2) Philosophy of the Ramsar Convention, Method involved in the wise-use of wetland environments, Wetland conservation in subtropical wetlands (3) Conservation of traditional culture and biodiversity, Nature and wetland recovery administration in Japan, Local activities for wetland conservation, Wildlife conservation in the local area (4) Biodiversity conservation in village forests, Wise-use of biodiversity, Wise-use of wetlands in local area, Environmental education for wetland conservation, Wise-use of subtropical wetlands (5) To make a concrete action plan which describes the project objectives, outputs, major activities, etc. after returning home country</p>	IMPLEMENTING PARTNER	KUSHIRO INTERNATIONAL WETLAND CENTRE
	JICA CENTER	JICA Obihiro
	COOPERATION PERIOD	2004~2008
	REMARKS	


Forest Management Through Coexistence 共生による森林保全		GROUP 	0880919
		Nature Conservation—Sustainable Use of Natural Resources	
		12 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
To develop human resources capable of leading the conservation of existing forests, coexistence of humans and forests and forest development in each country. To reach the objective, participants are expected to achieve the followings: (1) To be able to explain how to efficiently promote both forest conservation and human activities in harmony and to achieve results (2) To be able to explain the best way to benefit from forest and the grasping method of forest resources (3) To be able to explain the roles for conservation of biological diversity played by forests	【Target Organizations】 Institutions that are engaged in forest administration and forest management 【Target Group】 1) Have knowledge about forestry science and related basic knowledge about natural and social science with at least 5 years 2) Age: Preferably under 40 years old 3) Not pregnant because of many field trips		
CONTENTS	PROGRAM PERIOD	Aug. 24. 2008 ~ Nov. 15. 2008	
Preparatory phase: To submit a job report which includes an introduction of work, problems faced in the participant's country, fields of particular interest and the reason. Program in Japan: This course consists of lectures, practical exercise, observation and discussion of the following contents. (1) Outline of forests and forestry in Japan, Local administration and forests, Balancing forest conservation and human activities (2) Forest resource determination methods, Harvest investigation, Pilot forests, Basic knowledge of forest management, Use of forestry products, Biomass energy (3) Breeding and genetic resources of forests, Forest vegetation and animals, Subtropical and mangrove forests, Forests and oceans, Wetland conservation, Prevention of global warming and forests, Nature conservation in Hokkaido (4) To make a concrete action plan, which describes project objectives, outputs, major activities, etc. after returning home country	IMPLEMENTING PARTNER	Japan Overseas Forestry Consultants Association	
	JICA CENTER	JICA Obihiro	
	COOPERATION PERIOD	2005~2009	
	REMARKS	Questionnaire about diffusion of effects of the program and execution of the Action Plan.	

Practical Case Studies on Sustainable Forest Management 持続可能な森林経営の実践活動促進		GROUP 	0880968
		Nature Conservation—Sustainable Use of Natural Resources	
Target Countries: Countries with over one million ha. of forest		16 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
This program is designed to acquire various methods to improve and develop participant's capabilities of practical leadership in the policy-making, institutional and technical implementation useful for sustainable forest management. Through the training program, participants are expected to acquire technology and knowledge in the following items: (1) Criteria and Indicators of SFM (2) Forest resource monitoring (3) National forest program (4) Participatory approach of forest management and Rural Appraisal (5) Action Plan preparation and presentation	(1) Technical staff in charge of forest management, planning and monitoring in the governmental organizations and with more than five years of experience (except for researchers at research institute and PhD holders) (2) University graduate or equivalent (3) Age: under 45 years old (4) Individuals with a sufficient command of spoken and written English		
CONTENTS	PROGRAM PERIOD	Aug.22.2008~Nov.11.2008	
(1) Introduction of Sustainable Forest Management(SFM) (2) Criteria and Indicators of SFM (in the world and in Japan) (3) Forest Resource Monitoring Method (GIS, Remote Sensing, Botanical Survey) (4) National Forest Program (Forest Policy and Planning in Japan, Forest Protection, National Park) (5) Participatory Approach of Forest Management (6) Participatory Approach of Rural Appraisal (7) Preparation and Presentation of Action Plan	IMPLEMENTING PARTNER	FOREST TRAINING INSTITUTE, FORESTRY AGENCY	
	JICA CENTER	JICA Tokyo	
	COOPERATION PERIOD	2005~2009	
	REMARKS	Participating countries should have over one million ha. of forest, representing at least 10% of total land area.	

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 Obtain theory and technology to become scientific and practical readers who can promote sustainable and eco-friendly bio-resource production.</p> <p>【Outputs】 (1)Acquirement of basic theory on agriculture, forestry and fisheries studies (2)Acquirement of practical knowledge and the deepening of thinking faculty (3)Acquirement of practical technology and skills (4)Preparing a Dissertation paper based on the knowledge and skills acquired through course work</p>	<p>【Target Organizations】 Senior Development Officials of Central and Local Government Agencies 【Target Group】</p>	
<p>CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>Sep.22.2008～Sep.22.2010</p>
<p>(1) Re; Annex (2) Seminar on the specific scientific fields of study (3) Special experiments exercise, and investigations on the specific scientific fields of study (4) Preparation and presentation of Master's thesis</p>	<p>IMPLEMENTING PARTNER</p>	<p>Kochi University, Graduate School for Agriculture</p>
	<p>JICA CENTER</p>	<p>JICA Shikoku</p>
	<p>COOPERATION PERIOD</p>	<p>2008～2010</p>
	<p>REMARKS</p>	

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 Research and study capacities of technical officers in a central or local government in a field of bioscience, environmental science and material science, which contribute to environmental conservation and management, will be enhanced. And solution of environmental issues in developing countries will be promoted.</p> <p>【Outputs】 One out of three outputs below will be chosen by a participant. (1) Obtaining necessary theory in biological science. Formulating thesis, which contains issues and solution in bioscience in each country. (2) Obtaining necessary theory in environmental science. Formulating thesis, which contains issues and solution in environmental science in each country. (3) Obtaining necessary theory in material and mathematical science. Formulating thesis, which contains issues and solution in material science and mathematics in each country.</p>	<p>【Target Organizations】 Central and local governments which are related with environmental conservation and management. 【Target Group】 (1) Technical officer in a field of environmental management in the central government and/or local government. (2) Having 3 years working experience in the related field (3) Having fine command of English</p>	
<p>CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>September.2008～September.2010</p>
<p>Followings are subjects provided at each output mentioned above: (1) Life's diversity, Biological productivity, Physiology, Organism species, Coral and island biogeocenosis (2) Marine science, Atmospheric science, Hydrosphere science, Marine science, Biological and physical cycle, Marine productivity (3) Physics (Theoretical physics), Mathematics, Information science (Computational science), Marine resource, Natural mineral, Functional material, Natural logic</p>	<p>IMPLEMENTING PARTNER</p>	<p>Graduate School of Engineering and Science, University of the Ryukyus</p>
	<p>JICA CENTER</p>	<p>JICA Okinawa</p>
	<p>COOPERATION PERIOD</p>	<p>2008～2010</p>
	<p>REMARKS</p>	<p>Topics of mater thesis will be issues related to marine in home country.</p>

Forest Management Policy in Asia – Sustainable Forest Management with Collaboration between Local Government and Community- アジア地域 森林管理政策 ～地方行政と住民との協働による持続的森林管理～		R/F		0884063
Target Countries: Participating Countries in Asia Forest Partnership (AFP)		6 participants /		English
OBJECTIVE	TARGET ORGANIZATION / GROUP			
【Objectives】 Capacity of government officials for framing forest management policy based on collaborative approach with community is enhanced through understanding of role of local government for forest management 【Outputs】 (1) Participants are able to explain: 1) forest management administration and system in Japan, 2) forest management administration of local government such as policy, law, management system and organizational structure in accordance with situation of other participating countries, and 3) collaborative forest management with other actors such as community and private enterprises in accordance with local government administration. (2) Participants are to consider and prepare an idea on sustainable forest management with collaboration of local government and community.	【Target Organizations】 Central and local governmental organization which are responsible for forest policy administration 【Target Group】 1) Current Duties: be an senior official/manager in central/local administrative organization which is responsible for forest management policy 2) Experience in the relevant field: have more than 15 years' experience in the field of forestry 3) Education Background: university graduates 4) Language: have a competent command of spoken and written English which is equal to TOEFL CBT 250 or more			
CONTENTS	PROGRAM PERIOD	Oct. 5. 2008～Oct. 26. 2008		
(1) •Role of central and local government, and forestry cooperatives •History, policy, law system, land system etc. (2) •Decentralization on forest management policy and necessary policy and law system to implement decentralized forest management •Sharing experience of participating countries by report presentation and discussion based on the presentation (3) •Role of local government for community-participatory forest management •Public awareness activities such as environmental education and volunteer activities •Sustainable natural resources management for poverty reduction (4) •Preparation and presentation of action plan •Project Cycle Management (PCM) and Participatory Rural Appraisal (PRA) method	IMPLEMENTING PARTNER	Graduate School of International Development, Nagoya University		
	JICA CENTER	JICA Chubu		
	COOPERATION PERIOD	2008～2010		
	REMARKS			

Wetland Conservation for Southeast European Countries 南東欧地域湿原保全		R/F		0884178
Target Countries: Southeast European Countries		5 participants /		English
OBJECTIVE	TARGET ORGANIZATION / GROUP			
To develop human resources who understand the techniques and tackling of wetland conservation, management and restoration and rehabilitation in Japan. To be able to distinguish the method and techniques which fit the actual circumstances of participants' countries. Moreover participants are capable of making policy and plans so that they can establish a cooperation system of related organizations and neighboring countries. 1) To be able to explain the Japan's system and ideas for natural environment conservation and regional development, 2) To be able to explain the international cooperation associated with the Ramsar Convention, World Heritage Convention, and Convention on Biological Diversity, 3) To be able to utilize the knowledge and skills related to wetland restoration and rehabilitation, 4) To understand the importance of environmental education and be able to apply ideas for programs in own countries, 5) To be able to create a clear orientation for the establishment of cooperative systems for the conservation of cross-border wetlands	【Target Organizations】 Organizations that are directly involved with tasks related to natural conservation, the management of natural parks, and the spread of environmental education 【Target Group】 (1) To be directly involved with tasks related to natural conservation, the management of natural parks, and spread of environmental education (2) To have more than five (5) years of experience in this field (3) To be no more than forty (40) years of age due to a lot of field work involved			
CONTENTS	PROGRAM PERIOD	Jul. 13. 2008 ~ Aug. 16. 2008		
Preparatory phase: Submit the job report which includes an introduction of work, problems faced in the participant's country, fields of particular interest and the reason, as well as a questionnaire. Program in Japan: This program consists of lectures, practical exercises, observation and discussion, 1) Japan's natural environment and wetland conservation, Japan's wetland conservation administration, Japan's biodiversity conservation administration, 2) Strategy on Japan's biodiversity conservation administration, Ramsar Convention, 3) Wetland restoration and rehabilitation, wildlife conservation and management, Wise use of wetland environments, 4) Environment education, regional efforts toward wetland conservation, 5) Wetland conservation promoted by international organizations, research on cross-border migratory birds' flyways, 6) Formulation and presentation of the action plan, which describes projects, outputs, major activities and etc., after returning home country	IMPLEMENTING PARTNER	Hokkaido University Ramsar Center		
	JICA CENTER	JICA Obihiro		
	COOPERATION PERIOD	2006～2008		
	REMARKS			

Target Countries : Africa


5 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Participants are expected to acquire essential knowledge and practical skills on sustainable forest administration and management necessary to develop appropriate forms of sustainable forest eco-tourism in their respective countries. Upon successful completion of the course, participants will be expected:</p> <p>(1) To understand the conceptual frameworks of sustainable ecosystems; (2) To understand the basic knowledge and practice of sustainable forest management; (3) To deepen their understanding on the participatory approach of sustainable eco-tourism including forest eco-tourism; and (4) To be able to propose action plans for accomplishing integrated forest management in their respective countries</p>	<p>(1) Administrative officers in charge of the eco-tourism development, forest management, agro-forestry management, and/or sustainable land management in governmental bodies, or researchers who contribute to policy decision-making (2) Individuals with at least three (3) years of practical experience in the field of forest management and/or Eco-tourism development (3) Understanding of the general concepts of forest management, eco-tourism, and sustainability (4) University graduates or equivalent</p>	
CONTENTS	PROGRAM PERIOD	Jul.1.2008~Jul.31.2008
<p>Preparatory phase: Participant should prepare a "Country Report" which describes the present situation and problems related to eco-tourism development and (sustainable) forest management.</p> <p>Curriculum in Japan: (1) Country Report Presentations (2) Sustainable forest management: Conceptual frameworks of sustainable forest management, administration, education on environment, timber industry, forest management union (3) Sustainable eco-tourism including forest eco-tourism: New concepts of sustainable tourism, sustainable tourism promotion in Japan(with case studies), (4) Tourism in Hokkaido and others: sustainable forest development case studies, forest management in local government/community, (5) Proposition of action plans</p>	IMPLEMENTING PARTNER	Hokkaido University
	JICA CENTER	JICA Sapporo
	COOPERATION PERIOD	2006~2008
	REMARKS	Expected number of participants per country: 2-3

Target Countries : Pacific rim countries

8 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Participants are expected to enhance their knowledge on the concept of Criteria and Indicators and enhance their capacities of application of C&I for sustainable forest management thus contribute to the support of the private sectors's activities such as forest certification and labelling scheme.</p> <p>This training program aims at following ; (1) To obtain basic knowledge and latest information on C&I and forest certification, (2) To develop a better understanding of good practices piloted in Japan, (3) To acquire practical knowledge on planning, implementation and monitoring of C&I and forest certification in participants' respective countries. (4) To draft Action Plan based on the acquired knowledge and experiences in the training program.</p>	<p>【Target Organizations】 Government departments in charge of forest management</p> <p>【Target Group】 1) Current Duties: preferably to be an administrative official or researcher currently or soon to be engaged in C&I or forest certification, 2) Experience in the relevant field: should have more than 5 years of practical experience in forest management/research or equivalent, 3) Educational Background: should be a university graduate or have an equivalent qualification</p>	
CONTENTS	PROGRAM PERIOD	Sep.23.2008~Oct.31.2008
<p>[Preliminary Phase] - Preparation of Inception Report</p> <p>[Lectures & Observation] - Criteria & Indicators (C&I) - MAR (Monitoring, Assessment and Reporting) - Forest Certification Systems / Labeling Systems - Certified timber /Certified forest products - Case study of Sustainable Forest Management in which Forest Certification Systems are applied</p> <p>[Others] - Country Report Presentation - Discussions - Action Plan Presentation</p>	IMPLEMENTING PARTNER	Hokkaido Research Center, Forestry & Forest Products Research Institute
	JICA CENTER	JICA Sapporo
	COOPERATION PERIOD	2007~2009
	REMARKS	

Rehabilitation of degraded lands in Asia and Africa アジア・アフリカ地域 荒廃地の植生回復		R/F		0884210
Target Countries: Asian and African Countries		10 participants /		English
OBJECTIVE	TARGET ORGANIZATION / GROUP			
The course is designed to enhance participants' practical skills, understanding and knowledge of land rehabilitation, taking into account the unique environmental and socio-economic conditions of specific local areas. At the end of the course, participants are expected to: (1) understand the ecological approaches and methods in rehabilitating degraded lands with a special emphasis on the uniquenesses of indigenous ecosystems (2) deepen understanding of integrated land use planning, natural resource management and public involvement through hands-on activities for ecological and rehabilitation.	【Target Organizations】 Organizations engaged in the planning and implementation of rehabilitation of degraded lands (e.g. Forestry Agency/Ministry of Agriculture and Forestry; Land Use Planning Agency, University) 【Target Group】 (1) Senior technical staff or researchers engaged in land rehabilitation planning and implementation at a local government level, especially at a community (2) Individuals under the age of 46 (3) University graduates or the equivalent with a good command of spoken and written English (4) Pregnancy is regarded as disqualification.			
CONTENTS	PROGRAM PERIOD	Nov.4.2008~Dec.19.2008		
1. Understanding the basic idea for land rehabilitation by lectures and works: 1) An ecological approach to restore indigenous vegetation (phytosociology, syntaxonomy, plant taxonomy, regional vegetation monographs, mapping actual and the potential natural vegetation, natural history); 2) planning for ecosystem conservation and restoration based on vegetation ecology; 3) land rehabilitation techniques for unique local ecosystems (reforestation techniques based on the concept of potential natural vegetation, creating the environmental protection forest); 4) ecological monitoring and evaluation of the quality, structure, and function of the restored ecosystem; 5) integrated land use planning and sustainable natural resource management for preventing land degradation 2. Presentation: 1) Job Report at the first stage of the course; 2) Draft Action Plan at the final stage of the course describing the participant's recommendations and hands-on activities for the land rehabilitation in their countries.	IMPLEMENTING PARTNER	Institute for Global Environmental Strategies, Japanese Center for International Studies in Ecology		
	JICA CENTER	JICA Yokohama		
	COOPERATION PERIOD	2007~2009		
	REMARKS	All the nominees are requested to submit a Job Report describing their responsibilities, problems faced in their countries, field of particular interest and the reason.		

Target Countries: Asia and Pacific countries with coral reefs


4 participants / English


OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>To enable participants to understand the methods of necessary surveys and policies to promote the conservation and sustainable use of coral reefs, and the importance of integrated management of coastal ecosystems.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To understand the role of coral reefs, the relationship between coral reefs and human activities, and the importance of the proper management of coral reefs. (2) To understand the theory and methodology of the conservation and restoration of coral reefs. (3) To understand tourism and the environmental education of coral reefs. (4) To understand methods of planning and designing the integrated management of coral reefs and to make a management plan (or action plan) of their countries. (5) To understand the importance and various methods of monitoring of coral reefs.</p>	<p>[Target Organizations] Administrative body (both central and local) engaged in coral reef conservation or the development planning of coastal areas and its resources</p> <p>[Target Group] (1) Administrative officials presently engaged in coral reef conservation or development planning of coastal areas and its resources (2) Individuals with practical experience of 5 years or more in the field mentioned above (3) Individuals under 45 years of age (4) Individuals with sufficient skills to snorkel in a sea</p>	
<p>CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>May.27.2008~Jul.26.2008</p>
<p><Preparatory phase> Formulating a job report describing the present situation of coral reefs in the participants' countries and participants' detailed work in their organizations, roles of their organization.</p> <p><Program in Japan> This program consists of lectures, practical exercises, discussions, report-making, presentation, and observation tours. The main subjects are as follows: (1) Conservation and sustainable management of coral reef ecosystems (2) Methods of monitoring and conserving coral reef areas (3) Tourism and environmental education of coral reefs (4) Collaborative management of coastal areas with stakeholders (5) Making and presenting the action plan</p>	<p>IMPLEMENTING PARTNER</p>	<p>Japan Wildlife Research Center</p>
	<p>JICA CENTER</p>	<p>JICA Okinawa</p>
	<p>COOPERATION PERIOD</p>	<p>2005~2009</p>
	<p>REMARKS</p>	<p>Some of program is Joint program with "Conservation and Sustainable Management of Mangrove Ecosystem" (J0800712)</p>

Target Countries: Countries with mangrove area

5 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>To enable participants to understand the techniques and methods of conservation and rehabilitation of mangrove ecosystems, and understand the importance of the integrated management of coastal ecosystems.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To understand main roles and functions of mangrove ecosystems, and to acquire knowledge on importance of conservation, monitoring, and sustainable utilization of mangrove resources, including non-destructive utilization such as eco-tourism.</p> <p>(2) To acquire basic knowledge on plant taxonomy; forest ecology, nursery practices and plantation techniques including know-how to collect propagules, and plant seedlings/propagules, and how-to manage mangrove nursery and how-to look after planted seedlings.</p> <p>(3) To understand the integrated relation of mangrove ecosystems and their neighboring sea-grass ecosystems and coral reefs; understand the needs of conservation of integrated coastal ecosystems as a whole.</p> <p>(4) To acquire basic technique of making promotional or educational materials which can be used in one's own country/region; to acquire how to make effective presentation for public awareness and knowledge on how to write a simple project proposal.</p>	<p>[Target Organizations] Those engaged in mangrove conservation or management</p> <p>[Target Group] (1) Individuals with at least 3 years of experience in the above-mentioned field (2) Individuals presently working in the field of conservation/rehabilitation of mangroves as a leader (or an expected leader) (3) Individuals 24-35 years of age</p>	
<p>CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>May.27.2008~Aug.16.2008</p>
<p><Preparatory phase> Formulating a country report describing the present situation of mangrove ecosystems in the participants' countries and roles of their organization.</p> <p><Program in Japan> This program consists of lectures, field work, discussion, report-making/presentation, and observation tours.</p> <p>(1) Ecology and plant physiology (2) Silviculture (3) Management plan and strategy of mangrove ecosystems (4) Coastal ecosystems conservation (5) Report/action plan-making (6) Presentation of an action plan</p>	<p>IMPLEMENTING PARTNER</p>	<p>INT'L SOCIETY FOR MANGROVE ECOSYSTEMS(ISME)</p>
	<p>JICA CENTER</p>	<p>JICA Okinawa</p>
	<p>COOPERATION PERIOD</p>	<p>2005~2009</p>
	<p>REMARKS</p>	<p>Some of program is Joint Program with "Management Conservation of Coral Reef Ecosystem in the Asia-Pacific Region" Program (J0800710)</p>

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 	0880031
Target Countries: Maritime Countries with tropical or sub-tropical areas		10 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>To enable participants to understand the importance of promoting a community based approach, human networking for sharing information and experience and a wide range of participation of community, which are proposed in the 'United Nations Decade of Education for Sustainable Development' and 'ACD (Asia Cooperation on Dialogue) of environmental education', and to promote those activities through education for sustainable development or environmental education.</p> <p>To reach the objective, participants are expected to achieve the following outputs:</p> <p>(1) Understand the functions, roles and importance of integrated coastal ecosystems including mangrove, sea grass and coral reef ecosystems and understand how to sustainably use those resources in harmony with local residents and communities.</p> <p>(2) Understand what is environmental education for sustainable development and how to promote it in comparison with other education models.</p> <p>(3) Understand simple methods of monitoring coastal ecosystems, and sustainable utilization, such as eco-tourism.</p> <p>(4) Write a practical program and action plan in order to make proposals for their communities or policy proposals for their governments on education for sustainable development after returning home country.</p>	<p>[Target Organizations] Organizations presently engaged, or who may be engaged in future in designing, promoting or practicing education for the sustainable development or environmental education (public sector, local government, private sector or NGOs, etc.)</p> <p>[Target Group] (1) Individuals engaged in the above-mentioned fields (2) Individuals engaged in environmental education for at least 2 years (3) Individuals under 36 years of age</p>		
CONTENTS	PROGRAM PERIOD	Sep.23.2008~Nov.8.2008	
<p><Preparatory phase> Formulating a country report describing the present situation of environmental education in the participant's country and the role of their organization.</p> <p><Program in Japan> This course consists of lectures, practical exercises, discussions, making and presenting reports, and observation tours.</p> <p>(1) Coastal ecosystems conservation (2) Environmental education for sustainable development (3) Traditional uses and eco-tourism (4) Simple methods for monitoring (5) Making and presentation of an action plan</p>	<p>IMPLEMENTING PARTNER</p> <p>INT'L SOCIETY FOR MANGROVE ECOSYSTEMS(ISME)</p> <p>JICA CENTER</p> <p>JICA Okinawa</p> <p>COOPERATION PERIOD</p> <p>2005~2009</p>		
	<p>REMARKS</p>	<p>This program will promote "A Prime Mover Project in the Asia Cooperation Dialogue (ACD) of Japan Environmental Education."</p>	

Satellite Remote Sensing Data Analysis Technology for Disaster/Environmental Monitoring 災害・環境監視のための衛星リモートセンシングデータ解析技術		GROUP  0880068
Target Countries : countries hoping for disaster/environment monitoring with SAR technology		Nature Conservation—Nature Conservation 10 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Program Objective: This program enables technicians and researchers to analyze SAR and other remote sensing data as a tool leading to solutions for disaster/environmental problem in their respective countries.</p> <p>Output: To achieve the above Program Objective, participants are expected; 1) To be able to explain the principle and analysis method of SAR and other data, 2) To be able to carry out basic processing of SAR and other data, 3) To be able to apply SAR and optical sensor data to disaster/environmental monitoring and integrate the data into map information, and 4) To be able to make case study analysis and report the result by using SAR and other data.</p>	<p>Eligible / Target Organization: This program is designed for Governmental organizations hoping for disaster/environment monitoring by means of improving remote sensing data analysis, especially SAR technology. And it is desirable that the organizations are prepared or planning systems and working environments that facilitate propagation and utilization of learned techniques.</p> <p>Nominee Qualifications: Applying Organizations are expected to adequately select nominees. Nominees must; (1) be university graduates, or the equivalent with a fundamental knowledge of physics and mathematics, (2) be technicians and researchers in the field of remote sensing (be desirable to have an experience of analysis of satellite images), associated with organizations of disaster/environmental management, (3) be under forty years of age in principle, (4) have a good command of English in speaking and writing.</p>	
CONTENTS	PROGRAM PERIOD	Aug. 3. 2008~Sep. 12. 2008
<p>Preliminary Phase: (1) Self study (2) Preparation for Presentation of Inception Report</p> <p>Core Phase in Japan: (1) Inception Report Presentation (2) Principles and analysis method of SAR and other data - Introduction of remote sensing and ALOS data - Theory of SAR, data correction (3) Basic and advanced processing of SAR and Optical Sensor data - SAR image interpretation - Radiometric and Geometric correction - Image processing from raw data - Theory of interferometric SAR (InSAR) and polarimetric SAR (PolSAR) - SAR analysis (4) Integration of disaster/environmental SAR and Optical Sensor data into geographic information - Applied analysis of SAR and optical data for disaster monitoring - Applied analysis of SAR and optical data for environment monitoring - Integrated use of the analysis result and map information (5) Output Presentation by using SAR and other data analysis - Case study analyses with respective countries' data - Presentation and discussion</p> <p>Finalization Phase: Participant 1) Presentation of his/her output 2) Development of teaching materials Participating organization 3) Submission of teaching materials, comments and Action Plan</p>	IMPLEMENTING PARTNER	Remote Sensing Technology Center of Japan
	JICA CENTER	JICA Tokyo
	COOPERATION PERIOD	2008~2010
	REMARKS	

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 Action plans to disseminate environmental education through nature experience based on the situation of participants' home countries are considered by their organization.</p> <p>【Outputs】 1) Participants will understand the current situation of environmental education through nature experience in Japan and other participants' countries, through job report presentation and case study of local government, primary school and enterprises etc. in Japan. 2) Participants will understand the methods of environmental education through nature experience and its usefulness focusing on the experience of Lake Biwa basin. 3) By the end of the core phase in Japan, participants will make draft action plans to disseminate environmental education through nature experience utilizing knowledge and skills acquired in Japan.</p>	<p>【Target Organizations】 •National or Local Government or comparable organization •NGOs, Schools</p> <p>【Target Group】 1) be an administrative officer, NGO staffs, school teachers or comparable qualifications in charge of dissemination of environmental education 2) have more than 3 years experience in the field of environmental education 3) be a graduate of university 4) between the ages of 25 and 40 years</p>	
<p>CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>Aug.18. 2008～Sep.26.2008</p>
<p>〈Preparatory Phase in participants' home countries〉 Formulation of Job Report 〈Phase in Japan〉 •Current situation and future prospects of environmental education in Japan •Understand the function of facilities for environmental education through nature experiences •【Practice & Experience】Environmental Education Programs using local resources •Various Theory and Practices •Formulation and presentation of draft Action Plan, Discussion of Action plans 〈Finalization Phase in participants' home countries〉 •Sharing and discussing of draft action plan in the participating organization •Finalizing draft Action Plan and submitting Final report including description of progress of Action Plan implementation to respective JICA Regional Offices</p>	<p>IMPLEMENTING PARTNER</p>	<p>International Lake Environment Committee etc.</p>
	<p>JICA CENTER</p>	<p>JICA Osaka</p>
	<p>COOPERATION PERIOD</p>	<p>2008～2010</p>
	<p>REMARKS</p>	


OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【OBJECTIVES】 Environmental education programs to arouse awareness for environmental conservation are implemented by participants in their respective countries.</p> <p>【OUTPUTS】 (1) Be able to explain current situation and its problems of natural environment of their country and importance of environmental education as measures for environmental conservation (2) Be able to implement environmental education methods, which center around nature experience (3) Share environmental education program, which is applicable to participant's country, among participant's organization</p>	<p>【TARGET ORGANIZATIONS】 Nature Conservation Organization, Education Institution, or NPOs/NGOs which engage in environmental education.</p> <p>【TARGET GROUP】 • Central or local government officers or the member of NGOs/NPOs who are closely involved in planning and management of environmental education and expected to be in charge of such duties. • Have over 3 years of experience in environmental education. • Have a sufficient command of speaking and writing English in order to undertake the course as a lot of time is allocated for discussion;</p>	
<p>CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>Oct.20.2008～Nov.29.2008</p>
<p>(1) PRELIMINARY PHASE: Participants make a report on current situation and its problems of natural environment of their country and participant's occupation.</p> <p>(2) CORE PHASE IN JAPAN: 1) Review on current situation and its problems of natural environment of their country through presentation and discussion on the report. 2) Comprehensive understanding of environmental education. 3) Understanding of environmental education framework in Japan. 4) Understanding of roles of nature school. 5) Practice environmental education programs using local resources. 6) Practice environmental education methods, which center around nature experience. 7) Make action plan for implementing and disseminating environmental education in participant's country. 8) Presentation and discussion on action plan.</p> <p>(3) FINALIZATION PHASE: Participants share action plan among participant's organization and making progress report of action plan by participant's organization.</p>	<p>IMPLEMENTING PARTNER</p>	<p>NPO Institute of Whole Earth</p>
	<p>JICA CENTER</p>	<p>JICA Chubu</p>
	<p>COOPERATION PERIOD</p>	<p>2008～2010</p>
	<p>REMARKS</p>	

Target Countries: Maritime Countries with tropical or sub-tropical areas

10 participants

English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>To enable participants to learn the methods of planning and implementation of eco-tourism utilizing tourism resources in island countries of tropical and subtropical areas, such as coral reefs and mangroves, to plan and implement eco-tourism which balanced with environment management.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To acquire the knowledge and skills necessary to plan and manage eco-tourism in a locality.</p> <p>(2) To understand the eco-tourism implementation system such as human resource development, utilization, etc. in Okinawa.</p> <p>(3) To understand the resource distribution survey and arrangement method used in Okinawa.</p> <p>(4) To prepare and make a presentation of eco-tour program through the use of area resources.</p> <p>(5) To prepare and make a presentation of action plan.</p>	<p>[Target Organizations] Engaged in the planning and management of tourism development and eco-tourism (administrative agencies, public corporations or NGOs, which work together with administrative agencies)</p> <p>[Target Group] (1) Individuals with at least 3 years of experience in the above-mentioned field (2) Individuals under 35 years of age</p>	
CONTENTS	PROGRAM PERIOD	Apr.1.2008~Jun.28.2008
<p><Preparatory phase> Formulating a job report describing the present situation of coral reefs in the participants' countries and participants' detailed work in their organizations, roles of their organization.</p> <p><Program in Japan> This program consists of lectures, practical exercises, discussions, report-making, presentation, and observation tours. The main subjects are as follows: (1) Eco-tourism: the current state and issues. (2) Government sector's initiatives toward tourism development and environmental conservation. (3) Natural environment and conservation efforts in tropical and subtropical areas. (4) Resources development (including human resources), presentation, etc. (5) Preparation and presentation of eco-tour program and action plan</p>	<p>IMPLEMENTING PARTNER</p>	<p>Okinawa Environment Club</p>
	<p>JICA CENTER</p>	<p>JICA Okinawa</p>
	<p>COOPERATION PERIOD</p>	<p>2004~2008</p>
	<p>REMARKS</p>	<p>(1) Carrying out an "Issue analysis workshop". (2) JICA-Net lecture by the ex-participants of this course.</p>

Wildlife Conservation and Management for Africa アフリカ地域野生生物保護管理		R/F  0884030
Target Countries: Africa		Nature Conservation—Conservation of Biodiversity 4 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
(1) Understand the basic theory of wildlife management and wildlife research methodology as well as its analysis skills, for the improvement of wildlife research activities. (2) Understand the present situation of wildlife management of other countries for the improvement of wildlife protection and management activities. (3) Understand how to formulate an implementation plan (action plan) applying information and knowledge obtained through the course, for the improvement of wildlife management or research activities.	Technical officials who are engaged in wildlife management and research work in government or parastatal organizations with three (3) years or more of experience.	
CONTENTS	PROGRAM PERIOD	Aug.17.2008～Oct.16.2008
<p>The curriculum consists of the following three parts.</p> <p>(1) Lectures</p> <ul style="list-style-type: none"> • Basic theory of wild-life management research method • Management/Analysis of research data and creation of information systems • Basic wildlife policies and their historical background in Japan and other countries. • System of natural parks in Japan and other countries, their management and use for tourism. <p>(2) Field visit</p> <p>(3) Presentation and discussion</p> <ul style="list-style-type: none"> • Country report presentation • Case studies of wildlife conservation and management • Comprehensive discussion concerning the current situation of wildlife management in Africa. • Action plan (preparation, presentation and discussion) 	IMPLEMENTING PARTNER	Japan Wildlife Research Center
	JICA CENTER	JICA Tokyo
	COOPERATION PERIOD	2007～2009
	REMARKS	

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【OBJECTIVES】 Environmental education programs to arouse awareness for environmental conservation are implemented by participants in their respective countries.</p> <p>【OUTPUTS】 (1) Be able to explain current situation and its problems of natural environment of their country and importance of environmental education as measures for environmental conservation (2) Be able to implement environmental education methods, which center around nature experience (3) Share environmental education program, which is applicable to participant's country, among participant's organization</p>	<p>【TARGET ORGANIZATIONS】 Nature conservation organization, education institution, or NPOs/NGOs which engage in environmental education</p>	
<p style="text-align: center;">CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>Sep.15.2008~Oct.18.2008</p>
<p>(1) PRELIMINARY PHASE: Participants make a report on current situation and its problems of natural environment of their country and participant's occupation</p> <p>(2) CORE PHASE IN JAPAN: •Review on current situation and its problems of natural environment of their country through presentation and discussion on the report •Comprehensive understanding of environmental education •Environmental education in Japan •Understanding of roles of nature school •Practice of environmental education programs using local resources •Practice of environmental education methods, which center around nature experience •Making action plan for implementing and disseminating environmental education in participant's country •Presentation and discussion on action plan</p> <p>(3) FINALIZATION PHASE: •Sharing action plan among participant's organization and making progress report of action plan by participant's organization.</p>	<p>IMPLEMENTING PARTNER</p>	<p>NPO Institute of Whole Earth</p>
	<p>JICA CENTER</p>	<p>JICA Chubu</p>
	<p>COOPERATION PERIOD</p>	<p>2008~2010</p>
	<p>REMARKS</p>	<p>This seminar will be implemented twice for JFY 2008. The second one is scheduled from Jan.19.2009 to Feb.28.2009 in the same content.</p>

OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objectives】 Under the theme of the waste disposal problem which is the common characteristic in Oceanian countries, ESD promotion plan will be formulated as suit the each countries' condition.</p> <p>【Outputs】 (1)To understand the Japan's environmental policy and projects. (2)To understand the education for community and human development in a sustainable way through environmental issues. (3)To understand waste disposal problems, international trends and an environmental education. (4)To learn planning of problem solution and business promotion method utilizing the regional characteristics. (5)To formulate action plans for sustainable development of a region in each country.</p>	<p>【Target Organizations】 Ministries related ESD (such as Ministry of Environment, Education, Economy, Foreign Affairs and so on)</p> <p>【Target Group】 1)Current Duties: be an officer, technical officers in the administrative bodies who is presently engaged in the field of environmental policy or environmental education (Participants from not only the Ministry of Environment and Education but also other ministries and agencies are acceptable) 2) Educational Background: be equal or surpassing to a graduate of university 3)Age: be between the ages of twenty-six (26) and forty (40) years</p>		
CONTENTS	PROGRAM PERIOD	Oct.5.2008～Oct.25.2008	
<p>Output(1) •To take lectures about outline of basic environment plan of central and local government in Japan. •To take lectures about autonomy's activities from Nishinomiya City.</p> <p>Output(2) •To take lectures about basic notion of ESD •To visit the sites of education and activity of ESD in Nishinomiya City</p> <p>Output(3) •To visit Nishinomiya Waste Treatment Facility and private waste treatment facility •To take lectures about economic activity related to waste products and international trend</p> <p>Output(4) •Visit a school and local community to learn environmental education for waste products •To have a workshop of business solution about regional development</p> <p>Output(5) To make up an action plan through a workshop</p>	IMPLEMENTING PARTNER	Learning and Ecological Activities Foundation for Children	
	JICA CENTER	JICA Hyogo	
	COOPERATION PERIOD	2008～2010	
	REMARKS	Three (year-on-year) objectives are set for each year's training. And utilize ex-participants to the next year's training to make linkage among 3 year's training.	

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 Technical staffs of governmental and municipal offices for nature conservation or biodiversity conservation can acquire knowledge of collection, analysis, and dissemination of biodiversity information, and can have the ability to build and manage their own information system for biodiversity conservation of their countries.</p> <p>【Outputs】 (1) To understand the nature conservation policies in Japan, and to designate the actual situation and the current issues in their countries. (2) To explain the basic techniques of biodiversity data collection, and to acquire basic operation of the information systems. (3) To explain the necessary GIS techniques for data management and dissemination, and to acquire basic operation of GIS. (4) To explain biodiversity information dissemination (e.g. Web site design) through the Internet, and to acquire basic operation of related softwares.</p>	<p>【Target Organizations/group】 Governmental or municipal offices for nature conservation or biodiversity conservation</p>	
<p style="text-align: center;">CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>Sep.4.2008～Oct.27.2008</p>
<p>(1)(Before the course) - To make a report of actual situation and current issues of biodiversity conservation and information systems in their countries.</p> <p>(During the course) - Presentation and discussion of the reports mentioned above. - Lectures of the Japanese policies related to national parks and nature conservation, and tours of national parks in Japan.</p> <p>(2)(During the course) - Lecture of outline of Biodiversity Center of Japan. - Lecture of National Survey on Natural Environment and Monitoring site 1000 project in Japan. - Lecture of data collection on Biodiversity Information System in Japan.</p> <p>(3)(During the course) - Lecture of data collection on Biodiversity Information System in Japan. - Lecture of remote-sensing, GIS, and GPS application. - Practice of computer network, the Internet, and database.</p> <p>(4)(During the course) - Lecture of data dissemination to the general public in Japan. - Lecture of Web GIS application for data dissemination. - Practice of Web site design and GIS operation.</p> <p>(5)(During the course) - Practice to build biodiversity information system. - Practice to make action plan and to prepare presentation. - Presentation and discussion of their action plans.</p>	<p>IMPLEMENTING PARTNER</p>	<p>Biodiversity Center of Japan, Nature Conservation Bureau, Ministry of the Environment</p>
	<p>JICA CENTER</p>	<p>JICA Tokyo</p>
	<p>COOPERATION PERIOD</p>	<p>2008～2010</p>
	<p>REMARKS</p>	

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 This course aims at achieving consensus for challenges on forest watershed management among the related persons and clarified the issues on implementing projects and business for the solution.</p> <p>【Output】 By the end of the course, participants are expected to:</p> <p>(1) understand the forest operation to improve water and soil conservation function of forest, forest management system, forest soil management, soil saving techniques to acquire ability of applying the knowledge in respective countries, (2) understand Japanese forest and watersheds management system, to acquire the ability of applying the skill in respective countries, (3) understand methodologies for making action plan and formulate and present the action plan, which is based for the challenges on forest watershed management in respective countries and the applicable technology/system. (4) having consensus for challenges on forest watershed management among the related persons and organizing important issues for improvement of implementing projects and business within 6 months after returning to home country.</p>	<p>Official technical staff who is responsible for administration for forest and forestry, or NGO's project managers related to forest management or equally experienced persons.</p>	
<p style="text-align: center;">CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>Aug.24.2008～Oct.25.2008</p>
<p><Preliminary Phase in home country> Making a Country Report describing job outlines, the status of forest watershed environment and forest management.</p> <p><Core Phase in Japan> The program mainly covers the following subjects in lectures, site visits and exercise: 1)Forest soil survey 2)Forest hydrology and theory of water conservation and erosion control 3)Soil & water conservation technologies in subtropical zone 4)Social institution and policy with relation to soil & water conservation 5)Formulation of a concept of action plan</p> <p><Follow-up Phase> Participants are expected to implement the Action Plan and report on the progress.</p>	<p>IMPLEMENTING PARTNER</p>	<p>JAPAN FOREST TECHNOLOGY ASSOCIATION</p>
	<p>JICA CENTER</p>	<p>JICA Tokyo</p>
	<p>COOPERATION PERIOD</p>	<p>2005～2009</p>
	<p>REMARKS</p>	