

13. Nature Conservation

Training for Regional Development by Systematic and Comprehensive Utilization of Forest Resources through Forest Certification System and Product Branding 認証制度やブランド化を通じた森林資源の総合利用による地域振興		1684730 Continuing
Target Countries :		12 participants
Course No. :J1604319		
Sector :Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language :English		
Outline		
Some local cities promote regional development with private-public initiative utilizing forest resources in Hokkaido. And JICA 's project in Ethiopia contributed to improve of livelihood in local community through acquiring international certification for coffee product. This course aims to enhance the capacity for regional development utilizing certification system and regional-branding of forest resource.		
Objective/Outcome		Target Organization / Group
【Objective】 Concrete action plan which contribute to regional development through utilizing certification system and regional-branding of forest resource.		【Target Organization】 Central/ local government or public organization which is in charge of appropriate management and use of forest resource 【Target Group】 1. Current duty: Person engaged in appropriate management and use of forest resource at central/ local governmental or public organization 2. Experience in the relevant field: More than 5 years
【Outcome】 1. Understanding of current situation of management method and additional value of forest resource in Japan 2. Understanding of world forest certification system and trend of timber regulation 3. Understanding of concrete management and utilizing method of forest resource 4. Propose improvement idea of utilizing forest resource for regional development from the model case in Hokkaido 5. Sorting out difficulties in participant's country and making action plan toward resolving the difficulties		
Contents		Course Period
1. Current situation of forest and timber industry in Japan/ Trend of forest certification system and regional-branding in Japan 2. Forest certification system (SGEC／FSC／PEFC／rainforest alliance etc.) / World trend of timber marketing and forest certification/ World trend of timber regulation(Japan, EU, United States)/ Discussion of forest certification system and timber production in participant ' s country 3. Forest and timber industry in Hokkaido/ Regional development and forest certification/ Management and utilization of forest resource at municipalities in Hokkaido/ Additional value of forest 4. Workshop on utilization of forest resource and regional development/ Propose improvement idea of utilizing forest resource for regional development 5. PCM/ Presentation of action plan	2016/09/17 ~ 2016/10/29	
	Implementing Partner	Under Planning
	Department in Charge	Global Environment Department
	JICA Center	JICA Hokkaido (Sapporo)
	Cooperation Period	2014～2016
	Remarks and Website	

Remote Sensing of Forest Resources 森林リモートセンシング		1684732
		Continuing
		13 participants
Target Countries : Countries for Grant Aid of "The Forest Preservation Programme"		
Course No. : J1604133		
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : English		
Outline		
REDD+ is well known as an urgent issue in global society. But in many developing countries, there are not sufficient systems nor personnel so that they can investigate forest resources, which is basic information for REDD+. In this training, participants can acquire basic remote sensing skills and make a database using basic GIS technique in order to understand forest resources in their own countries.		
Objective/Outcome		Target Organization / Group
【Objective】 Participants are expected to acquire the basic skills and knowledge for using remote sensing with the aim of understanding forest resources in their own countries on the basis of international discussion of REDD+. Participants are expected to acquire the basic skills and knowledge for making database of their own countries using GIS technique.		【Target Organization】 Forestry Department, Department of Environment of Natural Resources which are engaged in forest management or REDD/Climate Change 【Target Group】 1. An administrative official or researcher currently to be engaged in forestry management or REDD which use remote sensing or GIS in routine work 2. More than 3 years of practical experience or research in this fields. 3. University graduate or have an equivalent qualification 4. Good English skill 5. IT literacy, using computer such as Windows and Windows Office 6. Good health, physically and mentally 7. Not in any form of military service 8. Should be between 25 to 40 years old
【Outcome】 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 of forest resources. 6. With using skills, technique and knowledge which are expected to learn during this training course, to make a database of their own country in order to investigate forest resources.		
Contents		Course Period 2016/08/21 ~ 2016/10/08
1. To formulate and submit Country Report 2. To understand international discussion on REDD+, trends and effort of forest monitoring system, introduction of JICA and JAXA cooperation, introduction of ALOS2(Palsar2), to visit the research field, to visit company, introduction of the precedent projects 3. Basic Knowledge of Remote Sensing: spectral characteristics, sensor types, characteristics of the data, mechanism of image classification, description of indicators, available softwares 4. Acquisition of Remote Sensing Technology: pre-processing of data, creation of landcover map, and the calculation of the index interpretation 5. Acquisition of GIS technology: software, basic knowledge of data, utilizing the ecosystem services with the model of forest carbon stocks to mapping technology and decision-making 6. To take advantage of technique learned in ③~⑤, to design database for forest resource monitoring. Using knowledge of ③~⑤, help to solve problem in their own country		Implementing Partner Rakuno Gakuen University
		Department in Charge Global Environment Department
		JICA Center JICA Hokkaido (Sapporo)
		Cooperation Period 2014~2016
		Remarks and Website http://en.rakuno.ac.jp

Sustainable Natural Resource Management through Collaborative Management of Protected Areas 保護地域の協働管理を通じた持続的な自然資源管理		1684735
		Continuing
Target Countries : Prioritised by JICA's Strategic Plan (2014-2020) in Nature Conservation Sector		10 participants
Course No. : J1604145		
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector : Nature Conservation/Conservation of Biodiversity		
Language : English		
Outline		
This program aims to understand the collaborative protected area management and sustainable natural resources use 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.		
Objective/Outcome		Target Organization / Group
【Objective】 Getting more understanding of collaborative management of PA and sustainable natural resource use under the common understanding of multi-stakeholders including local communities and/or private sectors. Participants connect acquired skills and method to improvement of PA management through developing action plan.		【Target Organization】 Local government, NGO/NPO and private sectors in charge of natural resources management and protected area management.
【Outcome】 1. Understanding collaborative PA management 2. Understanding natural resource management in PA 3. Understanding way of getting consensus among stakeholders and Acquiring skills and method on problem/conflict solution. 4. Understanding environmental education, public awareness (CEPA) and tourism. 5. Development of Action Plan.		【Target Group】 Those who are involved in natural resources management and protected area management have more than 5 years' experience in the field.
Contents		Course Period
1. Lecture (Collaborative PA management) 2. Lecture and Site Visit (Sustainable natural resource use in and around PAs including wildlife management and Satoyama Initiative) 3. Lecture (Consultative committee for collaborative PA management including World Heritage site) 4. Lecture and site visit (Case studies of CEPA and tourism management in PAs) 5. Development of Action Plan (Third Country) Learn more and make Action Plan (Home Country) Implementation of the action plan and Submission of a Progress Report to JICA		2016/09/11 ~ 2016/09/30
		Implementing Partner
		Japan Wildlife Research Center
		Department in Charge
		Global Environment Department
		JICA Center
		JICA Hokkaido (Obihiro)
		Cooperation Period
		2015~2017
		Remarks and Website

Sustainable Forestry Management with Community Participation 地域住民の参加による持続的な森林管理		1684738 Updated
Target Countries :		17 participants
Course No. :J1604375		
Sector :Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :Poverty Reduction/Poverty Reduction		
Language :English		
Outline		
This program is designed to develop capacity to carry out forestry management through a variety of activities based on community participation.		
Objective/Outcome		Target Organization / Group
【Objective】 The methods of dissemination and teaching necessary to carry out forestry management projects with community participation will be shared with related departments in the target organization. 【Outcome】 1. To understand the system of Japanese administrative organization related to sustainable forestry management with community participation. 2. To understand the roles of various organization (Administrative organization, NPO, Community group, Private company etc.) and the relation among them to realize sustainable forestry management with community participation. 3.To understand systems and actual cases(community people involved) of nature conservation and forest reserve management in Japan. 4.To undersatand the international situation on forestry management and community participation (Latest trend of community participation under REDD+ etc). 5. To find the appropriate way of promoting community participation for their own countries, based on the cases of other countries.		【Target Organization】 Public institution in charge of forest management 【Target Group】 A person Who can spread the method of forestry management to local residents. A person who has more than three years expereince in related work.
Contents		Course Period
[Preparation phase] Preparation of the inception report which explain current situation of forest management activities with community participation in their countries.		2016/08/23 ~ 2016/11/19
[Training phase in Japan] Lectures, practices, discussions and obsavation visits will be made for following matters. 1. The current situation and system in Forestry management in Japan. 2. The roles of various organization (Central government, Local government, Forest owner's cooperative, Producer's cooperative, NPO, Private company etc.) and their cases in Forestry management in Japan. 3. Forestry conservation, biodiversity conservation, forest reserve management, forest park 4.Overview of REDD+, International opinions and cases about social safeguard. 5. Dissemination method of Japan and other countries, PCM (Project Cycle Management) method for participatory planning, Preparation and presentation of the interim report.		Under Planning
		Implementing Partner
		Department in Charge
		Global Environment Department
		JICA Center
		JICA Hokkaido (Obihiro)
		Cooperation Period
		2016～2018
		Remarks and Website
[After training phase] Share Final report in their organizations and submit "Questionnaire on the progress of the JICA ex-participants' activity" after six months.		Web site of JOFCA http://www.jofca.or.jp/

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		1684741
		Continuing
		10 participants
Target Countries : French speaking countries in Africa		
Course No. : J1604058		
Sector : Nature Conservation/Sustainable Use of Natural Resources		
Sub-Sector :		
Language : French		
Outline		
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/Outcome		Target Organization / Group
【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.		【Target Organization】 Organizations or Ministries relevant to forest management or working in French Speaking Countries in Africa, especially members of COMIFAC.
【Outcome】 1. The knowledge and technology about forest-resources monitoring are improved. 2. Understanding of the importance and the practical use method of forest-resources monitoring is deepened 3. Based on the example of Japan, the issues about forest-resources monitoring in their own country are overhauled and the concrete measure is elaborated.		【Target Group】 1. To be an officer working in the Organizations or Ministries above. 2. To have more than 7 years of experience in forestry sector 3. To have sufficient command of French
Contents		Course Period 2016/09/28 ~ 2016/11/02
【Lecture and Inspection】 1. Forest-resources monitoring(FRM) outline, 2. FRM in Japan and Other Countries, 3. Structure construction of FRM, 4. Combined use of a satellite imagery and site reconnaissance, 5. Calculation method of the amount of CO2 absorption, 6. Viewpoints such as biodiversity conservation Relationships between FRM and as follows. 1. Outline of international forest conservation/Management, 2. Measures against a climate change such as REDD+, 3. The index and standard of a forest management, 4. Forest certification, 5. The measure against illegal logging		Implementing Partner Japan Forest Technology Association (JAFTA)
		Department in Charge Global Environment Department
		JICA Center JICA Tokyo (Economy&Env.)
【Presentation and Discussions】 1. the Country report(CR) preparation/presentation/discussion, 2. Action plan(AP) making/presentation /discussion, 3. Revising the AP with the affiliation organization and related organizations such as COMIFAC		Cooperation Period 2015~2017
		Remarks and Website This program includes many field works and practices outside Tokyo, which may be a heavy burden to a pregnant woman.

Eco-tourism for Officials on Nature Conservation 自然環境行政官向けのエコツーリズム		1684831 New	
Target Countries :		8 participants	
Course No. :J1604307			
Sector :Nature Conservation/Sustainable Use of Natural Resources			
Sub-Sector :Nature Conservation/Conservation of Biodiversity			
Language :English			
Outline			
Ecotourism can be a valuable measure towards using the natural environment wisely; contributing towards fund raising for biodiversity conservation as well as the improvement of awareness and livelihoods for the local people. This training aims to strengthen the capacity of administrators in charge of promoting/developing nature conservation plans/projects including ecotourism in and around nature reserves.			
Objective/Outcome		Target Organization / Group	
【Objective】 Participants in the training will learn mechanisms and techniques required for planning and implementation of sustainable ecotourism with regard to environmental, economic and social aspects. 【Outcome】 1. The concept of ecotourism, an outline of the nature conservation area system including national parks in Japan, and methods of conservation and monitoring of natural resources as related to tourism can be explained. 2. Needs and methods for tourism marketing in planning ecotourism and a mechanism for collaboration among related ministries, local governments and private companies in planning and implementing ecotourism can be explained. 3. Needs and methods for environmental education can be explained. 4. Needs and methods for community-participatory (community-based) tourism can be explained. 5. It becomes possible to promote or develop conservation plans and project plans incorporating ecotourism by using findings obtained in 1) to 4) in an integrated manner.		【Target Organization】 National and local administrative organizations involved in the promotion/development of conservation/project plans for natural environments. 【Target Group】 1) National/local administrators involved in the promotion/development of conservation/project plans or persons who nominated by administration agency; 2) More than three years of work experience; 3) Between 25 to 40 years old; 4) Need basic PC skill	
Contents		Course Period	
1. Preparation of an inception report. 2. Learning through the following lectures, practical training, and study visits in order to achieve the unit goals described above: ① Overview of ecotourism: Definitions, advantages and disadvantages of cotourism, an outline of payment for ecosystem services (PES), etc.. ② Outline of the nature conservation area system including national parks in Japan: Legal framework, characteristics of Japan's zoning-based natural park management system, relationships with local governments and surrounding local people, park management planning and management techniques including financial mechanisms, etc.. ③ Monitoring/management of plants, animals, etc.: Mechanisms of use and admission controls, case studies, etc. in Japan's zoning-based natural park. ④ Mechanisms for collaboration among related ministries, local governments, private companies and tour operators in planning and implementing ecotourism: Outline of the Ecotourism Promotion Council system, case studies, etc.. ⑤ Efforts of environmental education: Nature guide/interpreter systems and human resource development, case studies,etc.. ⑥ Community-participatory tourism: Case studies (utilization of cultures, etc.) ⑦ Formulation, presentation and discussion of an final report which includes learning from this program and how to use the learning to promote ecotourism in the participant's country and what points to note.		2016/08/23 ~ 2016/10/05	
		Implementing Partner	Under Planning
		Department in Charge	Global Environment Department
		JICA Center	JICA Hokkaido (Obihiro)
		Cooperation Period	2016~2018
Remarks and Website			

Integrated basin management for sustainable use and preservation of water resources (lakes, rivers and coastal waters) 統合的流域 (河川・湖沼・沿岸域等) 管理による水資源の持続可能な利用と保全		1684740 Updated
Target Countries : Countries with environmental problems on lakes, rivers, coastal waters		10 participants
Course No. : J1604281		
Sector : Nature Conservation/Conservation of Biodiversity		
Sub-Sector : Environmental Management/Water Pollution		
Language : English		
Outline		
Participants will understand the importance of proper management of “Lentic-Lotic System” including lakes, rivers, coastal waters etc. which have various stakeholders based on "Integrated Lake Basin Management (ILBM)," which aims at integral pursuit of six issues (Institutions, Policies, Participation, Technologies, Knowledge and Information, and Finance).		
Objective/Outcome		Target Organization / Group
【Objective】 By making better use of the knowledge and technology of this course, it will help making and implementing action plans of the basin management (lakes, rivers, coastal waters, etc.) properly in countries of participants who are technical officers, policy makers, and researchers.		【Target Organization】 Central government and local government in charge of basin lake management administration (lakes, rivers, coastal waters, etc.)
【Outcome】 1. Participants will prepare a preliminary report and questionnaire about the management of the basins they are in charge of. 2. Participants will share difficulties and challenges to comprehend what to learn in this course. 3. Participants are able to explain the value and utilization about the water resources. 4. Participants are able to explain the challenges of governance in the field of basin management in general and in their respective country. 5. Participants are able to propose draft Action Plans to solve the problems/challenges which participants' organizations are facing, by properly integrating the components of the ILBM framework. 6. Draft Action Plans are shared and discussed by the participating organization.		【Target Group】 Technical officers, policy makers, and researchers etc. in charge of the basin management (lakes, rivers, coastal waters, etc.). More than three years of occupational experience in related field. Competent command of spoken and written English.
Contents		Course Period 2016/08/15 ~ 2016/10/15
【Preliminary Phase in home country】 Preparation, presentation and discussion of Country Report		Under Planning
【Core Phase in Japan】 1. Lectures and field trips based on the following topics: (1) Share information about the state of water resources in charge (2) Biophysical Characteristics (3) Human use		Implementing Partner
2. Lectures and field trips based on the following 6 pillars of ILBM (Integrated Lake Basin Management) (1) Institutions (2) Incentives and Regulations (3) Involving People (4) Technological Response (5) Information (6) Finance		Department in Charge Global Environment Department
		JICA Center JICA Kansai (II)
		Cooperation Period 2016~2018
【Finalization Phase in home country】 Preparation, presentation, discussion, sharing and improvement of Action Plan		Remarks and Website

Improvement of Environmental Education Technique for Biodiversity Conservation 生物多様性保全のための環境教育技能向上		1684743 Continuing	
		12 participants	
Target Countries :Capacity Development for Environmental Education for Biodiversity Conservation			
Course No. :J1604308			
Sector :Nature Conservation/Conservation of Biodiversity			
Sub-Sector :Environmental Management/Environmental Administration			
Language :English			
Outline			
For conserving nature and biodiversity, it is needed to take account the rights and benefits of local residents. The government officers in charge of nature conservation need interpretation skills for smooth dialogue with stakeholders including local residents. The course is aiming to strengthen the ability of interpretation skills for officers in charge of nature conservation in developing countries.			
Objective/Outcome		Target Organization / Group	
【Objective】 To enable participants to conduct effective problem analysis and to make proposal for solving nature conservation issues by utilizing the interpretation skill, the facilitation skill and PCM method, which are gained through the course.		【Target Organization】 Ministry of Environment, Ministry of Natural Resources and Environment, Ministry of Agriculture and Forestry, Ministry of Forestry 【Target Group】 be involved (currently and in the future) in planning and promoting environmental education for national parks or relevant protected areas in central or regional government, educational organization.	
【Outcome】 1. To share the purpose of participation into the course with the course leader and participants. 2. To understand effective and applicable method of environmental education through lectures. 3. To master the interpretation method and the facilitation method for problem finding. 4. To master the PCM method for problem analysis and to reach reasonable agreement. 5. To propose better solution for the future work of each participant.			
Contents		Course Period	
To share the purpose of participation into the course with the course leader and participants. 1. To prepare and submit the report on stakeholder analysis of his/her own country 2. To make presentation and discuss the report 3. To understand effective and applicable method of environmental education through lectures. 4. To master the interpretation method and the facilitation method for problem finding 5. Interpretation method, Facilitation method -Learn from Japanese experience -Kushiro-wetland, Hokkaido -Learn from Japanese experience ① -Learn from Japanese experience ② 6. Review the problem finding method 7. To master the PCM method for problem analysis and to reach reasonable agreement. 8. Problem analysis with PCM method, PCM method workshop 9. To review the problem analysis, the proposal of solution method 10. To propose better solution for the future work of each participant 11. Report Preparation		2016/09/20 ~ 2016/10/22	
		Implementing Partner	Japan Environmental Education Forum
		Department in Charge	Global Environment Department
		JICA Center	JICA Hokkaido (Obihiro)
		Cooperation Period	2014~2016
		Remarks and Website	

GIS and Remote Sensing utilized for Biodiversity Information System and Participatory Approach toward Biodiversity Conservation Actions 生物多様性保全のためのGIS・リモートセンシングを利用した情報システム及び住民参加型保全		1684744 Continuing 6 participants
Target Countries :		
Course No. :J1604140		
Sector :Nature Conservation/Conservation of Biodiversity		
Sub-Sector :		
Language :English		
Outline		
In the National Biodiversity Strategy of Japan 2010, it showed a vision of achieving the world of "maintain ecosystem services, provide their benefits for everyone, evaluate/conservate biodiversity, utilize it wisely". For the achievement, understanding current status, accumulating/sharing information, actions based on the fact and consensus building between stakeholders, are required. (*)		
Objective/Outcome		Target Organization / Group
【Objective】 Participants and their organizations will acquire techniques needed to manage biodiversity conservation and protected areas, understand related mechanisms, and be able to formulate an action plan for solving problems. 【Outcome】 1. Understand government policies/private organizations' activities related to survey/conservation of biodiversity and related issues like human-nature conflicts, and explain current status/problems in their own country 2. Understand ideas/techniques of GIS/remote sensing/database/web system and their operations 3. Understand ideas/techniques for setting protected areas/buffer zone by GIS/remote sensing, and for evaluating effects 4. Learn about scientific surveys to know ecological situations, and methods to know causes of human-nature conflicts 5. Learn about creating natural-environment data by local people/universities/NGOs, and ideas/methods of collaboration for managing protected areas/buffer zone 6. Understand ideas/techniques for collecting/accumulating/sharing natural-environment data 7. Propose the projects/measures for environmental education, consensus building with local people, etc., to conserve biodiversity and maintain ecosystem services, based on outputs 1)-6) above		【Target Organization】 Central/Regional public institution or private organizations, engaged in planning/implementing measures for biodiversity conservation (including NGO) 【Target Group】 1. Central/Regional officials, NGOs/private organizations' staff, researchers, engaged in planning/implementing measures for biodiversity conservation 2. 5 years practical experience or more 3. Age: 25-40 years old 4. Be able to operate PC smoothly
Contents		Course Period
【Preliminary Phase in home country】 Submission of Inception Report 【Core Phase in Japan】 In order to set appropriately protected area/buffer zone for maintaining biodiversity conservation and ecosystem services, build network and reduce conflicts, participants will learn the following by lectures/practices/field visits; 1. Policies/measures taken for conservation/survey of natural environment/biodiversity in Japan 2. Basic techniques on GIS/remote sensing, methods for creating/display/analysis of information by GIS 3. Ideas/techniques of setting conservation areas (GAP analysis) and biodiversity evaluation by GIS 4. Methods of surveys/monitoring for understanding causes/current status in human-nature conflicts, and GIS data origination based on the survey results 5. Ideas/techniques of information sharing with local people, consensus building, environment education and awareness raising 6. Compiling database for accumulating/sharing survey data/information related to natural environment. 7. Making Action Plans for proposing the project		2016/05/24 ~ 2016/07/30
		Implementing Partner
		Biodiversity Center of Japan, EnVision Conservation Office
		Department in Charge
		Global Environment Department
		JICA Center
		JICA Hokkaido (Obihiro)
		Cooperation Period
		2015～2017
		Remarks and Website
		(*) This training aims to learn/obtain the GIS/remote sensing/database/related surveys and the methods & ideas to promote people's participation, and contribute to practice them in each participant's country.

Promotion of SATOYAMA Initiative: Biodiversity conservation and rural development 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		1684745
		Continuing
Target Countries : XXXXXXXXXX		15 participants
Course No. : J1604344		
Sector : Nature Conservation/Conservation of Biodiversity		
Sub-Sector :		
Language : English		
Outline		
Participants will learn the cases of natural resource management of Satoyama in Japan and other parts of the world to make the plan for the rural development in their own countries from the viewpoint of the reconciliation between nature conservation and livelihood promotion.		
Objective/Outcome		Target Organization / Group
【Objective】 Learning from case examples of biodiversity conservation and sustainable use of natural resources with broad participation of stakeholders in Satoyama in Japan, participants will make use of the course for rural development in their own countries from the viewpoint of the reconciliation between nature conservation and livelihood promotion.		【Target Organization】 National/local governmental agencies and other organizations related to nature conservation and community promotion
【Outcome】 The participant can understand or/and master following 5 modules; 1. Basic understanding of SATOYAMA landscape, SATOYAMA Initiative and related policy 2. Concept and information sharing related conservation and use of biodiversity in Satoyama landscape 3. Community promotion through the sustainable use of natural resources 4. The method of use of natural resources in business 5. Conservation and sustainable use of natural resources deep-rooted indigenous traditional culture		【Target Group】 <Expected Job title> Administrative officer of National/local government or related organization staff concerned to nature conservation and community promotion <Expected Job experience> More than 5years' experience in this field
Contents		Course Period
【Preliminary Phase】 Preparing the Country Report about condition of rural area and community promotion in home country.		2016/10/02 ~ 2016/11/05
【Core Phase】 Lectures, Case study, Observation are provided for the following contents. 1. Sharing and analyzing the current condition of rural area and rural promotion in home country. 2. Lecture about Concept and history of SATOYAMA, National Biodiversity strategy and Ishikawa Biodiversity strategy 3. Lecture and Observation about current condition of rural area in Japan 4. Lecture and Case study about collaboration with stakeholders of rural promotion and preservation. 5. Observation and Case study about action and issue of rural promotion in Ishikawa. 6. Producing and presentation of action plan.		Implementing Partner Under Planning
		Department in Charge
		Global Environment Department
		JICA Center
		JICA Hokuriku
		Cooperation Period
		2014~2016
【Finalization phase in home country】 1. Reporting and sharing about training result to the organization in home country 2. Implementation of Action plan and make progress report.		Remarks and Website http://www.jwrc.or.jp/profile/pdf/jwrcprofile_en.pdf

Sustainable use of wetland resources for local benefit 地域振興に寄与する持続可能な湿地資源の利用法		1684746	
		Continuing	
Target Countries :		8 participants	
Course No. :J1604306			
Sector :Nature Conservation/Conservation of Biodiversity			
Sub-Sector :Nature Conservation/Sustainable Use of Natural Resources			
Language :English			
Outline			
Concept/Technology of conservation activities/raising awareness/promoting environmental education with local people and of introducing economic activities like ecotours, necessary for sustainable regional development utilizing natural resources, are transferred to participants, through case studies in Japan, referring to conservation of wetland, a core element of biodiversity being deteriorated worldwide.			
Objective/Outcome		Target Organization / Group	
【Objective】 The program aims to enable working-level officials engaged in wetland and biodiversity conservation administration on a central or regional level to execute action plans concerning wise use with the participation of local residents in consideration of the conservation of wetland environments and biodiversity. 【Outcome】 1. Expected Module Output 1: To be able to explain knowledge and information as well as policies for biodiversity conservation of wetland. 2. Expected Module Output 2: To be able to analyze the situation in their own organizations in terms of policies and challenges concerning biodiversity conservation of wetland. 3. Expected Module Output 3: To be able to draw up practical implementations plans by learning techniques to monitor and properly managing wetland environments and biodiversity. 4. Expected Module Output 4: To be able to draw up implementation plans in their own organizations by understanding the need for civic participation, communication, education and participation (CEPA). 5. Expected Module Output 5: To be able to draw up action plans concerning the promotion of conservation and wise use of wetlands and biodiversity in their own countries.		【Target Organization】 Government organizations engaged in natural resource conservation 【Target Group】 1. Working-level official engaged in the natural resource conservation. 2. in good health, both physically and mentally, to undergo the field training. 3. have more than 2 years ' experience	
Contents		Course Period	
For applying International Environmental Laws (Ramsar Convention, Convention on Biological Diversity) by/for local people and to transfer necessary measures and practices for biodiversity conservation & wise/sustainable use of natural resources by/for local people, following lectures/visits/practices are offered. 1. Conservation/Utilization practices according to features of each Ramsar site 2. 2. 2. Awareness programme for local people 3. Regional industry creation and ecotourism for biodiversity conservation 4. Secondary nature as in Conservation Activities of Satoyama, efforts for biodiversity conservation 5. Monitoring natural environment 6. Sustainable management of rice paddies noted as artificial wetland in Asian region and biodiversity conservation 7. Management of invasive alien species 8. Administration of biodiversity conservation in Japan 9. Collaboration among national, local governments and local people, establishment of organizational network 10. Effective use of the Ramsar Information Sheet 11. Economic values of wetland resources and their conservation 12. Introduction of JICA's cooperation		2016/05/17 ~ 2016/07/06	
		Implementing Partner	Kushiro International Wetland Centre
		Department in Charge	Global Environment Department
		JICA Center	JICA Hokkaido (Obihiro)
		Cooperation Period	2015～2017
		Remarks and Website	

Capacity building for strengthening Ecosystem-based Disaster Risk Reduction (Eco-DRR) functions including risk reduction functions of forests against natural disasters 自然災害に対する森林の防災機能など生態系を活用した防災・減災 (ECO-DRR) 機能強化のための能力向上		1684828 New
Target Countries : 		12 participants
Course No. : J1604004		
Sector : Nature Conservation/Conservation of Biodiversity		
Sub-Sector : Water Resources/Disaster Management/Wind and Flood Disaster(Flood Control)		
Language : English		
Outline		
Natural disasters have been increasing in frequency and severity in recent years. All actors involved in disaster risk reduction (DRR) need to understand the importance of proactive/comprehensive risk reduction/preparedness initiatives besides post disaster efforts. Eco-DRR is also one of the measures, which requires a comprehensive, integrated and continuous evolution from disaster management perspectives.		
Objective/Outcome		Target Organization / Group
【Objective】 Understand Eco-DRR including DRR functions of forests and acquire necessary capabilities for establishing and strengthening DRR systems considering such functions. 【Outcome】 1. Understand Eco-DRR functions and their roles in rehabilitation, including DRR functions of forests against natural hazards (soil conservation, forest fire prevention, coastal protection); 2. Understand the importance of collaboration with local communities in disaster risk assessment and land-use planning and policy making based on scientific knowledge for Eco-DRR; 3. Understand mainstreaming DRR and the enhancement of Eco-DRR in it; 4. Comprehend the latest trends of ECO-DRR in the world, including DRR functions of forests in the world; 5. Understand substantial cases of initiatives in regions in improvement of DRR functions of forests and study their use as model cases; and		【Target Organization】 Departments engaged in forest DRR in central/ local governments or public organizations or equivalent ones to them 【Target Group】 -Persons working in departments engaged in forest DRR in central/ local governments or public organizations or equivalent ones to them -Persons who have more than five years of work experience in related fields
Contents		Course Period
1. Functions of natural ecosystems, including DRR; 2. DRR functions of forests and their roles in rehabilitation through timber supply; 3. Importance of collaboration with local communities in disaster risk assessment, land-use planning and forest conservation; 4. Importance of policy making based on scientific knowledge; 5. Mainstreaming DRR and enhancement of Eco-DRR in it; 6. Trends of Eco-DRR in the world 7. Introduction of substantial cases of DRR functions through site visits (satoyama (socio-ecological production landscapes), coastal forests, sites of forest conservation works, etc.); and 8. Preparation and presentation of action plans.	Implementing Partner	Under Planning
	Department in Charge	Global Environment Department
	JICA Center	JICA Tsukuba(Training)
	Cooperation Period	2016~2018
	Remarks and Website	

Coastal and Marine Ecosystem Conservation through Collaborative Management of Marine Protected Areas 保護地域協働管理を通じた脆弱な沿岸・海洋生態系保全			1684829 New
Target Countries :			10 participants
Course No. :J1604446			
Sector :Nature Conservation/Conservation of Biodiversity			
Sub-Sector :Nature Conservation/Sustainable Use of Natural Resources			
Language :English			
Outline			
When establishing protected areas, coordination on resource usage is essential with the people living within/around them. This training focus on coastal/marine ecosystems and aims to understand: the Satoyama/Satoumi concept for societies in harmony with nature; Japan's zoning-based management system; and the sustainable use of natural resources with the participation of local people and the private-sector.			
Objective/Outcome		Target Organization / Group	
【Objective】 To understand nature park management and the Satoyama/Satoumi concept from Japan. To deepen understanding of effective protected area management and the sustainable use of natural resources with the participation of local people and the private-sector. To develop an action plan related to effective protected area management within the trainees' countries.		【Target Organization】 Central and local government agencies involved in nature conservation services for coastal and marine ecosystems	
【Outcome】 1) Characteristics of protected area management in Japan (zoning-based/council-type management) as well as priority issues on protection, utilization and administrative management of natural environments within protected areas of the trainees' countries can be explained; 2) Protection and management of marine life in coastal and marine protected areas and measures against alien species are understood, and priority issues in trainees' countries and the measures against them can be explained; 3) Ideas for promoting the concept of Satoyama/Satoumi within trainees' countries can be explained as a means of buffer zone management; 4) Requirements for CEPA activities and sustainable tourism in coastal and marine protected areas are understood, and work plans for the trainees' countries can be prepared; and 5) Priority action plans can be prepared to promote the sustainable conservation, utilization and management of coastal/marine ecosystems and biodiversity within the trainees' countries.		【Target Group】 ・ Central/local government administrators having more than two years of field experience and involved in planning of coastal/marine protected areas ・ Persons having academic and English abilities equivalent to those of university graduates	
Contents		Course Period	2016/11/09 ~ 2016/12/03
1) Formulation/submission of Country report; 2) Lectures on zoning-based natural park management, watershed conservation, marine life protection/management, measures against illegal activities related to protected areas, measures against alien species, and policies/initiatives related to the conservation of Satoyama/Satoumi in Japan; 3) Lectures on conservation tools such as the Aichi Biodiversity Targets (including resource mobilization), Biosphere Reserves and World Heritage, the International Partnership for Satoyama Initiatives, etc.; 4) Lectures on economic values of ecosystem services including disaster prevention functions, financial mechanisms, linkages with related sectors and resource uses; 5) Lectures and discussions on actual situations of collaboration with local people/private companies; 6) Lectures and workshops on environmental education/CEPA activities; 7) A workshop to learn methods for resolving problems based on cases in Japan; 8) Preparation and presentation of action plans; and 9) Overseas training in Palau for about 10 days.		Implementing Partner	Under Planning
		Department in Charge	Global Environment Department
		JICA Center	JICA Okinawa
		Cooperation Period	2016～2018
		Remarks and Website	

Training and Dialogue Program: Ecosystem conservation through collaborative management of protected areas 保護地域協働管理を通じた生態系保全		1684830
		New
Target Countries : 		10 participants
Course No. : J1604153		
Sector : Nature Conservation/Conservation of Biodiversity		
Sub-Sector : Nature Conservation/Sustainable Use of Natural Resources		
Language : Spanish		
Outline		
When establishing protected areas, coordination on resource usage is essential with the people living within/around them. This training considers the Satoyama concept, developed in Japan in compliance with the Japanese zoning-based management, which aims to create societies in harmony with nature through the sustainable use of natural resources and the participation of local people and the private-sector.		
Objective/Outcome		Target Organization / Group
【Objective】 To understand the nature of park management and the Satoyama concept from Japan. To deepen the understanding of effective protected area management and the sustainable use of natural resources with the participation of local people and the private-sector. To develop an action plan related to effective protected area management within the trainees' countries.		【Target Organization】 Central and local government agencies involved in nature conservation services 【Target Group】 ・ Central/local government administrators having more than two years of field experience and involved in planning of protected areas and their surroundings ・ Persons having academic abilities equivalent to those of university graduates
【Outcome】 1) Characteristics of protected area management in Japan (zoning-based/council-type management) as well as priority issues on protection, utilization and administrative management of natural environments within protected areas of the trainees' countries can be explained; 2) Protection and management of wildlife/marine life in protected areas and measures against alien species are understood, and priority issues for strengthening measures against them in trainees' countries can be explained; 3) Specific ideas for promoting the concept of Satoyama within trainees' countries can be explained as a means of buffer zone management for protected areas; 4) Requirements for CEPA activities and sustainable tourism in protected areas are understood, and work plans for the trainees' countries can be prepared; 5) Priority action plans can be prepared to promote the sustainable conservation, utilization and management of natural environment and biodiversity within the trainees' countries		
Contents		Course Period 2016/11/11 ~ 2016/12/03
1) Formulation/submission of Country report; 2) Lectures on zoning-based natural park management, watershed conservation, protection/management of terrestrial and marine wildlife, measures against illegal activities related to protected areas, measures against alien species, and policies/initiatives related to the conservation of Satoyama/Satoumi in Japan; 3) Lectures on conservation tools such as the Aichi Biodiversity Targets (including resource mobilization), Biosphere Reserves and World Heritage, the International Partnership for Satoyama Initiatives, etc. 4) Lectures on economic values of ecosystem services including disaster prevention functions, financial mechanisms, linkages with related sectors and resource uses; 5) Lectures and discussions on actual situations of collaboration with local people/private companies; 6) Lectures and workshops on environmental education/CEPA activities; 7) A workshop to learn methods for resolving problems based on cases in Japan; 8) Preparation and presentation of action plans; 9) Overseas training in Costa Rica for about two weeks.		Implementing Partner Japan Wildlife Research Center
		Department in Charge Global Environment Department
		JICA Center JICA Hokkaido (Obihiro)
		Cooperation Period 2016~2018
		Remarks and Website

Capacity Building for National Forest Monitoring System to Promote REDD+ and Sustainable Forest Management 持続的森林管理及びREDD+に向けた国家森林モニタリングシステム整備のための人材育成		1684747
		Continuing
Target Countries : _____		13 participants
Course No. : J1604132		
Sector : Nature Conservation/Other Nature Conservation Issues		
Sub-Sector :		
Language : English		
Outline		
It is estimated that deforestation and forest degradation accounts for 20% of the world's greenhouse gas emission. Establishment of NFMS is essential to acquire accurate information of the forest at national level for Reducing Emissions from Deforestation and Forest Degradation in developing countries. This program aims at enhancing capacity building of human resources to formulate NFMS.		
Objective/Outcome		Target Organization / Group
【Objective】 NFMS will be developed based on the technical knowledge and institutional arrangement which are learned through the training course. The NFMS shall be appropriate one considering the condition and situation of each country. Participants will be able to:		【Target Organization】 Central administrative bodies/offices that are in charge of climate change in forestry sector in developing countries.
【Outcome】 1. to understand international framework against climate change in forestry sector (REDD and A/R CDM). 2. to find out required NFMS in their own countries through the analysis of Japan and other countries' NFMS. 3. to estimate forest carbon stock change and GHG emissions/removals through the field work to survey forest resources. 4. to understand the overview of GPS, GIS and remote sensing technology and its application to estimate forest carbon stock change and GHG removals. 5. to make draft plan of NFMS and its action plan for the home countries.		【Target Group】 1. Government official or researcher of related institutions who is engaged in the climate change measures in forestry sector. 2. Applicants should have working experience in national forestry policy or climate change measures more than 3 years.
Contents		Course Period
【Preliminary Phase】 1. Participants are required to submit Country report with application form.		2016/06/12 ~ 2016/08/06
【Core Phase】 1. Participants are required to take part in (1) lectures and analysis workshop to solve problems (2) presentation of country report, lectures and field visits (3) lectures and practice for field survey, biomass survey... (4) lectures and practice for GIS, GPS, remote sensing technology... (5) lectures, make a draft plan of NFMS and its action plan for the home countries and present the action plan.		Implementing Partner Japan International Forestry Promotion and Cooperation Center
		Department in Charge Global Environment Department
		JICA Center JICA Tokyo (Economy&Env.)
【Finalization Phase】 (1) give lectures or presentation of the outcomes and lessons learnt through the course to diffuse his/her knowledge and experiences. Present action plan in his/her organization to improve, or formulate, NFMS. (2) submit questionnaire from JICA to report the progress.		Cooperation Period 2014~2016
		Remarks and Website

Adaptive Watershed Management to Climate Changes:Flood Control and Ecosystem Conservation 気候変動に対する順応的流域管理 (適応策) 「洪水対策と生態系保全」		1684748
		Continuing
Target Countries :		8 participants
Course No. :J1604371		
Sector :Nature Conservation/Other Nature Conservation Issues		
Sub-Sector :Water Resources/Disaster Management/Wind and Flood Disaster(Flood Control)		
Language :English		
Outline		
Conventional flood countermeasures are hardly responded to unexpected level of rain and drought caused by climate change. Disaster-prevention measures including sustainable forest management for strengthening resilience are essential to keep the balance between ecosystem conservation and flood control. Therefore adaptive watershed management is necessary for both disaster reduction & ecosystem conservation.		
Objective/Outcome		Target Organization / Group
【Objective】 To be able to formulate and implement adaptive watershed management including sustainable forest management for strengthening resilience for flood control in developing countries. 【Outcome】 1. Participants will be able to deepen the understanding of climate change on global scale, its effects, and necessity of adaptive watershed management methods including sustainable forest management for strengthening resilience 2. Participants will be able to analyze conditions/patterns by climate change in their concerned respective areas with risk of flood and impact of ecosystem. 3. Participants will understand Disaster-prevention measures including sustainable forest management for strengthening resilience are essential to keep the balance between ecosystem conservation and flood control. 4. Participants will be able to formulate adaptive watershed management in their respective areas for mitigating to risk of flood and impact of ecosystem. 5. Participants will be able to submit Final draft of Action Plan based on the specific plan of adaptive watershed management in their respective areas.		【Target Organization】 Central or local government related to flood control (including the application of multifunctionality of forest) or ecosystem conservation. 【Target Group】 <the first and the second year> Mid-level working officers <the third year> Senior administrative officers directly involved in planning of watershed management.
Contents		Course Period
【Preliminary Phase in home country】 Submission of Inception Report: Situation on risk of flood and degradation of ecosystem (include forest) in their areas 【Core Phase in Japan】 1. Global environmental change, Post-Kyoto Protocol framework, International movement to prevent global warming, function of forest ecosystem as water resources, dams and watershed control, fundamentals of landscape ecology. 2. River management plan and monitoring, flood control by retention pool and by diversion channel,disaster prevention, the basin management utilizing the multifunctionality of forest, flood control and biodiversity conservation, public participation and consensus building, flood control management and biodiversity conservation by GIS. 3. Issue analysis, method of participatory survey, capacity development formulation of Action Plan.		2016/06/27 ~ 2016/08/27
		Implementing Partner
		Department in Charge
		JICA Center
		Cooperation Period
		Remarks and Website