

WASTE MANAGEMENT and 3R(Reduce, Reuse and Recycle) POLICIES 廃棄物3R・再資源化		PITD Solution 1080121 Sector : Environmental Management Sub-Sector : Urban Solid Wastes	
		20 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
The purpose of this program is to give the participants an overall knowledge of technologies for industrial waste management and recycling, present trends of legislation and policies in the field of industrial waste management & recycling, skills to develop and implement recycling plans for industrial waste, and an overall information on the facilities and equipment concerned.	Target Organization: Ministry of Environment, waste management section/ Ministry of Industry, waste management section Target Group: (1) Technical university graduates or holders of equivalent technical knowledge & professional experience (2) Technical officials in the central or local government with more than 5 years of practical experience in the field of industrial waste management and recycling (3) 30-45 years old		
CONTENTS	PROGRAM PERIOD	under planning	
(1) Present status of industrial waste management & recycling in Japan (2) Related legislation and strategies established in Japan (3) Implementation of countermeasures towards the creation of recycle-oriented society (standardization / green purchasing / product assessment (including LCA) / 3R-oriented design (Design for Environment)) (4) Present status of recycling by products in Japan (packaging & containers / home electrical appliances / foods / construction materials / end-of-life vehicles) (5) Development of environmental key technology (pre-treatment (collection, dismantling, crushing, sorting, dehydration & drying) / incineration, vitrification (melting) & solidification / pyrolysis / bio-treatment / energy-utilization)	IMPLEMENTING PARTNER	Clean Japan Center	
	JICA CENTER	JICA Tokyo(Economy&Env.)	
	COOPERATION PERIOD	2009~2011	
	REMARKS and WEBSITE	This training course is scheduled to be implemented twice within JFY2010	

Seminar on Comprehensive Solid Waste Management and the 3R 廃棄物総合管理及び3R		PITD Solution 1080974 Sector : Environmental Management Sub-Sector : Urban Solid Wastes	
		12 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
The expected outcome of this program is for the organization to which a participant belongs to sort out directions of policy development for the improvement of waste management in their own countries based on an action plan to be drawn up by the participant through this program. 1 To be able to explain the overview and guiding principles of Japan's policy systems and technologies for waste management and the establishment of sound material-cycle society. (semi-senior object) 2 To be able to explain the overview and features of Japan's systems and policies for waste management and the 3Rs 3 To be able to explain waste management technologies that could be applicable to their own countries 4 To draw up an action plan for the improvement of waste management and recycling administration, taking account of the analysis of issues the participant's organization are facing.	1) Be ranked as at least a director general or a director in charge of SWM planning in central governments, provincial governments or local bodies 2) Have more than 2 years' experience in the relevant field 3) Be university graduates or possess equivalent technical qualifications in this field 4) Language: have a competent command of spoken and written English which is equal to TOEFL CBT 250 or more 5) Health: must be in good health, both physically and mentally 6) Must not be serving any form of military service. 7) Age: be under fifty (50) years		
CONTENTS	PROGRAM PERIOD	Jun / 13 / 2010 ~ Jul / 3 / 2010	
L: History of Japan's waste management L: Institutions and mechanisms for waste management in Japan L: Public cleansing activities at local governments L: Public awareness and environmental education L: International promotion of the 3Rs L: Technology for waste treatment and disposal V: refuse transfer stations, intermediate treatment facilities, recycling facilities, final disposal facilities, research institutions L, V: Human waste treatment in Japan Practice: Analytical techniques of refuse and water quality Exercise: Presentation of country report Exercise: Group discussions Exercise: Drawing up action plans Exercise: Presentation of action plans	IMPLEMENTING PARTNER	Japan Environmental Sanitation Center	
	JICA CENTER	JICA Yokohama	
	COOPERATION PERIOD	2010~2012	
	REMARKS and WEBSITE		

Urban Solid Waste Management by Local government 地方自治体における都市廃棄物処理		PITD Solution 1080802 Sector : Environmental Management Sub-Sector : Urban Solid Wastes	
		10 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>[Objectives] This course aims for more effective and efficient waste management plan to be proposed and discussed in participatory countries and organizations based on the action plans designed by participants.</p> <p>[Outputs] (1) To realize issues on solid waste managements and get hints to address them through exchange the information and ideas with lecturers and/or other participants (2) To acquire knowledge and skills of urban waste countermeasures through the introduction of detailed actual conditions of waste treatment in major Japanese cities, mainly focused on Osaka city (3) To explain the role of citizens and the importance of the collaboration between local government and citizens (4) To design action plans which propose some solutions towards the issues and problems on solid waste management of each participatory country.</p>	<p>[Target Organizations] Local governments (or national governments' sections which support local governments' organizations) are in charge of urban solid management waste</p> <p>[Target Group] 1. Engineer or administrative officials of waste management experience or an equivalent level of knowledge 2. Experience in the relevant field: have more than 3 years' experience 3. Person will continue working in the same field after the training course</p>		
CONTENTS	PROGRAM PERIOD	Aug / 9/ 2010 ~ Oct / 20/ 2010	
<p>1. Preliminary: Country Report preparation as a matrix form, which marshal their issues and the training modules in Japan. 2. In Japan: (1) Current situation and problems with waste management in Developing Countries (Workshop, Presentation and Discussion) (2) Current Situation and Problems of Waste Management in Japan (Lecture, Observation and Exercise) (3) Collection and transport work (Lecture, Observation and Exercise) (4) Intermediate treatment work (Lecture, Observation and Exercise) (5) Final disposal (Lecture, Observation and Exercise) (6) Waste that requires special treatment (Lecture, Observation and Exercise) (7) Collaboration with Citizens (Lecture, Observation and Exercise) (8) Country Report/Action Plan Making (Exercise, Presentation and Discussion) 3. After returning: Participants explain the action plans to their organizations. Participants report their activities on fields to JICA & implementing partners.</p>	IMPLEMENTING PARTNER	Global Environment Centre Foundation (GEC) , Osaka City Environment Bureau	
	JICA CENTER	JICA Osaka	
	COOPERATION PERIOD	2008~2010	
	REMARKS and WEBSITE	IMPLEMENTING PARTNER; Global Environment Centre Foundation (GEC) http://gec.jp/	

Solid Waste Management by Local Government 地方自治体における廃棄物処理		PITD Solution 1080091 Sector : Environmental Management Sub-Sector : Urban Solid Wastes	
		14 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>[Objective] A draft plan for improvement of solid waste management will be formulated by a local government of an area designated as a model.</p> <p>[Outputs] (1) To grasp the reality and issues on waste management and to extract practical hints for solution through exchanging views among participants (2) To be able to explain the current state of measures against waste taken by a local government for the effective use in each country. (Planning, effective collection and transportation method, sanitary treatment/disposal method, etc.) (3) To be able to explain the roles of and cooperation among citizens, businesses, and local governments for the appropriate waste management (4) Action plan is formulated to solve issues related to waste management based on the reality of each country (5) Action Plan will be studied by each participating organization</p>	<p>[Target Organizations] Local governments & related organizations engaged in solid waste management of a model area designated by each country.</p> <p>[Target Group] (1) Current Duties: be an administrative officer/ technical officer engaged in solid waste management. Officers of the national government, in charge of supporting local governments, are also qualified. (2) Experience: have more than 3 years' experience in the field of solid waste treatment or have equivalent level of knowledge. (3) Others: participants should stay engaged in solid waste management after the program.</p>		
CONTENTS	PROGRAM PERIOD	Aug / 22/ 2010 ~ Oct / 16/ 2010	
<p>[Preliminary Phase in a participant's home country] Formulation and submission of Inception Report [Core Phase] <u>Related to output (1):</u> Sharing the information & ideas on waste (type and composition) through report presentation & discussion <u>Related to output (2):</u> Waste treatment planning, Reducing wastes, Waste collection, Intermediate treatment, Waste incineration, Final disposal, Recycling. Discussion and suggestions to apply the above mentioned items to participants' countries. <u>Related to output (3):</u> Citizens's role and and the importance of the collaboration between local government & citizens in the field of solid waste management. Environmental education and public awareness to reduce waste. <u>Related to output (4):</u> Workshop and Discussion to design action plan and its improvement through individual guidance [Finalization Phase] Submission of final report to JICA</p>	IMPLEMENTING PARTNER	Hyogo Environmental Advancement Association	
	JICA CENTER	JICA Hyogo	
	COOPERATION PERIOD	2008~2010	
	REMARKS and WEBSITE	Guidance considering the participating country's situation will be provided for each participant. This course will be implemented twice for JFY 2010. The second one is from Jan. 10 to Mar. 5, 2011.	

Target Countries: South American Countries

13 participants / Spanish

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>[Objective] The Plan to improve solid waste management administration is officially formulated by the participants organization, based on the Action Plan proposed through the program in Japan.</p> <p>[Outputs] 1. Understand administration system of solid waste management aiming at establishment of a sound material-cycle society 2. Understand waste treatment technology (collection and transportation, intermediate treatment, final disposal, reuse and recycling etc.) 3. Propose Action Plan in order to improve and strengthening of solid waste management administration, based on analysis of each problems and obtained knowledge and skills in Japan</p>	<p>[Target Organization] Central or local government in charge of solid waste management including 3R (Reduce, Reuse and Recycle)</p> <p>[Target Group] 1. Officers in charge of solid waste management including 3R (Reduce, Reuse and Recycle) in central / local government 2. Have at least five (5) years of practical work experience</p>	
CONTENTS	PROGRAM PERIOD	Aug / 17 / 2010 ~ Oct / 1 / 2010
<p>[Preliminary Phase] Preparation and submission of Country Report [Phase in Japan] 1. Administration system of solid waste management: Waste management system in Japan, Approach to 3R for establishing a sound material-cycle society, Waste management and 3R policies at local government, Environmental(waste) education, Partnership with community 2. Waste treatment technology: Collection and transportation, intermediate treatment, final disposal, reuse and recycling, Compost etc. 3. Propose "Action Plan": Presentation of Country Report, Discussion, Presentation of Action Plan [Finalization Phase] Submission of the "Final Report" describing the progress of implementing the Action Plan within 3 months</p>	IMPLEMENTING PARTNER	①Japan Environmental Sanitation Center, ②Environmental Affairs Bureau, City of Sapporo
	JICA CENTER	JICA Sapporo
	COOPERATION PERIOD	2010~2012
	REMARKS and WEBSITE	

Target Countries: Central and South American Region

29 participants / Spanish

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>[Objective] Comprehensive master plan or related action plan on SWM will be formulated, and accordingly, the SWM system shall be improved. Thus, current problems/ challenges in the said field will be solved and recyclable society will be further promoted in Central and South America.</p> <p>[Expected Results] 1) Understanding the outline and characteristics of administrative waste management in Japan and extracting hints for improvement comparing with the status of respective country. 2) Understanding technologies for waste treatment and recycling. 3) Mastering know-how on encouragement for environmental awareness practicing by themselves focusing on waste management. 4) Presenting each of their plan in national/local government to be improved on waste management system for establishing a sound Material-Cycle Society and their role and duty accordingly.</p>	<p>[Target Organization] Central and local government who are facing the solid waste management problems in Central and South American countries. Local government officials are encouraged to participate in.</p> <p>[Target Group] • administrative officer in Environmental management section, who understands technical matter (technical manager or researcher is not appropriate for this course) • 5 years or more experience in waste management • preferred to be a graduate of university</p>	
CONTENTS	PROGRAM PERIOD	May / 17 / 2010 ~ Jul / 3 / 2010
<p>[Preliminary Phase in home country] Formulation of Inception Report [Core Phase in Japan] 1) Understanding Japanese policy, treatment system and recycling laws on waste management. Presenting current situation and problems of each country, local area and workplace through Job report in order to share with participants and clarify each problem. 2) Verifying 3R's methods, management system & technology for plastics, domestic appliances & automobile based on Japanese recycling laws. 3) Understanding each role and duty for encouraging environmental awareness in local government, NPO, School, household, enterprises and community. Considering practical 3R's activities in small scale unit involving the local people for establishing a sound Material-Cycle Society. 4) Deliberating and making framework of masterplan or action plan as a result of the course to solve their problems and presenting the plan. [Finalization Phase in home country] Implementation of Action Plan</p>	IMPLEMENTING PARTNER	International Center for Environmental Technology Transfer (ICETT)
	JICA CENTER	JICA Chubu
	COOPERATION PERIOD	2010~2012
	REMARKS and WEBSITE	

Capacity Development for Local Government in Comprehensive Solid Waste Management in the Republic of Peru ペルー国向け地方自治体のための固形廃棄物総合管理		PRTD Solution 1084017 Sector : Environmental Management Sub-Sector : Urban Solid Wastes	
Target Countries: PERU		15 participants / Spanish	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>[Objective] A concrete Master Plan or Action Plan will be formulated or revised in each local government which the participants belong to.</p> <p>[Expected Results] 1) To extract clues for improvement through understanding outline and features of the Japanese solid waste management and comparing to own country. 2) To understand techniques related to treatment of the solid waste and recycling. 3) To acquire know-how for promoting environmental consciousness through experiences 4) To present the plan for improving the system of the solid waste management in own organization and actual activities and responsibility of participants.</p>	<p>[Target Organization] Local Gov'ts which are the target of Yen Loan project on waste management.</p> <p>[Target Group] • administrative officer in Environmental management section, who understands technical matter (technical manager or researcher is not appropriate for this course) • 5 years or more experience in waste management • preferred to be a graduate of university</p>		
CONTENTS	PROGRAM PERIOD	Jan / 31 / 2011 ~ Mar / 13 / 2011	
<p>[Preliminary Phase] Formulation of Inception Report</p> <p>[Training Program in Japan] 1) Find out the current problems and the improving plan among participants and overview of Solid Waste Management in Japan 2) Solid Waste Management Technologies 3) Environmental Education and awareness raising 4) Action Plan Development</p> <p>[Finalization Phase] Implementation of Action Plan</p>	IMPLEMENTING PARTNER	International Center for Environmental Technology Transfer	
	JICA CENTER	JICA Chubu	
	COOPERATION PERIOD	2010~2012	
	REMARKS and WEBSITE		

Dissemination of Education for Sustainable Development through environmental education in Pacific Region 大洋州地域 環境教育を通じたESD(持続可能な開発のための教育)の普及		PRTD Solution 1084074 Sector : Environmental Management Sub-Sector : Urban Solid Wastes	
Target Countries: Nauru, Solomon Is., Marshall, Samoa, Tonga, Palau		6 participants / English	
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 26 and 40 years</p>		
CONTENTS	PROGRAM PERIOD	Oct / 3 / 2010 ~ Oct / 23 / 2010	
<p>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>2. To take lectures about basic notion of ESD To visit the sites of education and activity of ESD in Nishinomiya City</p> <p>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>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>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 and WEBSITE		

Solid Waste Management with Community Participation 市民参加型廃棄物管理研修		PRTD Solution 1084224 Sector : Environmental Management Sub-Sector : Urban Solid Wastes	
Target Countries : ASEAN countries		10 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p><Objective> Plans towards solid waste management with community participation will be approved in organizations.</p> <p><Outputs> (1) Being able to explain basic legal frameworks and systems in central / local governments. (2) Being able to explain environmental education and related activities with community participation (3) Being able to apply and carry out adequate final disposal method (4) Being able to perform composting of organic waste (5) Action plan is formulated, and its implementation is reported through final report.</p>	This program is offered to governmental organizations which are engaged in solid waste management or environmental education for citizens.		
CONTENTS	PROGRAM PERIOD	Sep / 5 / 2010 ~ Oct / 30 / 2010	
<ul style="list-style-type: none"> ○ Overview of waste management and its legal frameworks in Japan. ○ Trash separation, collection and treatment system in local governorates. ○ Technologies in recycling solid waste and industrial waste ○ Technologies in treating medical waste and hazardous waste ○ Environmental education and enlightenment in local government ○ Environmental activities by related facilities and organizations ○ Discussion on environmental activities with citizens ○ Systems and rules in final disposal dump in Japan ○ Semiaerobic landfill ○ Landfill in developing countries ○ Theory of organic waste composting ○ Case study of organic waste composting ○ Basic procedure of organic waste composting ○ Formulation and presentation of action plan ○ Formulation fo final report 	IMPLEMENTING PARTNER	Kitakyushu International Techno-Cooperative Association (KITA)	
	JICA CENTER	JICA Kyushu	
	COOPERATION PERIOD	2010~2012	
	REMARKS and WEBSITE		

Establishment of Sound Material Cycle Society for ASEAN Countries アセアン地域 循環型社会の構築		PRTD Solution 1084006 Sector : Environmental Management Sub-Sector : Urban Solid Wastes	
Target Countries : ASEAN Countries		6 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 Policy related to 3R and environmental education at national and local level is formulated for promoting establishment of sound material cycle society.</p> <p>【Expected Results】 (1) Participants will be able to explain the overview of the system for establishment of sound material cycle society in central and local government of Japan. (2) Participants will be able to explain the measures to understand concrete efforts implemented by local government and private company. (3) Participants will be able to explain the environmental education activity and management of final disposal site. (4) Participants will be able to formulate action plan for introduction of practical 3R and environmental education activities.</p>	Central/local government and NGO relating to solid waste management, 3R and environmental education		
CONTENTS	PROGRAM PERIOD	Jan / 10 / 2011 ~ Feb / 19 / 2011	
<p>Participants will learn followings through lectures, site visits and practices;</p> <p>(1) Introduction of legal system for sound material cycle, Introduction of 3R system and environmental management in Japan, Administration of industrial waste management, International waste material flow in Asian countries (2) Overview of eco town project, Separate collection in offices and household, Data collection and analysis for general waste, Hazardous waste treatment in hospital (3) Environmental education for citizens, River clean-up campaign by citizen, Composting activity for general waste (4) Job report presentation, Creation of Issue analysis sheet, Action plan presentation (5) Presentation of proposal (Action plan) in participants' organization, Presentation for the final report</p>	IMPLEMENTING PARTNER	Kitakyushu International Techno-cooperative Association (KITA)	
	JICA CENTER	JICA Kyushu	
	COOPERATION PERIOD	2009~2011	
	REMARKS and WEBSITE	KITA website: http://www.kita.or.jp/english/e_index.html	

Target Countries : Caribbean Countries

12 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Course Objective】 The issues on sustainable solid waste management in small islands which participating organization are facing will be directed, and the practical measures to the issues will be formulated.</p> <p>【Expected Module Output】 (1) Issues on sustainable solid waste management in participating country will be solved. (2) Issues on sustainable solid waste management will be solved, regarding Okinawa's case. (3) Issues on establishing participatory solid waste management will be solved. (4) To be able to formulate an institutional action plan which aims for solving a issue in sustainable waste management. (5) The action plan will be shared and submitted in participating organization.</p>	<p>【Target Organization】 Ministries, Agencies and NGOs concerned with solid waste management</p> <p>【Target Group】 1) Current Duties: Be involved (currently or possibly in the near future) in solid waste management 2) Experience in the relevant field: have more than five (5) years' practical experience in the above field</p>	
CONTENTS	PROGRAM PERIOD	Jun / 1 / 2010 ~ Jul / 10 / 2010
<p><Activity in Preliminary Phase in home country> Formulating a Job Report describing the present situation of solid waste management in the participants' countries, and participants' detailed work and roles of their organization.</p> <p><Activity in Core Phase in Japan> This program consists of lecture, field work, observation tour and discussion. (1) Formulation and presentation of Job Report (2) Solid Waste Management Legislation in Japan, Outline of Solid Waste Administration in Okinawa, Waste management in Japan, Waste management in developing nations, Current situation and issues of final disposal site, Fukuoka Landfill Method, Role of municipality, Naha Clean Center and Recycle-plaza (3) Necessity for citizens and companies to cooperate, Recycling, Environmental education (4) Discussion on the plan which aim sustainable solid waste management, Discussion on the direction for solution creation, Formulation and presentation of an action plan</p> <p><Activity in Finalization Phase in home country> (5) Share and modify the action plan in respective organizations</p>	IMPLEMENTING PARTNER	Okinawa Citizens' Recycling Movement
	JICA CENTER	JICA Okinawa
	COOPERATION PERIOD	2009~2011
	REMARKS and WEBSITE	This course will be implement twice for JFY2010. The second course is scheduled from 26th Oct. to 4th Dec. in the same content.

10 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Issues for implementation/improvement of the Hazardous Waste Management and the waste recycling are identified, and the policy direction becomes clear. To be able to explain the issues of hazardous waste, including their background and existing counter measures. Respective duty and issues within his/her organization will be confirmed/identified. To understand the waste management administration system for recycle-based society, and be able to compare the case of Japan with respective country's situations. To understand the technology of hazardous waste disposal(Waste collection, Transportation, Intermediate Processing, Final Disposal, Reuse, Recycling) and be able to compare the case of Japan with their respective country's situations. Based on the problem analysis of each organization, which participants come from, the action plans in respective country will be prepared. Discussions on the future plans for improvement of Hazardous Waste Management administration are undertaken and clear future directions are presented.</p>	<p>1) Current Duties: be mid-career officials presently in charge of hazardous waste management in LGU and central government agencies 2) Educational Background: be university graduates or possess equivalent technical qualifications in this field 3) Language: have a competent command of spoken and written English which is equal to TOEFL CBT 250 or more 4) Health: must be in good health, both physically and mentally, to undergo the course 5) Must not be serving any form of military service. 6) Age: be under 45 years</p>	
CONTENTS	PROGRAM PERIOD	Jul / 13 / 2010 ~ Aug / 14 / 2010
<p>Make the Job Reports, presentations and discussions. Discuss for problem resolution of trainee by learning the policy for formulation the recycle-based society by the national and local government, the system for waste management administration and role of stakeholder. Discuss problem resolutions of trainees by learning the efforts about the hazardous waste disposal technology used by local government and private companies through lectures, field visits and practical work. Preparation and presentation of country reports, interim discussions and provision of advise for action plans. To make and submit the Final Reports.</p>	IMPLEMENTING PARTNER	Japan Environmental Sanitation Center
	JICA CENTER	JICA Yokohama
	COOPERATION PERIOD	2010~2012
	REMARKS and WEBSITE	

Cleaner Production through Productive Maintenance 生産保全によるクリーナープロダクション		PITD Solution 1080885 Sector : Environmental Management Sub-Sector : Cleaner Production	
		17 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 Integrated plan to introduce cleaner production based on productive maintenance will be formulated, and proposed to target organizations.</p> <p>【Expected Results】 (1)Participants will be able to explain the basic concept of CP technology for productivity improvement and energy conservation in Japan. (2)Participants will be able to explain the management measures for effective maintenance site and prevention of occupational and maintenance accident. (3)Participants will be able to explain maintenance technology and training methodology for energy conservation and productivity improvement in Japan. (4)Participants will be able to formulate action plan for introduction of CP technology.</p>	<p><target organization> This program is offered to engineers engaged in facility maintenance management in energy-related facilities or institutions related to promotion of CP.</p>		
	PROGRAM PERIOD	Aug / 1 / 2010 ~ Nov / 20 / 2010	
<p>CONTENTS</p> <p>Participants will learn followings through lectures, site visits and practices; (1)• Global environmental issue and basic knowledge of cleaner production • History and current situation of environmental management in Kitakyushu city • Necessity of maintenance management (2)• Management measures in productivity and maintenance site • Methodology of how-to advance and improve maintenance management in each element of job • Methodology for prevention of occupational and maintenance accident and risk management (3)• History and background of maintenance management for productivity improvement and energy conservation • Technology and Training methodology for maintenance management • Introduction of technology, methodology and supporting tool (4)• Presentations and formulation of progress report</p>	IMPLEMENTING PARTNER	Kitakyushu International Techno-cooperative Association	
	JICA CENTER	JICA Kyushu	
	COOPERATION PERIOD	2009~2011	
	REMARKS and WEBSITE	The program will be implemented twice for Japan fiscal year 2010: first from Aug. 2010 to Nov. 2010, and second from Jan. 2011 to Apr. 2011.	

Cleaner Production in Process Industries for Latin American Countries (for Managers and Engineers of Process Industries) 中南米地域 プロセス工業におけるクリーナープロダクション		PRTD Solution 1084155 Sector : Environmental Management Sub-Sector : Cleaner Production	
		13 participants / Spanish	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objectives】 To be able to set the plan and goal in order to utilize Cleaner Production method in the production process of industrial material in order to solve the environmental problem, caused by industrialization in developing countries</p> <p>【Outputs】 (1)To be able to explain the concept and specific usage method of Cleaner Production techniques. (2)To be able to design or improve equipment to allow the reduction of environmentally-harmful waste products and keep resource and energy usage to a minimum. (3)To be able to keep the release of environmental pollutants and raw material and energy loss associated with equipment trouble to a minimum through improving reliability of equipment, and maintaining efficiency. (4)To be able to create an action plan for the introduction of Cleaner Production techniques.</p>	<p>【Target Organizations】 Organizations belonging to the field of process industries such as chemical, petroleum refinery, iron and steel, food and ceramic plant</p> <p>【Target Group】 Managers or engineers in the field of process industries</p>		
	PROGRAM PERIOD	Aug / 9 / 2010 ~ Nov / 26 / 2010	
<p>CONTENTS</p> <p>(1) Recent situation of global environment, Cleaner Production, TPM, 5S, Kaizen Activity, New QC Seven Tools, PCM, Plant Visit (2) Selection of Equipment, Selection of Motors, Selection of Materials, Corrosion and Protection, Sequence Control, Process Control, Plant Visit (3) Maintenance Management, Maintenance in Actual Plant, Visual Maintenance Management, Diagnosis Technique Plant Visit (4) Orientation of training course, instruction of making action plan, instruction of presentation, presentation of action plan (5) Report to JICA the progress of knowledge/skills sharing among the respective organization.</p>	IMPLEMENTING PARTNER	Kitakyushu International Techno-cooperative Association	
	JICA CENTER	JICA Kyushu	
	COOPERATION PERIOD	2008~2010	
	REMARKS and WEBSITE	This seminar will be implemented twice for JFY 2010. The second one is scheduled from early Feb 2011 to late May 2011 in the same content. (The term of this training course is not yet determined.)	

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>[Objectives] Participants will understand knowledge and techniques regarding cleaner production aiming to develop an action plan to promote cleaner production activities in their countries.</p> <p>[Outputs] (1) To understand the definition, concept, necessity, role of governmental and private sector regarding cleaner production. (2) To understand the knowledge and techniques regarding technology to minimize environmental impact. (3) To understand the knowledge and techniques regarding energy conservation technology. (4) To understand the knowledge and techniques regarding resource saving technology. (5) To understand the knowledge and techniques regarding recycling technology.</p>	<p>[Target Organizations] Enterprise including former national enterprise in energy consumption industry, governmental organization in charge of cleaner production, environment</p> <p>[Target Group] (1) Individuals from above-mentioned organization (2) Individuals with more than 5 years occupational experience in this field</p>	
CONTENTS	PROGRAM PERIOD	Oct / 11 / 2010 ~ Nov / 20 / 2010
<p>(1) Definition, concept, necessity, role of governmental and private sector regarding cleaner production, Green productivity, Public awareness activity, Environmental law, Recycling society and global issue, Environmental administration and monitoring system, Inspection and guidance system for private sector (2) Zero emission, Wastewater treatment (Plating waste), Exhaust emission control system, Reduce of solid waste, Environment impact assesment (3) Energy conservation and global issue, Energy conservation law and its enforcement in Japan, Energy management in a plant, Case study - Energy conservation activities in a plant, Energy consevation technology on heating furnace, Machine condition diagnosis techniques (4) Production control, Program Evaluation and Review Technique (PERT), Quality Control using QC 7 tolls, Total Productive Management (TPM), Productivity and equipment maintenance, 5S activity (5) 3R(Reuse, Reduce, Recycle), Economy aspects of recycling, Support to private company for 3R, Reclaimer of scrap metal, Separation and collection of waste</p>	IMPLEMENTING PARTNER	Kitakyushu International Techno-Cooperative Association
	JICA CENTER	JICA Kyushu
	COOPERATION PERIOD	2008~2010
	REMARKS and WEBSITE	Participants will understand comprehensive knowledge and techniques regarding cleaner production including technology components of low enviromental loading, resource saving, and recycling.

Target Countries: Countries located in the tropical and subtropical area.

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>[Course Objective] The technologies for the effective utilization of biomass/bio-fuels that suit the condition of the home country in the tropics and the subtropical area are shared in the organization.</p> <p>[Expected Module Output] (1) To be able to explain the approaches to create the sustainable and re-cycling oriented society using biomass/ bio-fuels. (2) To be able to estimate the amount of the biomass resources or bio-fuels. (3) To master the Individual technologies for the planning of biomass/bio-fuels utilization. (4) To be able to make a plan for effective utilization system of biomass/bio-fuels based on the above-mentioned (1) to (3). (5) The action plan made in the training in our country is shared in the trainee's belonging organization, and it is corrected if necessary.</p>	<p>[Target Organization] Administrative body and NPO engaged in tropical biomass and bio-fuel utilization</p> <p>[Target Group] (1) Be administrative officials presently engaged in planning of biomass utilization / research officials involved in planning process of biomass utilization / presently work as an adviser to planning and promoting biomass utilization (2) Age: be between 25 and 35 years of age.</p>	
CONTENTS	PROGRAM PERIOD	Sep / 28 / 2010 ~ Nov / 27 / 2010
<p><Activity in Preliminary Phase in home country> Formulating a Job Report describing the present situation of biomass resources and its utilization in the participants' countries, and participants' detailed work and roles of their organization. <Activity in Core Phase in Japan>This program consists of lecture, field work, observation tour and discussion. (1) Environmental problems such as global warming and energy problem, Basic frameworks of Biomass Nippon and Biomass Asia (2) Estimation of the total amount and usable biomass/bio-fuels resources (3) Production, collection and transportation of unused biomass and energy crops, Energy conversion technologies, Conversion of biomass as materials and its utilization, Measurement, monitoring and evaluation (4) PDCA of biomass/bio-fuels utilization system, Formulation and presentation of action plan. <Activity in Finalization Phase in home country> (5) Share and discuss, modify the action plan in respective organizations</p>	IMPLEMENTING PARTNER	The faculty of agriculture, University of the Ryukyus
	JICA CENTER	JICA Okinawa
	COOPERATION PERIOD	2010~2012
	REMARKS and WEBSITE	

Adaptation for Climate Change 気候変動への適応		PITD Solution 1080066 Sector : Environmental Management Sub-Sector : Global Warming	
		20 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objectives】 To consider and to elaborate Action Plan of adaptation to Climate Change based on impact assessment and vulnerability assessment in participants' organizations.</p> <p>【Expected Results】 (1) To understand the current situation on adaptation to Climate Change in respective countries. (2) To understand the overview and international framework on adaptation to Climate Change. (3) To understand the factors for adaptive capacity, impact assessment and vulnerability assessment on Climate Change, as well as understanding Japanese measures, technology, cases on adaptation to Climate Change, and the way of cooperation for developing countries. (4) To formulate measures to solve the problems on adaptation to Climate Change in respective countries.</p>	<p>【Target Organizations】 national (or local) governmental office which is involved in adaptation to Climate Change</p> <p>【Target Group】 Current Duties: be an officer in charge of planning and implementation of adaptation to Climate Change in national (or local) governmental office. (Preferably be an officer in national focal point of UNFCCC, who is in charge of coordination of adaptation issues in respective countries) Experience in the relevant field: have more than 3 years' experience.</p>		
CONTENTS	PROGRAM PERIOD	Sep / 26 / 2010 ~ Oct / 27 / 2010	
<p>【Preliminary Phase】 •To make Inception Report</p> <p>【Core Phase in Japan】 (1)~(3)To acquire the necessary skills and techniques of adaptation for Climate Change issues through lectures, discussions, practical exercises, site visits, etc. •International framework and negotiation on adaptation to Climate Change •Climate Change policy in Japan •Impact assessment and vulnerability assessment, measures, technology and cases on adaptation for Climate Change (4)To make and present Action Plan</p> <p>【Finalization Phase】 •To share and discuss the Action Plan(draft) in the participants' organizations •To make and submit Final Report (within 6 months since returning home country)</p>	IMPLEMENTING PARTNER	JICA Tsukuba (tentative)	
	JICA CENTER	JICA Tsukuba(Training&Partnership)	
	COOPERATION PERIOD	2008~2010	
	REMARKS and WEBSITE		

Development of Strategies on Climate Change 地球温暖化対策コース		PITD Solution 1080572 Sector : Environmental Management Sub-Sector : Global Warming	
		15 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 To propose and make policies (draft) on Climate Change adaptation and GHG emissions.</p> <p>【Expected Results】 (1)To understand the concept of integration and mainstreaming of Climate Change concerns into sustainable development policies (2)To understand how national communications are prepared as articulated in the UNFCCC Art.12 and other decisions (3)To understand methodologies to prepare a GHG inventory (4)To understand mitigation (including through market mechanisms) and adaptation of Climate Change (5)To develop Action Plan (draft)</p>	<p>【Target Organization】 a national (or local) governmental office which is involved in Climate Change issues and/or focal point of UNFCCC</p> <p>【Target Group】 Current Duties: officer of national (or local) governmental office Experience in the relevant field: those who have experience on Climate Change issues</p>		
CONTENTS	PROGRAM PERIOD	Jan / 10 / 2011 ~ Mar / 5 / 2011	
<p>【Preliminary Phase】To make Inception Report</p> <p>【Core Phase in Japan】 (1)~(4)To acquire the necessary skills and techniques on Climate Change issues through lectures, discussions, practical exercises, site visits, etc. •relevance between Climate Change and development activities and policy tools to adopt integrated approach •co-benefits approach which achieve GHG emission reductions as well as environmental improvement •the Climate Change regime(including the UNFCCC and the Kyoto Protocol) and guidelines for national communications •development of GHG inventory including the use of a computer software. (5)To make and present Action Plan</p> <p>【Finalization Phase】 •To share and discuss the Action Plan(draft) in the participants' organizations, and to propose and make policies (draft) on Climate Change adaptation and GHG emissions. •To make and submit Final Report (within 6 months since returning country)</p>	IMPLEMENTING PARTNER	Not yet determined	
	JICA CENTER	JICA Tsukuba(Training&Partnership)	
	COOPERATION PERIOD	2010~2012	
	REMARKS and WEBSITE		

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>[Objective] International regulations for high-GWP gases (HCFC etc.) and the technical direction for collection and destruction of fluorocarbons will be understood and capacity of implementing the fund project to reduce HCFC will be improved.</p> <p>[Expected Results] Participants are able</p> <p>(1) To examine the recent activities, issues on ozone layer protection and high-GWP gases such as HCFC in respective countries, and make an inception report and its presentation. / (2) To explain the relation between the Montreal Protocol and the Kyoto Protocol. / (3) To explain the recent Japan's activity, method, alternative technologies to convert HCFC in the area of cleaning, refrigerant, foam and fumigation, and also are able to explain the system and technologies on collection and destruction of fluorocarbons. / (4) To develop a draft project plan utilizing the multi-lateral fund of the Montreal Protocol. / (5) To introduce each activity after participation in the training course to the next trainees one year later.</p>	<p>[Target Organizations] Governmental organizations or related public organizations that are in charge of ozone layer protection and high-GWP gases reduction</p> <p>[Target Group] -Administrative officers who are in charge of ozone layer protection, high-GWP gases reduction, collection and destruction of fluorocarbons and management of the project on multi-lateral fund of the Montreal Protocol. -Individuals with sufficient command of spoken and written English in the aforementioned field.</p>	
<p>CONTENTS</p> <ul style="list-style-type: none"> •Presentation on actual situation on high-GWP gases, recent approach and issues against global warming, introduction of on-going and up-coming projects •Linkages between the Montreal Protocol and Kyoto Protocol •Trends in discussions at COP (Conference of Parties) •Recent Japan's activity, method, alternative technologies to convert HCFC •Introduction on collection and destruction of fluorocarbons in commercial refrigerators and air conditioners •Introduction of the social and economic system in which each stakeholders can fulfill their responsibilities •Development of a draft project plan related to alternative technologies to convert HCFC or collection and destruction of fluorocarbons based on the knowledge and experiences gained through the training course •Report of activity after returning to home country to monitor how the trainees have applied the knowledge obtained through the training course to domestic policies 	<p>PROGRAM PERIOD</p>	<p>Jan / 16 / 2011 ~ Jan / 29 / 2011</p>
	<p>IMPLEMENTING PARTNER</p>	<p>Japan Industrial Conference for Ozone Layer and Climate Protection (JICOP)</p>
	<p>JICA CENTER</p>	<p>JICA Tokyo (Industrial Dev.&Finance)</p>
	<p>COOPERATION PERIOD</p>	<p>2010~2012</p>
<p>REMARKS and WEBSITE</p>		

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>[Objective] Enhancement of capacity of national and local government staffs in designing policies in relation to the implementation of Kyoto Mechanisms</p> <p>[Expected Outputs]</p> <ol style="list-style-type: none"> 1. To deepen the understanding on the influence of greenhouse gas accumulation on climate change 2. To deepen the understanding on the Kyoto Protocol and its flexible mechanisms 3. To deepen the understanding on environmentally friendly technologies, including for the energy conservation and introduction of renewable energies 4. To deepen the understanding on roles to be played by developing countries in implementing the CDM 	<p>[Target Organizations] Designated National Authorities (DNA) or other corresponding organizations like National Focal Points (NFP) and CDM related offices.</p> <p>[Target Group] Administration officers who belong DNA or other corresponding organizations like NFP and CDM related office.</p>	
<p>CONTENTS</p> <p>[Preliminary Phase] Formulation of Inception Report [Core Phase] Lecture, Practice, Observation, and Discussion on the following subjects.</p> <ol style="list-style-type: none"> 1. Influence of the accumulation of GHGs on the climate change. 2. Kyoto Protocol and rules of Kyoto Mechanism 3. Technologies for GHGs emission reduction including technologies of energy conservation and renewable energy. 4. The roles of developing countries in the implementation of CDM projects <p>[Finalization Phase] Organizational Approval of Action Plan, Submission of Progress Report.</p>	<p>PROGRAM PERIOD</p>	<p>May / 31 / 2010 ~ Jul / 17 / 2010</p>
	<p>IMPLEMENTING PARTNER</p>	<p>International Center for Environmental Technology Transfer (ICETT)</p>
	<p>JICA CENTER</p>	<p>JICA Chubu</p>
	<p>COOPERATION PERIOD</p>	<p>2008~2010</p>
<p>REMARKS and WEBSITE</p>	<p>In this program, some lectures will be provided by the lecturers from India or China to understand the role of host countries of Kyoto Mechanism. The lecture from Credit buyer also will be provided in the program.</p>	

Target Countries: Southeast Asia and Oceania Region

15 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 To strengthen capacity of participants' organizations to develop, implement and evaluate domestic mitigation to address Climate Change in a measurable, reportable, and verifiable (MRV) manner under Nationally Appropriate Mitigation Actions (NAMAs).</p> <p>【Expected Results】 (1) To identify policy and technical challenges for domestic mitigation actions (2) To understand the framework of NAMAs for mitigation actions in a measurable, reportable, and verifiable (MRV) manner, such as in the UNFCCC. (3) To make draft plan on NAMAs. (4) To make Action Plan for tackling mitigation of Climate Change through elaborating strategies to mobilize and introduce mitigation technologies, which are suitable in local conditions.</p>	<p>【Target Organizations】 a national (or local) governmental office which is involved in Climate Change mitigation, such as Focal Point of UNFCCC etc...</p> <p>【Target Group】 Current Duties: officer in charge of Climate Change mitigation (Preferably an officer especially in charge of GHG inventories) Experience in the relevant field: more than 3 years</p>	
<p>CONTENTS</p> <p>【Preliminary Phase】To make Inception Report 【Core Phase in Japan】 (1) To make a presentation of Inception Report (2)(3) administrative frameworks and policy tools for mitigation measures ・international framework after Bali Action Plan of COP13, and its implication on domestic mitigation actions. ・Collective and individual guidance given for developing Climate Change draft action plans, which may include NAMAs. ・quantitative evaluation methodologies for Climate Change action plan (eg. GHG reduction). ・role of GHG inventory (4) To make and present Action Plan 【Finalization Phase】 ・To share and discuss the Action Plan in the participants' organizations ・To make and submit Final Report (within 6 months since returning home country)</p>	<p>PROGRAM PERIOD</p>	<p>Jul / 25 / 2010 ~ Aug / 28 / 2010</p>
	<p>IMPLEMENTING PARTNER</p>	<p>Not yet determined</p>
	<p>JICA CENTER</p>	<p>JICA Tsukuba(Training&Partnership)</p>
	<p>COOPERATION PERIOD</p>	<p>2010~2012</p>
	<p>REMARKS and WEBSITE</p>	<p>This course newly starts this year.</p>

5 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>(1) 1st year: Capacity development on Climate change analysis and calculation in the South American region. Making the roadmap for analysis paper. (2) 2nd year: Complete the analysis paper. Unit Objective 1: Japan's climate adaptation measure and present effort will be correctly understood. Unit Objective 2: Present condition, technique and case on climate change calculation applying Earth Simulator can be explained Unit Objective 3: Data using the climate change scenario will be applied Unit Objective 4: Climate change calculation and analysis techniques will be mastered</p> <p>★Objective might be changed after preliminary survey</p>	<p>Target Organization University of Technology and Engineering, Meteorological Institute</p> <p>Target Group Meteorological Researchers in charge of Climate Change modeling</p> <p>★Target group might be changed after preliminary survey</p>	
<p>CONTENTS</p> <ul style="list-style-type: none"> •Presentation and discussion on job report of each country. •Presentation on Japanese Climate change measure by Japanese expert. •Calculation, climate change evaluation and analysis on climate system using the numerical model from meteorological laboratory. •Characteristic of atmospheric model using 20km mesh •Japan's contribution on climate change monitoring using Earth Simulator •Applying output data using the climate change scenario. •Calculation analysis using the climate change scenario and verification with own country's data. <p>★Contents might be changed after preliminary survey</p>	<p>PROGRAM PERIOD</p>	<p>under planning</p>
	<p>IMPLEMENTING PARTNER</p>	<p>Meteorological Research Institute</p>
	<p>JICA CENTER</p>	<p>JICA Tokyo(Economy&Env.)</p>
	<p>COOPERATION PERIOD</p>	<p>2010~2011</p>
	<p>REMARKS and WEBSITE</p>	

Capacity Development for Adaptation to Climate Change –Climate Modering and Analysis アジア地域 気候変動への適応にかかる能力開発 一気候変動予測解析		PRTD Solution 1084141 Sector : Environmental Management Sub-Sector : Global Warming	
Target Countries : Indonesia, Philippine, Thailand, Vietnam, Bangladesh		5 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>[Objectives]</p> <ul style="list-style-type: none"> to develop a capacity for adaptation to climate change, particularly forecast and impact assessment in the first two years: be focused on climate change forecast where a technique of climate modeling based on the 'Earth Simulator' and a downscaling method will be learned in the last year: impact assessment by using the climate change forecast and 	<p>[Target Organizations] University of Technology and Engineering Meteorological Institute</p> <p>[Target Group] Meteorological Researchers in charge of climate change modeling</p>		
CONTENTS	PROGRAM PERIOD	under planning	
<p>★1st and 2nd year</p> <p>(1)Lectures</p> <p>(a)Adaptation policy in Japan</p> <p>(b)Basic concept of Climate Change Model</p> <p>(c) and other related lectures</p> <p>(2)Exercise</p> <p>(a)Data analysis of Climate Change Model</p> <p>(b)Data modeling of Climate Change</p> <p>(c) and other related research</p> <p>★3rd year</p> <p>Impact assesment (under planning)</p>	IMPLEMENTING PARTNER	under planning	
	JICA CENTER	JICA Tokyo(Economy&Env.)	
	COOPERATION PERIOD	2008~2010	
	REMARKS and WEBSITE	Applicants are expected to nominate from same organization and/or person each year(2years) as far as possible. The required condition for 3rd year is under planning.	

Promotion of Project Formulation of Clean Development Mechanism in Central Asia and Caucasus Region 中央アジア・コーカサス地域 クリーン開発メカニズム案件形成促進		PRTD Solution 1084280 Sector : Environmental Management Sub-Sector : Global Warming	
Target Countries : Central Asia and Caucasus Region		4 participants / Russian	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>[Objective] The formulation and registration of CDM projects will be promoted in the respective countries.</p> <p>[Expected Outputs]</p> <ol style="list-style-type: none"> To grasp the problems which the CDM related organizations in their countries have in the process of project formulation (before coming to Japan). The system to provide information for the stakeholders of CDM projects will be established in the respective DNAs. (the 1st year) The guideline for the formulation of CDM projects considering the situations of the respective countries will be drafted. (the 2nd year) The system to provide the consultation for the registration of CDM projects will be established in the respective DNAs. (the 3rd year) To contribute to the solution of the problems which CDM related organizations have, with fruits of the training program in Japan (after going back to participants' own countries). 	<p>[Target Organization] Designated National Authorities (DNA) or other corresponding organization like National Focal Points (NFP) and CDM related offices.</p> <p>[Target Group] Those who has contact with private sector, and is engaged in the CDM project formulation and registration. Those who has experience in this field more than 1 year.</p>		
CONTENTS	PROGRAM PERIOD	Nov / 21 / 2010 ~ Dec / 22 / 2010	
<p>[Preliminary Phase] Formulation of Inception Report</p> <p>[Core Phase] Lecture, Practice, Observation, and Discussion on the following subjects.</p> <ol style="list-style-type: none"> To deliberate about the way of information service considering credit buyer's demand and experiences in leading host countries of CDM To draft the guideline for proper CDM project formulation and registration application considering CDM project potential in the respective counties, demand of credit buyers and possible difficulties in the process from project formulation to the registration. To acquire various perspectives needed for the project formulation consultation through PDD formulation practice. To make the action plan. <p>[Finalization Phase] Organizational Approval of Action Plan, Submission of Progress Report.</p>	IMPLEMENTING PARTNER	International Center for Environmental Technology Transfer (ICETT)	
	JICA CENTER	JICA Chubu	
	COOPERATION PERIOD	2009~2011	
	REMARKS and WEBSITE		

Nagoya University Global Environmental Leaders Program: Climate Change, Water and Waste Management and Biodiversity Conservation (Master's Degree: Environmental Studies / Engineering) 名古屋大学国際環境人材育成-地球温暖化対策、水・廃棄物対策、生物多様性-(長期)		LONG-TERM Leaders Sector: Environmental Management Sub-Sector: Global Warming	1081210
		4 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 Policymakers and technicians will develop their capability of: 1) proposing and practicing approaches to solve the problems with a correct understanding of local situations, 2) coping with cross-sectoral and emerging problems, and 3) communication in the policy dialogues etc. that suits conditions of local society.</p> <p>【Expected Results】 (1) To acquire the theories, advanced knowledge and the problem-solving way of thinking. (2) To improve practical abilities through the internship and seminars to solve the problems in the original countries of the participants. (3) To acquire the ability to wrap up and publicize special reports logically and make actions based on them.</p>	Agencies of central/local governments, private companies, or higher education bodies related to climate policy and mitigation technology.		
CONTENTS	PROGRAM PERIOD	Sep / 17 / 2010 ~ Sep / 30 / 2012	
<p>This program aims to develop global environmental leaders who are able to propose practical measures to solve the problems of climate change.</p> <p>(1) The participants will take lectures, workshops and seminars under this course as required by the curriculum model and acquire credits (at least eight) to obtain the degree. (2) The participants will have a training or internship for a certain period in partner organizations from the Chubu Consortium for Environmental Leaders Development (cooperating body of this program). (3) The participants will complete a dissertation based on research instruction by main and assistant supervisors. The dissertation should identify and analyze an important issue in their original country, and provide measures to be taken to solve it.</p>	IMPLEMENTING PARTNER	Global Environmental Leaders Program, Nagoya University	
	JICA CENTER	JICA Chubu	
	COOPERATION PERIOD	2009~2011	
	REMARKS and WEBSITE		

Workshop on Administration of Environmental and Social Consideration Process for Implementation of a Japanese ODA Loan Project 円借款事業における環境社会配慮実務		PITD Leaders Sector: Environmental Management Sub-Sector: Other Environmental Management Issues	1080106
		36 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 This course aims at enhancing the capability of the officers in charge of Environmental and Social Considerations (ESC) to implement appropriate ESC and helping them to acquire the requirements for implementation of a Japanese ODA Loan project.</p> <p>【Expected Result】 (1) To be able to explain necessity of adequate environmental and social considerations referring to lessons from experience of ODA projects (2) To be able to explain outline of guidelines of environmental and social considerations required for a Japan's ODA loan project (3) To understand the fundamental ideas of EIA and to be able to explain their proper procedure of environmental and social consideration and technical points for their implementation (4) To identify the issues and measures to promote proper EIA in their countries</p>	<p>【Target Organizations】 (1) Implementation body of a Japan's ODA Loan Project (or a proposed project), which requires environmental and social consideration in accordance and (2) the implementation body of the EIA</p> <p>【Target group】 <Job title> Director, assistant director or equivalent <Experience> More than five years experience in the EIA field such as in the divisions in charge of environmental and social consideration or EIA <Other> Countries and organizations in which the Japan's ODA Loan project will be implemented</p>		
CONTENTS	PROGRAM PERIOD	May / 23 / 2010 ~ Jun / 5 / 2010	
<p>[Preliminary Phase] Formulation of Inception Report</p> <p>【Core Phase】 (1) Experience of environmental and social consideration for ODA projects and its lessons, lessons and learns of large scale development project in Japan, Project economic analysis of a project and environmental and social consideration (2) Environment and Social Consideration of JICA (3) Overviews of EIA (Social Environmental Assessment, EIA Process (Screening, Scoping, Mitigation, Public Hearing & Transparency /Accountability, Monitoring & Follow-up) (4) Country Report Presentation, Case Study, Environmental Assessment law in Japan(Comparative study), Writing on findings through the program</p>	IMPLEMENTING PARTNER	Overseas Environmental Cooperation Center, Japan(OECC)	
	JICA CENTER	JICA Tokyo(Economy&Env.)	
	COOPERATION PERIOD	2008~2010	
	REMARKS and WEBSITE		