

17.Environmental Management

Air Quality Management Policy 大気保全政策		PITD	Solution	1180864
Target Countries:		10 participants		
Sector : Environmental Management/Air Pollution/Acid Rain				
Sub-Sector :				
Language : English				
Appeal				
The course aims to contribute to the improvement of the air pollution control policy in the participating countries from the technical and socioeconomic viewpoints. The course is composed of lectures/discussions and observation tours. By placing emphasis on the air pollution control policy of Japan, it is intended to share the Japanese specific experience with the participants and to enhance heart -felt discussions among them.				
Objective / Output		Target Organization / Group		
Participants are expected to contribute to the improvement of air pollution policy in their own countries by making best use of the knowledge and technology on air quality management policy acquired in Japan. 1 To acquire the knowledge of whole system of air quality management, 2 To examine technical aspects of air pollution countermeasures (stationary and mobile sources), and air quality monitoring method, 3 To deepen understanding by exchanging opinions of current status of air quality and counter-measures in each country, and 4 To formulate an Action Plan for solutions of air pollution control problems.		•University graduates or holders of equivalent technical knowledge/qualification •More than three years professional experience •Technical officials in the central or local government responsible for air quality control policy		
Contents		Program Period	2012 / 1 / 10 ~ 2012 / 2 / 25	
Lecture: History of Japan’s Countermeasures against Air Pollution, Air Pollution Control Administration, Outline of Air Pollution Issues, Environmental Quality Standards and Health Effect, Countermeasures against Hazardous Air Pollutants, Air Pollution Control Technology and Energy Issues, Air Pollution Control Measures by Private Enterprises (Power Company and Steel Company), Techniques for Measurement of Air Pollution and Sampling Observe: Air Pollution Countermeasures of Small and Medium sized Enterprises, Municipal Solid Waste Incineration Plant, Ambient Air Telemetry System, Roadside Ambient Monitoring Station Practice: Techniques for Measurement of Air Pollution		Implementing Partner	Japan Environmental Sanitation Center (JESC)	
		JICA Center	JICA Tokyo(Economy&Env.)	
		Cooperation Period	2010～2012	
		Remarks and Website		

Air Pollution Source Management 大気汚染源管理		PRTD	Solution	1184286
Target Countries:Asia, Middle East and Latin America		10 participants		
Sector : Environmental Management/Air Pollution/Acid Rain				
Sub-Sector :				
Language : English				
Appeal				
The course intends to enforce capacity to formulate regulations and monitoring systems. Including both technical and administrative aspects in the curriculum, participants are expected to develop overall capacity in the field. The course will be highly effective, if collaborated with projects in the same field, targeting standard setting or monitoring enforcement.				
Objective / Output		Target Organization / Group		
【Objective】 Participants will be able to formulate and propose action plans to improve air pollution source management in respective countries and regions.		(1) Current Duties: be a backbone of a central / local governmental organization in charge of air pollution management (2) Experience in the relevant field: have more than 5 years’ experience in the field of air pollution management		
【Expected Results】 (1)Participants are able to explain the overview of the administrative system for air pollution prevention. (2)Participants are able to explain the overview of monitoring and analysis method implemented. (3)Participants are able to explain the overview of technology for air pollution prevention to visit government of local government and private companies. (4)Participants are able to formulate action plan for introducing of air pollution source management.				
Contents		Program Period	2011 / 10/ 2 ~ 2011 / 12 / 3	
Participants will learn followings through lectures, site visits and observations; (1)• History of industrial pollution and health effects of air pollution • Law system of air pollution prevention, Plant Inspection system in kitakyushu city • Anti-air pollution measures for automobile exhaust gas • Environmental education (2)• Air pollution monitoring system in Kitakyushu city • Monitoring and analysis of air pollution substance • Measurement of automobile exhaust gas (3)• Technology of dust collection and control of Sulfur and Nitrogen oxides •Visit to steel company and thermal power station (4)• Lecture of Project cycle management, Instruction for creating Action plan and Issue analysis sheet, Presentation of proposal (Action plan), Presentation for the final report		Implementing Partner	KITA	
		JICA Center	JICA Kyushu	
		Cooperation Period	2009～2011	
		Remarks and Website		

Countermeasure against Automobile Pollution in Urban Area 都市における自動車公害対策		PRTD	Solution	1184287
Target Countries: Countries that require automobile pollution prevention plans		9 participants		
Sector : Environmental Management/Air Pollution/Acid Rain				
Sub-Sector :				
Language : English				
Appeal				
This training is designed for deepen understandings of automobile emissions and for strengthening capacity on making plans countermeasures for automobile pollution.				
Objective / Output		Target Organization / Group		
[Program Objective]To complete at the end of the three annual training sessions an individual, concrete action plan for the development in the participants’ home country (agency) of policies for automobile pollution countermeasures. [Expected Module Output] Output 0: The job reports are formulated in participants’ respective countries./ Output 1: Issues of countermeasures against automobile pollution are preliminary sorted out. / Output 2: Through the case study of Japan’s experience in the field of air pollution countermeasures, issues of participating countries are sorted out. / Output 3 (Key issues): Through learning of methods of urban transport planning and education programs which are effective in prevention of automobile pollution, participants get tips on solving issues in their respective countries./ Output 4: Draft action plans for countermeasures against automobile pollution using knowledge and skills applicable for participating countries are formulated./ Output 5: The draft action plan is shared and examined in their respective organization.		– Administrative or engineering official involved in drafting policies for automobile pollution countermeasures and urban traffic countermeasures. – Experience: 3 years of experience working with environmental controls – Education: be a graduate of university or equivalent – Age: be under 50 years old. – Language: have a competent command of spoken and written English		
Contents		Program Period	2011 / 9/26 ~ 2011 / 11 / 19	
Output 0: Preparation of Job Report Output 1: Job Report Presentation/Discussion, Action Plan Guidance Output 2: History of automobile pollution countermeasures, Legal system for environmental countermeasures, Health effects of auto emissions(CO, NOx, PM, Pb, etc.), Merits/demerits of motorization, Environmental countermeasure techniques (general issues) Output 3:Traffic flow measures, Traffic control, Integrated transport systems, Public education and environmental awareness, Social systems, City planning Output 4:•Formulation/Presentation/Discussion of draft Action Plan Output 5: Sharing and improvement of Action Plan in the participating organization, submission of Follow-up Report describing progress of Action Plan * During the 1st and 2nd year, issues to be considered in the next year will b e identified. * After the 3rd year, the outcome of the 3 years will be integrated into pollution prevention countermeasures.		Implementing Partner	Under planning	
		JICA Center	JICA Osaka	
		Cooperation Period	2009～2011	
		Remarks and Website	This program is aiming at strengthening capacity of organization and individuals through 3 year’s program. Participants are desirably selected from the same organization through 3 years.	

Domestic Wastewater Treatment Techniques 生活排水対策		PITD	Solution	1180006
Target Countries: <div></div>		10 participants		
Sector : Environmental Management/Water Pollution				
Sub-Sector :				
Language : English				
Appeal				
This course aims to develop capacity of central / local government to formulate measures adaptive to their own countries regarding waste water management				
Objective / Output		Target Organization / Group		
<div><Objective> Effective policy targeting waste water management is formulated by corresponding organizations in central / local government. <Output> (1)Being able to explain measures taken by central / local government in Japan regarding waste water management. (2)Being able to propose effective measures based on basic idea of waste water management systems and techniques. (3)Being able to explain and apply how to measure pollution (4)Being able to explain effective treatment measures against pollution from viewpoint of water recycle and water circulation (5)Action plan is formulated, and its implementation is reported through final report.</div>		This program is offered to technical staffs dealing with waterworks and sewerage in central/local government.		
Contents		Program Period	2011 / 8/28 ~ 2011 / 12 / 10	
<div>Participants will learn followings through lectures, site visits, practices and discussions: (1) Overview of local administration on water quality control and waste treatment (2) Wastewater treatment technique, waste disposal, and septic tank (3) Water quality evaluation and bacterial contamination monitoring (4) Overview of water service in Kitakyushu City, reservoir and water treatment facilities (5) Job report formulation & presentation, project cycle management, and action plan formulation & presentation</div>		Implementing Partner	KITA	
		JICA Center	JICA Kyushu	
		Cooperation Period	2010~2012	
		Remarks and Website		

Operation and Maintenance of Sewerage System and Waste Water Treatment Technique 下水道維持管理システムと排水処理技術		PITD	Trainers	1180103
Target Countries:Applying countries are supposed to possess sewer systems.		10 participants		
Sector : Environmental Management/Water Pollution				
Sub-Sector :				
Language : English				
Appeal				
This program is designed for senior engineers engaged in operation & maintenance of sewer works. Under consultations by Kitakyushu City Govenment, lectures and site observations are efficiently combined into a program. This program will be highly beneficial, if it could be related to overseas projects targeting establishment of sewer facilities or capacity development of operation of the facilities.				
Objective / Output		Target Organization / Group		
<p><Course Objective> Participatans will be able to formulate & propose action plans to introduce sewer treatment & maintenance systems & techniques, utilizing the program.</p> <p><Objective for each unit> (1) Being able to explain basic knowledge of sewerage systems and wastewater treatment (2) Being able to explain necessary knowledge for planning and designing of sewerage systems (3) Being able to explain necessary knowledge for maintaining sewerage systems (4) Being able to explain necessary knowledge for industrial wastewater treatment and pretreatment facilities for discharge to sewerage systems (5) Being able to formulate and propose sewerage systems improvement plans as “Action Plans”</p>		<p><Target Organization>Governmental organization engaged in sewerage <Expected Job Title>Engineers engaged in sewer works <Expected Job Experience>More than 5 years <Other Qualifications>Below 50 years old</p>		
Contents		Program Period	2012 / 1/10 ~ 2012 / 3/10	
<p>Participants will learn following subjects through lectures, site visits, practices, discussions and presentations.</p> <p>(1) Overview of environmental management policies in Kitakyushu City, Sewerage system in the local government (Kitakyushu city), (2) Planning and construction of a sewage plant, Treatment of sewage (3) Maintenance management for wastewater treatment plant, Quality control in sewage treatment, (4) Water quality regulation for plants and factories, Wastewater treatment plant, Practical demonstrations of water quality management (5) Action plan preparation & presentation, formulation & submission of final report</p>		Implementing Partner	Under Planning	
		JICA Center	JICA Kyushu	
		Cooperation Period	2011～2013	
		Remarks and Website		

Sewerage Technology for Wastewater Control and Urban Drainage 下水道維持管理・都市排水		PITD	Trainers	1180105
Target Countries:		14 participants		
Sector : Environmental Management/Water Pollution				
Sub-Sector :				
Language : English				
Appeal				
This program is organized so that participants can learn practical knowledge and technology on such topics as below: Operation and maintenance of sewer channels and treatment facilities, utilization of treated water and sludge as useful resources, utilizaton of industrial wastewater.				
Objective / Output		Target Organization / Group		
【Objective】 Based on the Action Plan proposed by respective participant, the gained knowledge or skills shall be shared in his/her organization. 【Expected Results】 (1) To acquire basic knowledge of sewerage systems and wastewater treatment (2) To acquire knowledge necessary for planning and designing of sewerage systems (sewer network, wastewater treatment plants) (3) To acquire knowledge necessary for maintaining sewerage systems (sewer network, wastewater treatment plants) (4) To acquire knowledge necessary for sewerage administration and International cooperation (5) To propose sewerage systems improvement plans as “Action Plans” for the participant’s respective countries, with a clear understanding of relevant experiences and knowledge acquired in the course		【Target Organizations】 National/Local authority in charge of wastewater treatment, sewerage work and stormwater drainage 【Target Group】 (1) be university graduate or those who have equivalent technical qualifications in this field, and have more than five(5) years of practical experience (2) be senior technical officers in charge of sewerage and drainage management in central /local government		
Contents		Program Period	2011 / 8 / 29 ~ 2011 / 11 / 5	
【Preliminary phase in Participant’s home country】 Country Report is formulated to clarify the present situation and problems in the sewerage system of the participating country. 【Program in Japan】 (1) General knowledge on the regulation and situation of sewerage system in Japan especially in Osaka.(Lecture) (2) Planning, designing and constructing of Sewerage facilities.(Lecture, Observation) (3) Maintenance of sewerage systems.(Lecture, Observation) (4) Sewerage administration and international cooperation.(Lecture) (5) Preparation/Presentation of Action Plan. 【Finalization Phase in Participant’s home country】 – Report to JICA on the progress of knowledge/skills sharing among the relevant engineers in the participating organization.		Implementing Partner	Under Planning	
		JICA Center	JICA Osaka	
		Cooperation Period	2011～2013	
		Remarks and Website		

Industrial Wastewater Treatment Techniques 産業廃水処理技術		PITD	Solution	1180815
Target Countries: <div></div>		9 participants		
Sector : Environmental Management/Water Pollution				
Sub-Sector :				
Language : English, Vietnamese				
Appeal				
This training program provides the participants with not only lectures but various workshops such as water quality test and designing exercise, so that the participants can strengthen the capacity to take appropriate treatment measures in the actual field. In particular, participants can foster applied skills through designing wastewater treatment facility by themselves using CAD. Kitakyushu City has a rich experience in overcoming pollution. Participants can learn using a wealth of examples				
Objective / Output		Target Organization / Group		
【Objectives】 Participants will be able to formulate and propose action plans to control industrial waste water, utilizing contents of the training program.		1) Current Duties: be engineers in charge of wastewater treatment in government / municipal offices or manufacturing industries 2) Experience in the relevant field: have more than more than 5 years of occupational experience in the field of wastewater treatment 3) Educational Background: be a university graduate, majoring in chemical, mechanical, electrical or civil engineering, or the equivalent.		
【Outputs】 (1) To understand the importance of wastewater treatment and the water pollution (2) To understand the water pollution control process, and the general concept of wastewater treatment technologies (3) To acquire the method of selecting wastewater treatment by analysis, and the basic design of wastewater treatment facilities (4) To understand the techniques concerning the detail design and manufacturing control of the facilities for precipitation filtration, neutralization, removal of oil contents etc. (5) To formulate action plans, utilizing contents of the program.				
Contents		Program Period	2011 / 8/21 ~ 2011 / 12/17	
1. Preliminary Phase in a participant’s home country Applying organizations are required to submit the Job Report and the Issue Analysis Sheet together with the application form for selection in Japan. 2.Core Phase in Japan (Lecture, practice and/or field study) (1)Basic of Water Pollution Control (2)Basic Theory of Wastewater Treatment (3)Basic Plan of Wastewater Treatment (4)Design and Construction of Wastewater Treatment Facilities (5)Operation and Maintenance of Wastewater Treatment Facilities (6)Formulation of Action 3. Finalization Phase in a participant’s home country Application and implementation of the action plan is discussed in the participant’s organization and its result will be submitted after leaving Japan, based on the follow-up questionnaire to be provided during the phase in Japan.		Implementing Partner	Under Planning	
		JICA Center	JICA Kyushu	
		Cooperation Period	2011~2013	
		Remarks and Website	Second implementation (Vietnam only): from February 19, 2012 to April 20, 2012	

Water Environmental Monitoring 水環境モニタリング		PITD Trainers 1180962	
Target Countries:		11 participants	
Sector : Environmental Management/Water Pollution			
Sub-Sector :			
Language : English			
Appeal			
This program is designed for leading technical officers and laboratory staffs in the field of water quality monitoring to enhance their technical capabilities and to help them develop action plans for improving their operations. This training, providing opportunities to have exercises, site visits, etc. to learn the Japanese experiences and techniques on water pollution prevention, has a great meaning for countries suffering from water pollution.			
Objective / Output		Target Organization / Group	
[Objective] This program is designed for leading technical officers and laboratory staffs in the field of water quality monitoring to enhance their technical capabilities and to help them develop action plans for improving their operations. [Expected Results] 1. To be able to explain relations between various economic and social activities and water pollutions, mechanism of water pollutions and their effects on ecosystems, 2. To be able to explain the water quality management system based on water quality monitoring, 3. To gain essential and most relevant skills and methods to water quality monitoring and data processing and to make practice report, and 4. To analyze the challenges on water quality monitoring done in respective countries and to formulate an action plan.		(1)be technical officers or laboratory staffs in the field of water quality monitoring in central/local government or public institutions, (2)be university graduates (science or engineering) or have the equivalent academic background, and have enough knowledge on water environment, (3)not be less than twenty five(25) and not be more than thirty five (35) years of age, (4)have sufficient command of discussing and making presentation in English	
Contents		Program Period	2011 / 9 / 4 ~ 2011 / 10 / 22
[Preliminary Phase] Formulation of the Court Report [Core Phase] L: History of Water Pollution Problem in Japan L: Mechanism of Water Pollution L/V: Water Pollution and Its Effect L: Method of Sampling P: Measurement of Flow Rate and Velocity P: Analysis of Poisonous Organic Compound / Agrichemicals (HPLC) P: Analysis of Volatile Organic Compound (Headspace/GC/ECD) P: Analysis of Organic Compound(COD/TOC) P: Analysis of Microorganism P: Analysis of Benthic Environment P: Analysis of Poisonous Metal (AAS) P: Method of Analytical Data Processing [Finalization Phase] Action Plan introduction (presentation or discussion with related persons)		Implementing Partner	Japan Environmental Sanitation Center (JESC)
		JICA Center	JICA Tokyo(Economy&Env.)
		Cooperation Period	2010~2012
		Remarks and Website	JSEC http://www.jesc.or.jp/en/index.html

The Integrated Water Management of Coastal Seas / Bays and Catchment Areas 沿岸域・内湾およびその集水域における統合的水環境管理		PITD	Solution	1180997
Target Countries: <input type="text"/>		8 participants		
Sector : Environmental Management/Water Pollution				
Sub-Sector :				
Language : English				
Appeal				
This program is designed for making the integrated water management plan for the water pollution for the coastal seas/bays and catchment area where the water pllution including eutrophication is severe.				
Objective / Output		Target Organization / Group		
【Objective】 A plan is drawn out to improve the policy for solution to the water pollution in the area managed by the governmental organaization which participants belong to.		【Target Organization】 Department which is incharge of environmental management of enclosed coastal seas		
【Output】 1. The water condition and issue of the coastal sea/bay area in own country are defined through preparing and presenting the Job Report. 2. The mechanism of the water pollution and the technique of environmental protection in the coastal sea/bay is comprehended by combining with the own issue. 3. The advanced law and policy for the environmental protection in the coastal sea/bay is comprehended and applicated them to their own social system. 4. Develop practicable action plan 5. As a result of the discussion and consideration about reflection of the action plan to the policy of own section in the organaization, progres report is submitted about three month after return to the country.		【Target Group】 •officers, educators, and engineers in administrative bodies who presently need information and /or experience on the environmental managemant of enclosed coastal seas •Job experience: more than 3 years in the field •Age: from 26 to 44		
Contents		Program Period	2011 / 10 / 2 ~ 2011 / 11 / 26	
•Preparing a Job Report and considering in the organization •General view of water pollution and provision in Hyogo/Japan •A phenomenon of water pollution and its mechanism •Model analysis of water pollution •Field survey method and measurment for coastal seas/bays and catchment areas •Ecosystem and material cycle •Water environmental management and restoration technology •Environment law and policy •Integrated water management •Midterm discussion and evaluation •Individual advice for the draft •Prepareing final action plan and presentation •Monitoring the action plan progress •Drawing the progress report and submission		Implementing Partner	Under Planning	
		JICA Center	JICA Hyogo	
		Cooperation Period	2010～2012	
		Remarks and Website		

Sewage Treatment Technique for Central America and the Caribbean 中米・カリブ地域「生活排水処理」		PRTD	Trainers	1184018
Target Countries:Central America and the Caribbians		7 participants		
Sector : Environmental Management/Water Pollution				
Sub-Sector :				
Language : Spanish				
Appeal				
This program is designed for participants to gain necessary knowledge&techniques to implement a sewage treatment system suited to their respective countries. While in Japan, participants will summarize what they have learnt and prepare dissemination materials to be used in their respective countries. The main focus is paid to sewage planning, maintenance of sewage treatment plants, and various sewage treatment techniques.				
Objective / Output		Target Organization / Group		
【Course Objective】 Participants will gain necessary knowledge and skills to plan and implement a sewage treatment system suited to their countries, and share the knowledge within their respective countries. 【Expected Outputs】 (1) To understand the issues of the sewage treatment in their respective countries. (2) To understand the importance of sewage treatment in relation to the preservation of water-environment and living-environment. (3) To gain basic knowledge on sewage treatment planning. (4) To gain basic knowledge on sewage treatment techniques. (5) To gain basic kwnoledge on maintenance and management techniques of swwage treatment facilities. (6)To plan dissemination lectures/workshops based on the training course and implement them within their respective organizations.		【Target Organization】 •Central/local government and public organizations in charge of planning, operation, maintenance and management of sewage treatment facilities. 【Target Group】 •Technical officials in charge of sewage treatment at central/local government or public organizations •3 years of experience in the field concerned •The belonging organization owns a sewage treatment facility, or is in charge of its plan, operation and maintenance		
Contents		Program Period	2011 / 9 / 19 ~ 2011 / 11 / 5	
The following lectures, workshops, and observations are to be carried out. • Issue Analysis Workshop • Issues on water environment and sewage treatment • Japan’s experience on the sewage treatment regulations and current problems • Theory of sewage treatment planning • Sewage treatment management • Issues of sewage treatment planning in developing countries • General theory of sewage treatment technique • Current conditions of the disposal site in Higashihiroshima • Maintenance and management of sewage treatment facilities • Preparation and presentation of dissemination materials • Dissemination activities (in home country) • Submission of progress report		Implementing Partner	Higashihiroshima City	
		JICA Center	JICA Chugoku	
		Cooperation Period	2010～2012	
		Remarks and Website		

Water Quality Monitoring for Effective Usage of Water Resources in Central Asia 中央アジア地域 水資源有効利用を目的とした水質モニタリング		PRTD	Solution	1184042
Target Countries:Central Asian countires which face international river		8 participants		
Sector : Environmental Management/Water Pollution				
Sub-Sector :				
Language : Russian				
Appeal				
In order to use scarce water resources effectively in Central Asia, this course aims to earn purification techniques of conterminated river, groundwater, and soil and to earn the image of public water resource management (river basin, lake shore) by utilizing those purification techniques.				
Objective / Output		Target Organization / Group		
【Course Objective】 In the organizations in charge of water quality monitoring and management, reccomendation paper will be presented on improvement of technical standard for administrating area and also on vast water area management.		[Target Organization] Ministry of Environment, State Committee for Environment Protection or Nature Protection, Hydromet Center [Target Group] •Policy maker and monitoring technitian of water monitoring especially for environmental concervation. With experience of more than 3years but not including agriculture, watersewage and sanitary section. Researcher is not appropriate for this course. •Bachelor of science or adequate academic knowledge and be tough enough to attend practice and field work.		
【Expected Module Output】 (1) Understanding Japanese laws, regulations, standards on water issue. (2) Improvement on the accuracy management on water quality monitoring. (3) Being able to process the Analysis Result and to apply Wide-area Water Quality Monitoring System (4) Understanding difference of values of respective authorities over the utilization of shared rivers/lakes. (5) Take the reccomendation report into an action.				
Contents		Program Period	2011 / 10 / 20 ~ 2011 / 11 / 30	
[Preliminary Phase in home country] Preparing Inception report [Core Phase in Japan] (1)Introduction of water quality control policy. Inception report presentation on the actual status and problems on water quality monitoring in Central Asia. (2)Review of Current Water Quality Monitoring Technology and Improvement of Accuracy Management. (3)Data process and application towards compiling database and preparation for setting up GIS in order to utilize the information for further research and policy making. Also, to understand the importance of information disclosure and sharing. Some treatment technology will be introduced. (4)Utilization of water monitoring as process for wide-area environmental conservation and proactive water resource for shared use with the understanding of different situation and opinions of other participants. Its process and challenging issue will be summarized and presented as A/P. [Finalization Phase in home country] Participants will prepare a report on progress of activities in the light of aquired knowledge in Japan in 6 months after the return.		Implementing Partner	Under Planning	
		JICA Center	JICA Chubu	
		Cooperation Period	2009～2011	
		Remarks and Website	This course encourage administrative officer and labo worker dealing with surface water and water environment in lake or pond.	

Workshop for Enhancement of the Governmental Capacity on Water Environment in Asian Countries アジア水環境ガバナンス強化ワークショップ		PRTD Int.Dialogue	1184278
Target Countries: WEPA member countries		10	participants
Sector : Environmental Management/Water Pollution			
Sub-Sector :			
Language : English			
Appeal			
<p>The target country of this training is WEPA member nations. Participants are expected to enhance the capacity of planning and implementation of water environmental management. Participants learn Japanese policies and systems for water environmental conservation at national and local levels, development of watershed management/river basin management in Japan and emerging management agenda such as Climate Change and Water. They also visit water environment management system.</p>			
Objective / Output		Target Organization / Group	
【Objective】 1. Draft Action Plan on enhancing water environmental management will be formulated by the participants, and will be shared with the stakeholders in respective countries. 2. The latest information and know edge on water environmental management in each participating country will be provided to WEPA, and will be shared among participating countries.		【Target Organizations】 Central and local governmental organizations in charge of water environment management in each country, which are desirably partner organizations of Water Environment Partner in Asia (WEPA).	
【Outputs】 1. To Share the information on water environmental management system in each country to build common awareness among participants. 2. To understand the policies and systems of water environmental management in Japan. 3. To identify the common problems among participants and specific challenges in each country through sharing the information and knowledge on water environmental management systems among participants. 4. To develop the draft action plan proposing practical method to solve the challenges.		【Target Group】 1. Executive official/manager in administration, managing water environment monitoring. 2. With more than 10 years' experience in the field. 3. University graduates or the equivalent	
Contents		Program Period	2011 / 8 / 21 ~ 2011 / 9 / 3
【Preliminary Phase】 1. Preparation of Inception Report on water environmental management in each country. 【Core Phase in Japan】 1. Lectures, observations, and discussions on followings will be conducted. * Water environmental policy system, development of watershed management/river basin management, water environment management system of local government level in Japan. * Linkage of relevant stakeholders in water environmental management such as national and local governments; governmental sectors, private sector and NGOs. * Emerging management agenda such as Integrated Water Resource Management (IWRM) and Climate Change 2. Development of the draft action plan, and its presentation and discussion. 【Finalization Phase】 1. Presentation and discussion of the draft action plan among the stakeholders in respective countries. 2. Submission of the final report on action plan.		Implementing Partner	Institute for Global Environmental Strategies
		JICA Center	JICA Yokohama
		Cooperation Period	2009~2011
		Remarks and Website	IGES: http://www.iges.or.jp/en/index.html WEPA: http://www.wepa-db.net/

Creation of Recycling Society based on Hazardous Waste Management and Appropriate Disposal in Asia 有害廃棄物管理・適正処理を基盤とするアジアの循環型社会形成		PRTD	Solution	1184209
Target Countries:Asian countries		12 participants		
Sector : Environmental Management/Industrial Solid Wastes				
Sub-Sector :				
Language : English				
Appeal				
This program is designed for Authority in charge of the waste management of LGU and Central Government to learn appropriate disposal of waste recycling and hazardous waste, aiming at the improvement of the plan-making ability of waste management for creation of recycling society.				
Objective / Output		Target Organization / Group		
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 exsiting counter measurs. 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 resepective country will be prepared. Discussions on the future plans for improvement of Hazardous Waste Management administration are undertaken and clear future directions are presented.		1) Current Duties: be mid-career officials presently in charge of hazardous waste management 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.		
Contents		Program Period	2011 / 7/ 5 ~ 2011 / 8/6	
(Preliminary Phase) Make the Job Reports, presentations and discussions. (Core Phase in Japan) 1.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. 2.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. 3.Preparation and presentation of country reports, interim discussions and provision of advise for action plans. (Finalization Phase) Sharing the action plan in their own countries and report the progress of the action plan.		Implementing Partner	Japan Environmental Sanitation Center	
		JICA Center	JICA Yokohama	
		Cooperation Period	2010~2012	
		Remarks and Website		

Solid Waste Management by Local Government 地方自治体における廃棄物処理		PITD	Solution	1180091
Target Countries: <div></div>		14 participants		
Sector : Environmental Management/Urban Solid Wastes				
Sub-Sector :				
Language : English				
Appeal				
This course provides the overview and techniques of waste dispersal, from waste reduction, sorted collection, intermediate treatment to final disposal, and in consideration with social and economic situation as well as health and sanitation. Participants will get findings from the multi-approaches among citizens , private sectors and government, and formulate practical action plan to improve the issues in the respective country.				
Objective / Output		Target Organization / Group		
【Objective】 A draft plan for improvement of solid waste management will be formulated by a local government of an area designated as a model. 【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		【Target Organizations】 Local governments & related organizations engaged in solid waste management of a model area designated by each country. 【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.		
Contents		Program Period	2011 / 8/21 ~ 2011 / 10/15	
【Preliminary Phase in a participant's home country】 Formulation and submission of Inception Report 【Core Phase】 Related to output (1): Sharing the information & ideas on waste (type and composition) through report presentation & discussion Related to output (2): 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. Related to output (3): 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. Related to output (4): Workshop and Discussion to design action plan and its improvement through individual guidance 【Finalization Phase】 Submission of final report to JICA		Implementing Partner	Under Planning	
		JICA Center	JICA Hyogo	
		Cooperation Period	2011~2013	
		Remarks and Website	Guidance considering the participating country's situation will be provided for each participant. This course will be implemented 3 times for JFY 2011.	

Waste Management Technique 廃棄物管理技術		PITD	Solution	1180100
Target Countries:		10 participants		
Sector : Environmental Management/Urban Solid Wastes				
Sub-Sector :				
Language : English, Vietnamese				
Appeal				
This program is designed for engineers engaged in waste management. Participants will have many opportunities to learn & practice about waste management techniques such as sanitary landfill and composting, together with measures to promote community participation, focusing on environmental education systems. It would be highly beneficial, if the applying organizations are planning to improve waste management systems, final disposal sites, and awareness raising.				
Objective / Output		Target Organization / Group		
<p><Course Objective> Participtans will be able to formulate & propose action plans to improve waste management processes (discharge/storage, collection, intermediate treatment and final disposal) , utilizing the program.</p> <p><Objective for each unit> (1) Being able to explain the historical process of environmental policy and waste management system in Japan. (2) Being able to explain waste treatment processes (collection, transportation, intermediate treatment, recycling, and composting) in Japan (3) Being able to explain the techniques and measures of final disposal site in Japan. (4) Beign able to explain concrete methods of environmental education and awareness raising. (5) Being able to formulate and present action plans</p>		<p><Target Organization>Governmental organization engaged in waste management <Expected Job Title>Engineers in charge of waste management processes (discharge/storage, collection, intermediate treatment and final disposal) <Expected Job Experience>More than 3 years <Other Qualifications>Below 45 years old</p>		
Contents		Program Period	2011 / 8/21 ~ 2011 / 10/22	
<p>Participants will learn the followings through lectures, site visits, practices, discussions and presentations.</p> <p>(1) Overview of waste management, Waste treatment in Kitakyushu City, Industrial waste management, Promotion of sound material cycle society, Environmental impact assessment, Global issues (2) Composting, Time and motion study, Waste composition, Treatment of hazardous waste, Eco-town project, (3) Regulation and structure of final disposal site, Maintenance of final disposal site, Application to overseas, Methane fermentation (4) Environmental education in Kitakyushu City, Waste reduction activities in communities, Trainers’ training by JICA, Environmental Museum and volunteer activities (5) Project cycle management, Action plan formulation & presentation, Preparation of final report</p>		Implementing Partner	Under Planning	
		JICA Center	JICA Kyushu	
		Cooperation Period	2011～2013	
		Remarks and Website	The second implementation: from October 23, 2011 to December 23, 2011 The third implementation (Vietnam only): from February 19, 2012 to April 21, 2012	

Waste Management and 3R (Reduce, Reuse and Recycle) Policies 廃棄物3R・再資源化		PITD	Solution	1180121
Target Countries: <input type="text"/>		10 participants		
Sector : Environmental Management/Urban Solid Wastes				
Sub-Sector :				
Language : English				
Appeal				
To draw up a promotion plan of waste management with 3Rs (Reduce, Reuse and Recycle) in their respective countries and put it into practical use in their duties and operations.				
Objective / Output		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	2011 / 6/12 ~ 2011 / 7/14	
(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 JFY2011	

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	1180802
Target Countries: <div></div>		10 participants		
Sector : Environmental Management/Urban Solid Wastes				
Sub-Sector :				
Language : English				
Appeal				
This course provides integrated training from upstream to downstream of solid waste management covering planning, collection, intermediate treatment, incineration and disposal as well as recycling. This course is carefully designed to facilitate acquiring necessary knowledge for technical staffs and administrative staffs.				
Objective / Output		Target Organization / Group		
Overall Goal: In participatory countries, effective and efficient solid waste management plan is designed and operated Program Objective: 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. Expected Module Output: (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./ (5) In participants' home countries, the interim report is approved by the organization concerned.		- Engineers or administrative officials of waste management experience in local governments (or national governments' sections which support local governments' organizations) who will continue working in the same field after the training course - to have more than 3 years' experience - Age: 30- 45 - to have a sufficient command of spoken and written English		
Contents		Program Period	2011 / 8 / 15 ~ 2011 / 10 / 20	
- Preparation and presentation of Country Report, Current situation and problems with waste management in developing countries: Solid Waste Management for Sustainable Society, Environmental Hygiene in Developing Countries - Current situation and problems of waste management in Japan: Waste Management Administration of Japan, Master Plan for General Waste Management in Osaka City - Collection and transport work: Time and Motion Study (efficient use of collection vehicles)/ Intermediate treatment work: Waste Reduction Policy and Recycling Services of Osaka City, Outline of Composting & Recycle/ Final disposal: Selection and Panning of Final Disposal Site/ Waste that requires special treatment: Hazardous Waste Disposal, Disposal of Medical Waste from Laboratories and Hospital - Collaboration with citizens: Public-Private Cooperation (Waste Reduction Promotion, Beautification) -Action Plan preparation, presentation, discussion, sharing and improvement of Action Plan in the participating organization, submission of Follow-up Report describing progress of Action Plan		Implementing Partner	Under Planning	
		JICA Center	JICA Osaka	
		Cooperation Period	2011~2013	
		Remarks and Website		

Comprehensive Solid Waste Management and the 3Rs 廃棄物総合管理及び3R		PITD	Solution	1180974
Target Countries:		12 participants		
Sector : Environmental Management/Urban Solid Wastes				
Sub-Sector :				
Language : English				
Appeal				
This program is designed for national and local government officials to identify a direction of policy development for the improvement of the situations related to the waste management and recycling through learning the policies and technologies for sound waste management and the 3Rs (Reduce, Reuse and Recycling) of Japan.				
Objective / Output		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. 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 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.		
Contents		Program Period	2011 / 6/14 ~ 2011 / 7/30	
(Preliminary Phase) Making the Job Reports, presentations and discussions. (Core Phase in Japan) 1. Learning the system and mechanisms for waste management in Japan. 2. Discussing the problem resolutions of trainees by learning the management and technologies for waste management and 3R. 3. Preparing and presentation of Action Plan. (Finalization Phase) Sharing the action plan in their own countries.		Implementing Partner	Japan Environmental Sanitation Center	
		JICA Center	JICA Yokohama	
		Cooperation Period	2010~2012	
		Remarks and Website		

Establishment of Sound Material Cycle Society 循環型社会の構築		PRTD	Solution	1184006
Target Countries:Asian Countries		10 participants		
Sector : Environmental Management/Urban Solid Wastes				
Sub-Sector :				
Language : English				
Appeal				
The course intends to enforce capacity of government to promote 3R or waste management. Officers in relevant organizations are targeted to learn know-hows of policy formulation and coordination with community and private sectors. It will be highly effective, if collaborated with overseas projects targeting capacity development for waste management, or promotion of 3R.				
Objective / Output		Target Organization / Group		
【Objective】 Participants will be able to formulate and propose action plans to promote 3R among communities, utilizing contents of the training program.		(1) Current Duties: be government officers or NGO staffs dealing with 3R, solid waste management and environmental education. (2) Experience in the relevant field: have more than 3 years’ experience in the field mentioned above (1),		
【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.				
Contents		Program Period	2012 / 1/15 ~ 2012 / 2/25	
(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		Implementing Partner	KITA	
		JICA Center	JICA Kyushu	
		Cooperation Period	2009～2011	
		Remarks and Website	KITA website: http://www.kita.or.jp/english/e_index.html	

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	1184017
Target Countries: PERU		15 participants		
Sector : Environmental Management/Urban Solid Wastes				
Sub-Sector :				
Language : Spanish				
Appeal				
The course is about the issue of solid waste in urban area which is urgently needed to be tackled. The course will introduce the practical cases in Japan, such as examples of 3R activities in societies, management policy of the local government, treatment techniques, new energy generation by the solid waste etc. The formulation or revision of master plan by each participant is expected as a result of the course.				
Objective / Output		Target Organization / Group		
[Objective] A concrete Master Plan or Action Plan will be formulated or revised in each local government which the participants belong to.		[Target Organization]Local Gov'ts which are the target of Yen Loan project on waste management.		
[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.		[Target Group] •administrative officer in Environmental management section, who understands technical matter(technical manager or researcher is not appropriate for this course) •5years or more experience in waste management •preferred to be a graduate of university		
Contents		Program Period	2012 / 1/15 ~ 2012 / 2/23	
[Preliminary Phase] Formulation of Inception Report		Implementing Partner	ICETT	
[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			JICA Center	JICA Chubu
		Cooperation Period	2010~2012	
[Finalization Phase] Implementation of the Action Plan, Submission of the Progress Report		Remarks and Website		

Waste Management Technology and 3Rs for Central and South American Countries 中南米地域 廃棄物処理技術及び3R		PRTD	Solution	1184026
Target Countries:South American Countries		12 participants		
Sector : Environmental Management/Urban Solid Wastes				
Sub-Sector :				
Language : Spanish				
Appeal				
This program aims at improvement and strengthening of solid waste management administration through learning Japanese 3R promotion policy etc.				
Objective / Output		Target Organization / Group		
【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. 【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 disposasl, 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		【Target Organization】 Central or local government in charge of solid waste management including 3R (Reduce, Reuse and Recycle) 【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		
Contents		Program Period	2011 / 8/ 9 ~ 2011 / 9/23	
【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		Implementing Partner	Under Planning	
		JICA Center	JICA Sapporo	
		Cooperation Period	2010～2012	
		Remarks and Website		

Waste Management for Promoting Recycling-Oriented Societies in Central and South America 中南米地域 循環型社会形成促進のための廃棄物管理		PRTD Solution 1184146	
Target Countries:Central and South American Region		8 participants	
Sector : Environmental Management/Urban Solid Wastes			
Sub-Sector :			
Language : Spanish			
Appeal			
To draw applicable solution for waste management by learning from Japanese cases of 3R, management policy of administration, and technology of SWM.			
Objective / Output		Target Organization / Group	
[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. [Expected Results] 1)Understanding the outline and charactaristics 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.		[Target Organization]Central and local governmentwho are facing the solid waste management problems in Central and South American countries. Local govetnment officials are encouraged to participate in. [Target Group] •administrative officer in Environmental management section, who understands technical matter(technical manager or researcher is not appropriate for this course) •5years or more experience in waste management •preferred to be a graduate of university	
Contents		Program Period	2011 / 6/ 1 ~ 2011 / 7 /16
[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)Verifing 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 the Action Plan, Submission of the Progress Report		Implementing Partner	ICETT
		JICA Center	JICA Chubu
		Cooperation Period	2010~2012
		Remarks and Website	

Solid Waste Management with Community Participation 市民参加型廃棄物管理研修		PRTD	Solution	1184224
Target Countries:Asian countries		10 participants		
Sector : Environmental Management/Urban Solid Wastes				
Sub-Sector :				
Language : English				
Appeal				
The course intends to provide integrated skills for awareness raising in waste management through lectures and practices by experts and researchers. In addition, participants will have chance to learn waste treatment techniques applicable to developing countries, such as composting and sanitary landfill. The course will be highly effective, if collaborated with projects for waste management focusing on community participation.				
Objective / Output		Target Organization / Group		
<p><Objective> Participatans will be able to formulate & propose action plans to enhance waste management through community participation, utilizing the program.</p> <p><Outputs> (1) Being albe 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>		<p><Target organization> This program is offered to governmental organizations which are engaged in solid waste management or environmental education for citizens.</p> <p><Target Group> (1) Current Duties: be government officers who are presently engaged in solid waste management or environmental education for citizens. (2) Experience in the relevant field: have more than 3 years’ experience in the field mentioned above (1).</p>		
Contents		Program Period	2011 / 9/ 4 ~ 2011 / 10 / 29	
<p>Participants will learn followings contents through lectures, site visits, practices, discussions and presentations.</p> <p>(1) 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 (2) Environmental education and enlightenment in local government, Environmental activities by related facilities and organizations, Discussion on environmental activities with citizens (3) Systems and rules in final disposal dump in Japan, Semi aerobic landfill, Landfill in developing countries (4) Theory of organic waste composting, Case study of organic waste composting, Basic procedure of organic waste composting (5) Formulation & presentation of action plan, preparation of final report</p>		Implementing Partner	KITA	
		JICA Center	JICA Kyushu	
		Cooperation Period	2010～2012	
		Remarks and Website		

Sustainable Solid Waste Management in Caribbean Islands カリブ島嶼国における持続可能な廃棄物管理		PRTD	Solution	1184305
Target Countries: Caribbean Coutries		5 participants		
Sector : Environmental Management/Urban Solid Wastes				
Sub-Sector :				
Language : English				
Appeal				
This training program contributes to problem solutions of solid waste management in small islands.				
Objective / Output		Target Organization / Group		
【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.		【Target Organization】 Ministries, Agencies and NGOs concerned with solid waste management		
【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.		【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		
Contents		Program Period	2011 / 5/31 ~ 2011 / 7/9	
<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. <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 <Activity in Finalization Phase in home country> (5) Share and modify the action plan in respective organizations		Implementing Partner	Okinawa Citizen's Recycle Movement	
		JICA Center	JICA Okinawa	
		Cooperation Period	2009~2011	
		Remarks and Website	This course will be implement twice for JFY2011. The second course is scheduled from 26th Oct. to 4th Dec. in the same content.	

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	Trainers	1180885
Target Countries:		10 participants		
Sector : Environmental Management/Cleaner Production				
Sub-Sector : Private Sector Development/Industrial Technology				
Language : English				
Appeal				
This course intends to promote cleaner production technologies. Since the focus of the course is on energy conservation through activities in production site or maintenance of existing equipments rather than introduction of totally new technologies, senior engineers engaged in maintenance activities might be the most suitable. It will be highly effective, if collaborated with projects to build energy power plant etc.				
Objective / Output		Target Organization / Group		
【Objective】 Participants will be able to formulate and propose an action plan to introduce various cleaner production techniques, utilizing the contents of the training program.		1) Current Duties: be an engineer engaged in facility maintenance management at energy-related facilities, private enterprises or CP centers.		
【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.		2) Experience in the relevant field: have more than 5 years’ experience in the field mentioned above 1).		
Contents		Program Period	2011 / 9/ 6 ~ 2011 / 12/ 22	
(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		Implementing Partner	KITA	
		JICA Center	JICA Kyushu	
		Cooperation Period	2009～2011	
		Remarks and Website	Second implementation: from January 17, 2012 to April 28, 2012	

Promotion of Cleaner Production for Southeast European Countries 南東欧地域 クリーナープロダクション振興		PRTD	Solution	1184076
Target Countries:Southeast European Countries		10 participants		
Sector : Environmental Management/Cleaner Production				
Sub-Sector : Private Sector Development/Industrial Technology				
Language : English				
Appeal				
This program is designed to support participants introduce Cleaner Production(CP) and promote activities by learning both theoretical and practical aspects of CP such as concept, element technologies for reduction of environmental burden, energy saving, resource saving and recycling, and actual cases in Japan.				
Objective / Output		Target Organization / Group		
<p><Course Objective> CP promotion plan is formulated in participants organization.</p> <p><Objective for each unit> 1. To understand definition and concept of CP and role of government and private sector in promoting CP, and to propose a solution for problems on productivity enhancement based on reduction of environmental contamination. 2. To be able to explain knowledge, techniques and actual cases of low environmental burden technology 3. To be able to explain knowledge, techniques and actual cases of energy saving and multiple usage of energy 4. To be able to explain knowledge, techniques and actual cases of resource saving and recycle 5. To be able to propose an action plan for promotion of CP 6. To report the progress of implementation of action plan after 6 months of core phase in Japan</p>		<p><Target Organization>Governmental organization, university, research institution, company and NGO concerned with promotion of Cleaner Production (CP) <Expected Job Title>Governmental administrators concerned with CP, experts registered in CP center, technicians in companies actively involved in CP and NGO leaders <Expected Job Experience>Over 5 years experiences <Other Qualifications>Under 50 years old</p>		
Contents		Program Period	2011 / 9/27 ~ 2011 / 11/19	
1. To learn that CP is an effective measure for productivity enhancement and reduction of environmental contamination. (1) Definition and concept of CP (2) In-house activities supporting CP promotion (3) Quality improvement and productivity enhancement by introducing CP (4) Good practices of CP 2. To learn measures and efforts for reduction of environmental pollution and creation of sustainable society by introducing CP. (1) Cases of overcoming industrial pollution (2) Environmental administration in Japan (3) Measures against global warming (4) Site visits 3. To learn meaning, measures and current situation of energy conservation (1) Energy cpnservation measures in Japan (2) Promotion of Energy conservation and low carbon society (3) Energy conservation in SME (4) Renewable energy development 4. To learn creation of sustainable recycle-oriented society by waste administration, 3R and recycling techniques (1) Measures and techniques supporting recycle-oriented society (2) Necessity of 3R promotion and technology development (3) Actual cases of 3R techniques in companies 5. Presentation, discussion, tutorial, and self-study for preparing action plan 6. To consider action plan in participant’s organization and to submit progress report.		Implementing Partner	KITA	
		JICA Center	JICA Kyushu	
		Cooperation Period	2011~2013	
		Remarks and Website	Companies in our training site have achieved both industrial development and environmental conservation by developing CP. Participants will learn CP and formulate action plan for promotion of CP.	

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	1184155
Target Countries:Latin American Countries		8 participants		
Sector : Environmental Management/Cleaner Production				
Sub-Sector : Private Sector Development/Industrial Technology				
Language : Spanish				
Appeal				
The participants can not only acquire techniques and methods for the implementation of cleaner production through lectures and practices, but also see with their own eyes how the techniques and methods have been applied in Japan by visiting various plants. Various equipment for practices exclusively for the participants’ use is available at the training site.				
Objective / Output		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 <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, ion and steel, food and ceramic plant <Target Group> Managers or engineers in the field of process industries</p>		
Contents		Program Period	2011 / 9/ 4 ~ 2011 / 12 / 10	
<p><Preliminary Phase> Preparation of Reports on responsibilities and challenges of participating organization <Core Phase in Japan> (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. <Finalization Phase> Review Action Plan(AP) and make a report on its progress.</p>		Implementing Partner	Under Planning	
		JICA Center	JICA Kyushu	
		Cooperation Period	2011~2013	
		Remarks and Website		

Tropical Biomass and Bio-fuel Utilization 熱帯バイオマスおよびバイオ燃料利用		PITD	Trainers	1180032
Target Countries: Countries located in the tropical and subtropical area.		6 participants		
Sector : Environmental Management/Global Warming				
Sub-Sector : Natural Resources and Energy/Renewable Energy				
Language : English				
Appeal				
This program is designed to create a sustainable society by training of effective utilizations of tropical biomass/bio-fuels adjusting the home country's conditions.				
Objective / Output		Target Organization / Group		
[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. [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.		[Target Organization] Administrative body and NPO engaged in tropical biomass and bio-fuel utilization [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.		
Contents		Program Period	2011 / 9/27 ~ 2011 / 12/3	
<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		Implementing Partner	Under Planning	
		JICA Center	JICA Okinawa	
		Cooperation Period	2010~2012	
		Remarks and Website		

Adaptation to Climate Change 気候変動への適応		PITD	Solution	1180066
Target Countries:can nominate suitable participant for 3yrs continuously		15 participants		
Sector : Environmental Management/Global Warming				
Sub-Sector :				
Language : English				
Appeal				
<div><Appealing Point>It focuses on policy making such as international framework and Japan’s policy on Adaptation to Climate Change in 1st year, while it focuses on sectoral Adaptation approaches such as forecast of Climate Change, Impact Assessment on Climate Change, Sectoral vulnerability assessment (ex. agriculture, disaster prevention) in 2nd-3rd years.</div>				
Objective / Output		Target Organization / Group		
<div><Objective>The system to formulate or revise measures and policies about Adaptation to Climate Change will be strengthened in participant’s organization. <Outputs> (1)To understand the international framework and trends on adaptation to Climate Change. (2)To understand impact assessment, vulnerability assessment and forecast on Climate Change (3)To understand Japan’s policy, Japanese measures, technology and cases on adaptation to Climate Change. (4)To formulate an Action Plan for solving the problems on Adaptation to Climate Change in participant’s respective organizations. (5)To share and review the Action Plan(draft of measures and policies about Adaptation to CC) accross the participant’s respective organization.</div>		<div><Target Organization>a national governmental office which is in charge of policy making of adaptation to Climate Change <Target Group>1st year: a national governmental officer of policy planning of adaptation to Climate Change, preferably from Focal Point of UNFCCC. 2nd and 3rd year: a national governmental officer of implementation of adaptation to Climate Change and who has been cooperating with 1st year’s participant organization. Experien in the relevant field: have more than 3 years’ experience.</div>		
Contents		Program Period	2011 / 10 / 2 ~ 2011 / 10 / 29	
<div>【Preliminary Phase】To make Inception Report 【Core Phase in Japan】Presentation and discussion on Inception Report (1)～(3) Lectures, discussion, practical exercises and site visits •Overview of UNFCCC and place of adaptation,International framewokr of adaptation to Climate Change,Trend of international discussion on adaptation to Climate Change •Process of formulation and implementation of measures on adaptation,Observation and forecast of Climate Change,Impact Assessment on Climate Change,Sectoral vulnerability assessment (ex. agriculture, disaster prevention), Japan’s policy on Adaptation to Climate Change •JICA’s cooperation towards developing countries on Adaptation to Climate Change,Japanese measures, technology and cases on Aadaptation to Climate Change,Good practices of developing countries on Adaptation to Climate Change, PCM (Project Cycle Management) workshop (4)Making Action Plan to solve the problems on Aadaptation to Climate Change in respective countries 【Finalization Phase】(5)To make and submit Final Report(within 6 months since returning home country) and discuss draft of measures and policies about Adaptation to Climate Change in related organization</div>		Implementing Partner	Under Planning	
		JICA Center	JICA Tsukuba (Training&Partnership)	
		Cooperation Period	2011～2013	
		Remarks and Website	This Course newly starts this year.	

Development of Strategies on Climate Change 地球温暖化対策コース		PITD	Solution	1180572
Target Countries:		15 participants		
Sector : Environmental Management/Global Warming				
Sub-Sector :				
Language : English				
Appeal				
This program is designed for national governmental officers in charge of climate change issues or national focal point of UNFCCC to propose and make policies (draft) on Climate Change adaptation and GHG emissions.				
Objective / Output		Target Organization / Group		
【Objective】 To make draft plans for greenhouse gas emissions reduction and/or adaptation to Climate Change in participants' respective organizations. 【Outputs】 (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 share the Action Plan(draft policies on Climate Change Aadaptation and GHG emissions), which is drafted in Japan, in the participants' respective organizations.		【Target Organization】 A national (or local) governmental office which is involved in Climate Change issues and/or focal point of UNFCCC 【Target Group】 Current Duties : officer of national (or local) governmental office Experience in the relevant field: belong to her/his current department for mor than 1year		
Contents		Program Period	2012 / 1/ 9 ~ 2012 / 3 / 3	
【Preliminary Phase】 To make an Inception Report 【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 UNFCC 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 an Action Plan 【Finalization Phase】 •To share and discuss the Action Plan(draft) in the participant's organization, and to propose and make policies (draft) on Climate Change Aadaptation and GHG emissions. •To make and submit Final Report (within 6 months since returning home country)		Implementing Partner	Overseas Environmental Cooperation Center(OECC)	
		JICA Center	JICA Tsukuba (Training&Partnership)	
		Cooperation Period	2010~2012	
		Remarks and Website		

Ozone Layer Protection and the Global Warming Countermeasures～ Measures to Reduce the Controlled Substances of the Montreal Protocol and the Kyoto Protocol～ オゾン層保護と地球温暖化対策～モントリオール議定書と京都議定書規制対象物質の削減対策～		PITD	Solution	1180937
Target Countries:		6 participants		
Sector : Environmental Management/Global Warming				
Sub-Sector :				
Language : English				
Appeal				
Learn how to convert high global warming gases to lower gases effectively through introduction of Japan’s advanced experiences and technologies in order to complete the accelerated HCFC (hydrochlorofluorocarbon) phase-out scheduled under the Montreal Protocol as well as the Kyoto Protocol .				
Objective / Output		Target Organization / Group		
【Objective】 Understand international regulations for high-GWP gases (HCFC etc.) and the technical direction to collect and destruct fluorocarbons. Improve capacity of implementing the fund project to reduce HCFC. 【Expected Results】 Participants will be able to: (1) 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 present it. / (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 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 submit follow up questionnaire to report the progress of the activity presented in the project plan.		【Target Organizations】 Governmental organizations or related public organizations that are in charge of ozone layer protection and high-GWP gases reduction 【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.		
Contents		Program Period	2012 / 2/ 5 ～ 2012 / 2/ 11	
<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 participants have applied the knowledge obtained through the training course to domestic policies		Implementing Partner	Under Planning	
		JICA Center	JICA Tokyo(Industrial Dev.&Finance)	
		Cooperation Period	2010～2012	
		Remarks and Website		

Mitigation of Climate Change in the Southeast Asia and Oceania Region 東南アジア・大洋州地域 地球温暖化緩和対策		PRTD	Solution	1184088
Target Countries:Southeast Asia and Oceania Region		13 participants		
Sector : Environmental Management/Global Warming				
Sub-Sector :				
Language : English				
Appeal				
To strengthen capacity of participant’s organization to develop,implement and evaluate domestic mitigation to address Climate Change in a measureable, reportable, and verifiable (MRV) manner under Nationally Appropriate Mitigation Actions (NAMAs) for a national (or local) governmental office which is involved in Climate Change mitigation, preferably Focal Point of UNFCCC				
Objective / Output		Target Organization / Group		
【Objective】 To strengthen capacity of participant’s organization to develop, implement and evaluate domestic mitigation to address Climate Change in a measureable, reportable, and verifiable (MRV) manner under Nationally Appropriate Mitigation Actions (NAMAs). 【Outputs】 (1) To identity 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 an Action Plan(draft of NAMAs in an MRV manner) for tackling mitigation of Climate Change through elaborating strategies to mobilize and introduce mitigation technologies, which are suitable in local conditions.		【Target Organization】 A national (or local) governmental office which is involved in Climate Change mitigation, such as Focal Point of UNFCCC etc. 【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: have more than 3 years		
Contents		Program Period	2011 / 8/21 ~ 2011 / 9/23	
【Preliminary Phase】To make Inception Report 【Core Phase in Japan】(1)To make a presentation of Inception Report and discussion (2)(3)Lectures and practical exercises •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 an Action Plan 【Finalization Phase】•To share and discuss the Action Plan(draft of NAMAs in an MRV manner) in the participant’s organization •To make and submit Final Report (within 6 months since retuning home country)		Implementing Partner	Overseas Environmental Cooperation Center(OECC)	
		JICA Center	JICA Tsukuba (Training&Partnership)	
		Cooperation Period	2010~2012	
		Remarks and Website		

Capacity Development for Adaptation to Climate Change – Climate Change Analysis (Regional) South America Region 気候変動への適応に係る能力強化(地域別)南米地域		PRTD	Solution	1184105
Target Countries:South America Region		4 participants		
Sector : Environmental Management/Global Warming				
Sub-Sector :				
Language : English				
Appeal				
This program provides basic knowledge, technologies and strategies of Japan for evaluating climate change impact on rivers and making the suitable adaptive policy and development/management plans.				
Objective / Output		Target Organization / Group		
This program provides basic knowledge, technologies and strategies of Japan for evaluating climate change impact on rivers and making the suitable adaptive policy and development/management plans. -to understand concepts of climate change challenge in Japan -to examine technical aspects of climate change by exercise on Integrated Flood Analysis System (IFAS) -to deepen understanding by Field trip to the sites where mainstreaming of climate adaptation is practiced -to formulate a Sectoral Paper for the improvement of projecting climate change in each country		<Target Organization> Climate change impact assessment authorities or other related organizations of the countries that are responsible for river administration.		
Contents		Program Period	under planning	
Lecture: Principle of Disaster, Hydrological Observation, Hydrological Analysis, Climate Change Adaptation Strategies to Cope with Water-related Disasters in Japan, Climate Change Adaptation Strategies in Developing Countries, How to use GCM, IPCC and international activity on climate change projections, An overview of the KAKUSHIN program, Future projections of extreme precipitation using high-resolution climate models and its reliability evaluation, Future change in water balance. Practice: Basic on Rainfall-Runoff Analysis, Practice on climate change impact evaluation on rivers Report: To formulate a Sectoral Paper for the improvement of projecting climate change in each country		Implementing Partner	under planning	
		JICA Center	JICA Tokyo(Economy&Env.)	
		Cooperation Period	2010～2011	
		Remarks and Website	Suspended in 2011	

Promotion of Project Formulation of Clean Development Mechanism in Central Asia and Caucasus Region 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	1184280
Target Countries:Central Asia and Caucasus Region		5 participants		
Sector : Environmental Management/Global Warming				
Sub-Sector :				
Language : Russian				
Appeal				
This course aims to solve the problems which CDM related organizations have in the process of project formulation. Participants can learn what kind of project attracts the foreign investors, and what kind of role the DNA of host countries should play for the creation of attractive CDM projects. Although all the lectures will be given through Russian-Japanese interpretation, participants are required some competency in English for making PDD in exercise.				
Objective / Output		Target Organization / Group		
[Objective] The formulation and registration of CDM projects will be promoted in the respective countries. [Expected Outputs] 1. To grasp the problems which the CDM related organizations in their countries have in the process of project formulation (before coming to Japan). 2. The system to provide information for the stakeholders of CDM projects will be established in the respective DNAs. (the 1st year) 3. The guideline for the formulation of CDM projects considering the situations of the respective countries will be drafted. (the 2nd year) 4. The system to provide the consultation for the registration of CDM projects will be established in the respective DNAs. (the 3rd year) 5. 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).		[Target Organization] Designated National Authorities (DNA) or other corresponding organization like National Focal Points (NFP) and CDM related offices. [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.		
Contents		Program Period	2011 / 10 / 20 ~ 2011 / 11 / 18	
[Preliminary Phase] Formulation of Inception Report [Core Phase] Lecture, Practice, Observation, and Discussion on the following subjects. 1. To deliberate about the way of information service considering credit buyer's demand and experiences in leading host countries of CDM 2. 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. 3.To acquire various perspectives needed for the project formulation consultation through PDD formulation practice. 4. To make the action plan. [Finalization Phase] Organizational Approval of Action Plan, Submission of Progress Report.		Implementing Partner	ICETT	
		JICA Center	JICA Chubu	
		Cooperation Period	2009~2011	
		Remarks and Website		

Environmental City Planning through Community Participation 住民協働による環境都市づくり		PITD	Solution	1180007
Target Countries:		7 participants		
Sector : Environmental Management/Environmental Administration				
Sub-Sector :				
Language : English				
Appeal				
This course intends to provide know-hows of Minamata City on pollution control, waste management, and environmental education to formulate environmental city planning through community participation. It will be highly effective, if a country aims to develop waste management or promote environmental protection within a community.				
Objective / Output		Target Organization / Group		
<p><Object> Participants will be able to formulate and propose action plans to improve environment through community participation.</p> <p><Output> 1)Being able to explain how serious, how difficult to overcome, and how important to prevent pllution domages through learning experiences of Minamata City and Japan. 2)Being able to explain approaches towards sustainable society through collaboration with residents, enterprises, and governments, following Minamata City as a model. 3)Being able to explain how local governments promote environmental mind, and how they collaborate with community to conduct environmental education. 4)Being able to explain environmental policies in corresponding governorates. 5)Action plan is formulated, and its implementation is reported through final report.</p>		Government officers directly engaged in environmental policy making at local or central government, or NGO staffs working on environmental management, who are strongly interested in environmental administration based on community participation		
Contents		Program Period	2011 / 9/18 ~ 2011 / 10/22	
Participants will learn followings through lectures, site visits, and practices: •Overview of Minamata City as Eco Model City •Lessons from pllution •The municipal waste administration(Promotion of 3R etc.) •Preservation and treatment of natural resources •Coexistence of environment and economy •Environmentally-friendly lives and activities •Practices in environmental education and activities •Enlightment of environment to communities •National / prefectural policies •Local governmental policies •Formulation and presentation of action plan •Formulation fo final report		Implementing Partner	Minamata City	
		JICA Center	JICA Kyushu	
		Cooperation Period	2010~2012	
		Remarks and Website		

Pollution Control and Local Environmental Management 公害防止と地域環境管理		PITD	Solution	1180133
Target Countries: <div></div>		9 participants		
Sector : Environmental Management/Environmental Administration				
Sub-Sector :				
Language : English				
Appeal				
This is a practical training targeting for certain local areas where industrial pollution exists and the situation is serious without effective countermeasures.				
Objective / Output		Target Organization / Group		
<p>【Course Objective】</p> <p>The local government officer (who are in charge of the areal pollution control and environmental management) shall obtain the administrative management methodology on raising awareness, implementation of the practical countermeasures against actual environmental pollution cases.</p> <p>【Expected Module Outputs】</p> <p>(1)Comprehension of industrial pollution problems</p> <p>(2) Environmental improvement, Environmental Management</p> <p>(3) Enhancement of Capacity on local environmental management</p> <p>(4) Based on the each country’s situation, action plan to solve Enviromental Management Problem is composed.</p>		<p>Local government official where industrial pollution (mainly, air or water quality issue) is recognized. His/her office is expected to have the control rights on the source.</p> <ul style="list-style-type: none">•local government officers or technician of a nation al factory•5years or more experience in environmental protection, company advisor, pollution control & still in the similar position handling these jobs•graduate of univerisity•be proficient in English•factory which emit pollution is located in the area in charge		
Contents		Program Period	2011 / 8/21 ~ 2011 / 10/6	
<p>This is a practical training targeting for certain local areas with serious industrial pollution.</p> <p>[Preliminary Phase] Compiling Job Report</p> <p>[Core Phase in Japan](1)Comparing to the experience and status of Japanese pollution era, this chapter aims to promote the participants to have more consciousness upon the areal pollution (incl. medium & small scale one). Lecture but participatory discussion, analysis and presentation will be provided.</p> <p>(2)Review the concept of autonomous EMS. Introduce suitable EOP or CP technologies for the case studies reported by the participants. Incentives towards improvement such as ener-con, and social & economic approaches will be explained. Participants will settle feasible targets and their AP. (3)Areal environmental management will be focused. Hostile relationship among factory/company, government and local people will be wiped out and on the contrary, creates good relationship. Strategy of public participation to local environment management by each sector will be considered. (4)Composing Action Plan</p> <p>[Finalization Phase] Implementation of the action plan</p>		Implementing Partner	Int’l Center for Environmental Technology Transfer	
		JICA Center	JICA Chubu	
		Cooperation Period	2009～2011	
		Remarks and Website	This course aims to concrete solution to improve environmental problem by training in Japan. Thus the training contains self devotive activities like documentation and presentation.	

Environmental Impact Assessment in ODA Projects (EIA as a Tool for Sustainable Development) ODAにおける環境影響評価(持続可能な開発のための環境アセスメント研修)		PITD	Trainers	1180936
Target Countries:		18 participants		
Sector : Environmental Management/Environmental Administration				
Sub-Sector :				
Language : English				
Appeal				
Conduct training course dealing with the system and the case examples of Environmental Impact Assessment (EIA) in Japan and environmental considerations required in ODA project.				
Objective / Output		Target Organization / Group		
[Objective] This program is designed for examining authorities of Environment Impact Assessment (EIA) and implementing bodies of large-scale development projects which require EIA in National / Local Government or other relevant organizations. [Expected Result] (1) To be able to explain the basic concepts of EIA, necessary procedures and the difference in the EIA systems between Japan and their own country and to be able to understand the efforts of international aid agencies for environmental considerations and to explain the requirements expected in the development projects (2) To be able to explain necessary points of the EIA examination and necessary technical methods to conduct EIA (3) To be able to explain a process to conduct EIA smoothly and communication methods with residents etc.		<Target Organization> Examining authorities of EIA and implementing bodies of large-scale development projects which require EIA in National / Local Government or other relevant organizations <Nominee Qualification>1) technical administrative officers in charge of EIA and/or planning and implementation of large-scale development projects and ODA projects. 2) have basic knowledge and more than three years of working experience in EIA. 3)under 45 years of age. Be university graduate, or have equivalent background in the field		
Contents		Program Period	2011 / 11 / 6 ~ 2011 / 12 / 3	
[Preliminary Phase] Submission of Inception Report and Questionnaire [Core Phase] Purpose and concept of EIA and the EIA system in Japan. The outline of ODA and the safeguard policy of the international donors including JICA. The policy of the baseline survey, prediction, and assessment for EIA. The methodology of survey, prediction, evaluation and the mitigation measures in examples of Japan’s EIA. Examination system of EIA in Japan, key points of examination (how to check EIA report), case studies. Process and communication methods required for EIA etc. [Finalization Phase] Development of a plan to conduct EIA based on specific development projects (exercise), Discussion on the improvements of the above plan and points of the examination, Discussions on the improvement of the EIA system in their own countries		Implementing Partner	Under Planning	
		JICA Center	JICA Tokyo(Economy&Env.)	
		Cooperation Period	2010～2012	
		Remarks and Website		

Mega-City Environmental Policy and Environmental Management System 大都市地域環境政策・環境マネージメントシステム		PITD	Solution	1180992
Target Countries:With the mega-cities with more than 1 million people		10	participants	
Sector : Environmental Management/Environmental Administration				
Sub-Sector :				
Language : English				
Appeal				
The training program is designed so that the participants understand the importance of environmental problems in megacities and improve their capacity for formulating environmental policis/plans for solving the problems.				
Objective / Output		Target Organization / Group		
Program objective:Ability of participants will be improved for development and implementation of environmental management plans taking into account specific local pollution problems and global environmental problems. Expected Module Output: (Preliminary Phase)0.Country Reports are prepared in participants’ home countries. (Core Phase) 1.Environmental problems are shared among participants by the presentation of Country Reports. / 2.Priority issues of participating organization will be identified through lectures about history and case study of environmental problems in Japan/Osaka and also through discussion among participants./ 3.Participants will learn the methodologies for development of environmental management plans at the both levels of specific pollution control measures and cross cutting environmental issues. / 4.Participants will understand Environmental Management System./ 5.Action Plans will be prepared. (Finalization phase)6. Action Plans will be shared and examined in participating organization.		- Technical, planning and management officers in the relevant field such as environmental management and urban living for a specific mega-city, who are working at central and local governments or public institutions. -Two persons per year, totally six persons for this three year training program from each participating country. (Example: One city government official working on waste management and another working on air pollution control in the same city) - at least 5 years’ experience of environmental management, 25-45 of age		
Contents		Program Period	2011 / 6/ 6 ~ 2011 / 7 /30	
-Preparation and presentation of Country Report -History and Experience for Pollution in Osaka City and Japan (Air Pollution from stationary source, Automobile pollution, Water Environment, and Solid Waste): History of Environmental Administration of Japan, Experience of Osaka City in Urban Environmental Management, Environmental Issues and Socio-Economic System in Developing Countries -Institutional Frameworks, Environmental Education, etc. : Biodiesel Fuel System by Local Government, Japanese Eco-town policy and visit to Osaka Eco-town site, Nature Conservation Area -Planning for environmental management plan (specific pollution control measures and cross cutting environmental issues): Environmental management plan of Osaka City (Environment Law and Ordinances), Countermeasures for Environmental Pollution in Mid and Small-Sized enterprise, Motor Vehicle Pollution Control in Osaka City -Environmental Management System in Japanese Enterprises: EMS (ISO14001) in Japanese Enterprises -Action Plan preparation, presentation, discussion, sharing and improvement of Action Plan in the participating organization, submission of Follow-up Report describing progress of Action Plan		Implementing Partner	Global Environmental Centre Foundation	
		JICA Center	JICA Osaka	
		Cooperation Period	2010~2012	
		Remarks and Website		

Industrial Pollution Control Management 産業環境対策		PRTD	Solution	1184021
Target Countries:Asia, Latin America and Europe		10 participants		
Sector : Environmental Management/Environmental Administration				
Sub-Sector :				
Language : English				
Appeal				
The participants can learn about environmental technologies and measures through pollution controls, and the roles of the government, research organs and firms through abundant cases.				
Objective / Output		Target Organization / Group		
<p><Course Objective> Government departments in charge of industrial environmental management will draw up improvement measures for the environmental problems which each country faces.</p> <p><Objective for each unit> 1. To master air pollution control administration and pollution control technique, and propose a solution for the issue. 2. To master water pollution control administration and pollution control technique, and propose a solution for the issue. 3. To master waste disposal administration and recycling technique, and propose a solution for the issue 4. To master environment improvement technique, and propose a practical action plan for the department to which participants belong</p>		<p><Target Organization>Departments of the government / municipal offices in charge of industrial environmental management <Expected Job Title>administrative officers in charge of industrial environmental management in the government / municipal offices <Expected Job Experience>more than 5 years of occupational experience in the field of environmental management <Other Qualifications>be a university graduate, majoring in engineering, or the equivalent</p>		
Contents		Program Period	2012 / 1/15 ~ 2012 / 4/27	
<p><Preliminary Phase> Preparation of Reports on responsibilities and challenges of participating organization <Core Phase in Japan> This phase consists of the following components. 1. Air pollution Control: Administration, Dust collection, Exhaust gas treatment, Environmental measures of city gas industry, Environmental pollution control measures of chemical industry etc. 2. Water pollution Control: Administration, Swage treatment plant, Environmental facility engineering, Water quality monitoring, Treatment technology of industrial wastewater and sewage, Construction, operation and maintenance of Johkaso system for treatment of domestic waste water etc. 3. Solid Waste Disposal: Incineration of municipal solid waste, Industrial waste administration, Waste recycling business (Eco-town), Inland reclamation disposal, Compost etc. 4.Environment Improve Technique: EIA, Environmental education, Role for governments, Environmental regulation in Japan, Cleaner Production, Formulation & Presentation of Job Report & Action Plan etc. <Finalization Phase> Review Action Plan(AP) and make a report on its progress.</p>		Implementing Partner	Under Planning	
		JICA Center	JICA Kyushu	
		Cooperation Period	2011~2013	
		Remarks and Website		

Enhancement of Administrative Capacity for Promoting Environmental Education 環境教育推進のための行政能力強化		PRTD	Solution	1184290
Target Countries:Chile		8 participants		
Sector : Environmental Management/Environmental Administration				
Sub-Sector :				
Language : Spanish				
Appeal				
This training aims to formulate plans for introduction of environmental education through learning the case of Nishinomiya City.				
Objective / Output		Target Organization / Group		
【Objective】 The action plan for promoting the environmental education model which developed in the JICA technical cooperation project at each municipality will be shared in the trainee’s organization. 【Outputs】 (1)Through formulation and presentation of job reports and following discussion, trainees can clarify the challenges for promoting environmental education in their areas (2)Trainees can explain the concept of ESD(Education for Sustainable Development) and current situation of ESD in Japan (3)Trainees can explain the activities related to environmental education in Nishinomiya City (4)Trainees can figure out their challenges and formulate action plans to solve them. (5)Trainees can develop their action plans after they go back and share in their organizations		【Target Organization】 CONAMA, City Government 【Target Group】 those who understand and promoting outputs of JICA project in Chile from November 2007 to October 2010 “Development of Environmental Education model to Strengthen Local Capabilities”		
Contents		Program Period	2012 / 2 / 12 ~ 2012 / 3 / 3	
(1)To formulate and present job reports (2)•The workshop for basic understanding of ESD •Lectures of current situation of ESD in Japan (3)•Lectures of an environmental policy in Nishinomiya City •To visit schools for viewing the environmental learning •To visit waste disposal centers and private businesses’ activities for waste reduction •Discussion with Eco-community members (4)•To study a method of action plan formulation •To formulate and present action plans		Implementing Partner	Under Planning	
		JICA Center	JICA Hyogo	
		Cooperation Period	2009～2011	
		Remarks and Website	Thia Course is closly connected with on going Technical Cooepration Project in Chile.	

Environmental Technology for Low-Carbon Society 低炭素化のための環境技術		PRTD	Solution	1184316
Target Countries:Asian countries		10 participants		
Sector : Environmental Management/Environmental Administration				
Sub-Sector : Urban/Regional Development/Other Urban and Regional Development Issues				
Language : English				
Appeal				
This program intends to promote transfer of environmental technologies, such as energy conservation, resource saving, and cleaner production, in addition to social technologies like 3R promotion and environmental education. Participants will have wide opportunities to observe related activities and technologies through observations & events held during the training period.				
Objective / Output		Target Organization / Group		
<p><Course Objective> Participatans will be able to formulate & propose action plans to introduce Low-carbonization systems & techniques, utilizing the program.</p> <p><Objective for each unit> (1) Being able to explain about global environmental issues and challenges towards low-carbonization. (2) Being able to explain about overview of national / local environmental policies in Japan. (3) Being able to explain environmental / social technologies applicable in each country. (4) Being able to formulate & propose Action Plan to introduce environmental / social technologies to each country.</p>		<p>(1) Current Duties: Staffs of department of city planning or industries in the local government, which are in charge of promotion of environmental technologies. (2) Experience in the relevant field: have more than 5 years’ experience in the field mentioned above (1). (3) Age: be under 50 years of age</p>		
Contents		Program Period	2011 / 9/25 ~ 2011 / 10/22	
<p>Participants will learn following contents through lectures, site visits, discussions and presentations.</p> <p>(1) Global environmental systems and international framework, Developing countries and challenges for global worming (2) Pollution control in Japan, Environmental administration in Kitakyushu City (3) Kitakyushu Asian Center for Low Carbon Society project, Energy / resource saving technologies, Cleaner production, City planning, Awareness raising (4) Action Plan formulation & presentation, submitting progress report</p>		Implementing Partner	Under Planning	
		JICA Center	JICA Kyushu	
		Cooperation Period	2011～2013	
		Remarks and Website		

Effluent Pollution Control Caused by Mining and Manufacturing Industries for Central and South America 中南米地域鉱・工業による廃水汚染対策		PRTD	Solution	1184246
Target Countries:Central and South America		20 participants		
Sector : Environmental Management/Mine Pollution				
Sub-Sector :				
Language : Spanish				
Appeal				
Participating countries will consider effective measures to reduce or prevent environmental destruction by effluent from mining and manufacturing.				
Objective / Output		Target Organization / Group		
[Program Objective]Effective and tangible action plan to prevent environmental destruction by hazardous substances included in effluent from mining and manufacturing industries will be formulated with close coordination among the related organizations that take charge of the control of the effluent regulation. [Expected Module Output] (Preparatory Phase) 1) Problems and issues of effluents from mining and manufacturing industries are clarified. (Phase in Japan) 2) Problems and issues in participating countries will be sorted out 3) Problems and issues of wastewater pollution countermeasures will e identified thorough the case study of mining pollution and comparison of the regulations/ policies of Japan and participating countries 4) Draft action plan as a team will be prepared 5) International common perception of the problem of waste effluent pollution will be developed. (Finalization Phase) 6) The action plan as organizations will be considered.		- Central government ministries and local government offices responsible for monitoring the wastewater discharge through mining and industrial activities. -A team must consist of three persons belonging to different ministries and / or municipalities -Each team must include at least one official administrator and / or an engineer. -If a team consists of fewer than three persons and / or people of these same organization, that team will be disqualified from selection. - Experience: 5 years, Age: under 50		
Contents		Program Period	2011 / 11 / 14 ~ 2011 / 12 / 17	
- Preparation of country reports - Institution and policy: environmental administration in Japan (central and local government), mining and mine pollution in Japan, Mine Safety Act, Measures for hazardous metal, countermeasures and compensation issue of pollution-related diseases, - Case study: Prevention of heath damage by factory effluent (Minamata disease), inorganic and organic wastewater treatment, - Action Plan preparation, presentation, discussion, sharing and improvement of Action Plan in the participating organization, submission of Follow-up Report describing progress of Action Plan		Implementing Partner	Global Environment Centre Foundation	
		JICA Center	JICA Osaka	
		Cooperation Period	2010~2012	
		Remarks and Website	Global Environment Centre Foundation Website: http://gec.jp/	

Chemical Management Policy – Reflecting International Discussion – 国際的な化学物質管理に対する国内制度の対応		PITD	Solution	1180026
Target Countries:		10 participants		
Sector : Environmental Management/Other Environmental Management Issues				
Sub-Sector :				
Language : English				
Appeal				
1. Understanding demands in the international community and learning major countries’ responses 【Key words: the WSSD target, POPs, PIC, the Chemical Substances Control Law】 2. Learning chemical management method in private sector and government’s promotions in Japan 【Key words: responsible-care, supply-chain, article management promotion】 3. Formulating an action plan to be reflected on a national policy and its evaluation.				
Objective / Output		Target Organization / Group		
<p><Course Objective> To understand the latest movement of an international chemical regulatory/management system and to formulate an Action Plan with an aim to reflect required knowledge on domestic management system that should consequently be taken into an organizational consideration. <Objective for each unit> 【1】 (Prior activities) Analyzing and presenting current situation of chemical management policy. 【2】 Learning basic idea and identifying problems of chemical management and being able to make comparison between own country and the world. 【3】 Learning international movements and actions, and identifying actions expected to be taken in own country. 【4】 Identifying required actions for industry sectors in each country in a globalized environment. Being able to explain expected actions based on the knowledge obtained from lectures as well as site visits. 【5】 Identifying issues and problems in domestic chemical management system and forging solution plans. 【6】 (Follow-up activities) Reviewing the proposed solutions in each country.</p>		<p><Target Organization> Authorities which are responsible for planning national chemical management policy in the central government. <Expected Job Title> Administrative officials who are in charge of planning and executing chemical management system in the central government. <Expected Job Experience> Officials who have experiences in chemical management for five years or longer. <Other Qualifications>•Possess enough English language skill in the specialized field.</p>		
Contents		Program Period	2011 / 11 / 6 ~ 2011 / 11 / 19	
<p>—Classifying chemical management policy and extracting problems in each country, raising awareness towards issues and making a presentation. —Out line of chemical management system —Chemical management system in Japan (focusing on the 2009 amendment of the Chemical Substances Control Law) —Chemical management systems in major countries (US and EU) —International discussion/actions on chemical management e.g.: Stockholm Convention on Persistent Organic Pollutants, Rotterdam Convention on the Prior Informed Consent, Globally Harmonized System of Classification and Labeling of Chemicals (GHS) —Responsible-care activities in industry sectors in Japan —Article management promotion by circulating chemical components information through supply-chain —Site visits —Formulation, presentation and evaluation of an action plan —Examining the proposed action plan within organization</p>		Implementing Partner	Ministry of Economy, Trade and Industry	
		JICA Center	JICA Tokyo(Industrial Dev.&Finance)	
		Cooperation Period	2011～2013	
		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	1180106
Target Countries: countries requested and pareparing for Japan’s ODA Loan project		20 participants		
Sector : Environmental Management/Other Environmental Management Issues				
Sub-Sector :				
Language : English				
Appeal				
2 weeks’ intensive course with lectures, exercises and site visits for the officers in charge of Environmental and Social Consideration (ESC) in Japan’s ODA loan projects. JICA experts and officers of JICA Headquarters will be directly involved in making curriculum and provide lectures. The importance of this training becomes higher along with the enforcement of JICA Guidelines for Environmental and Social Considerations on April 2010.				
Objective / Output		Target Organization / Group		
【Objective】 This course aims at enhancing the capability of the officers in charge of Environmental and Social Considerations (ESC;e.g. preparation of EIA, SEA, and/or RAP, implementation of environmental and social mitigation measures, and monitoring activity) to implement appropriate ESC and helping them to acquire the requirements for implementation of a Japan’s ODA Loan project 【Expected Result】 (1) To be able to explain the necessity of adequate ESC referring to lessons from experience of ODA projects (2) To be able to explain outline of guidelines of ESC required for a Japan’s ODA loan project (3) To understand the fundamental ideas of ESC and to be able to explain their proper procedure of environmental and social consideration and technical points for their implementation (4) To identify and raise the issues and measures to promote proper ESC in their countries		【Target Organizations】 (1) Implementing body of a Japan’s ODA Loan Project (or a proposed project), which requires ESC (2) the implementation body of the EIA 【Target group】 <title> Director, assistant director or equivalent <Experience> More than five years experience in the EIA field such as in the divisions in charge of ESC or EIA <Other>Countries which has requested and is preparing for Japan’s ODA Loan Project		
Contents		Program Period	under planning	
[Preliminary Phase] Formulatio of Inception Report		Implementing Partner	Vision&Spirit for Overseas Cooperation Co., Ltd.	
[Core Phase] (1) Experience of environmental and social consideration for ODA projects and its lessons, large scale development project in Japan, Cost–benefit analysis in conducting ESC (2) Outlines of JICA Guidelines for Environmental and Social Considerations, Case study on Japanese ODA projects (3) Overviews of ESC, EIA Process excercise (Screening, Scooping, Mitigation, Public Hearing & Transparency /Accountability, Monitoring & Follow-up) (4) Country Report Presenation, Case Study, Environmental Assessment law in Japan,			JICA Center	JICA Tokyo(Economy&Env.)
		Cooperation Period	2011～2013	
		Remarks and Website		

Sewage Works Engineering and Stormwater Drainage Technology 下水道技術・都市排水		PITD	Solution	1180779
Target Countries:		17 participants		
Sector : Environmental Management/Other Environmental Management Issues				
Sub-Sector :				
Language : English				
Appeal				
This program is designed for governmental organization on sewage works to achieve consensus for challenges on sewage works engineering and stormwater drainage among the related persons and clarified the points on implementing projects and business for the solution.				
Objective / Output		Target Organization / Group		
[Objectives] This program aims at achieving consensus for challenges on sewage works and stormwater drainage management among the related persons and clarified the issues on implementing projects and business for the solution. [Expected Results] (1) To understand and explain the related factors and procedure/methods for the designing/implementation of sewage works engineering and stormwater drainage technology (2) To analyze the challenges on sewerage and/or stormwater drainage works in relevant organization and formulate an improvement plan (3) To achieve consensus for challenges on sewage and/or stormwater drainage works among the related persons and clarify the issues on implementing projects and business for the solution		<Target Organization>Administrative organizations concerning with sewage works engineering and stormwater drainage technology <Target Group> (1) To be senior technical officers engaged in sewage works and/or storm water drainage in central or local governments (2) To have more than three (3) years of experience in sewage works and/or storm water drainage technology (3) To be university graduates or persons who have equivalent technical qualifications in the field of sewage works and/or storm water drainage (4) To be under forty (40) years of age etc.		
Contents		Program Period	2011 / 9 / 25 ~ 2011 / 12 / 15	
[Preliminary Phase] Formulation of the Country Report [Core Phase] The participants can indentify the issue of their organization through making their country reports and lectures in Japan. They will also make up the improvement plan on their issue by advice and instruction of tutor, and make presentaion on their improvement plan. [Finalization Phase] The participants will make presentaion to their related persons in their organization about their improvement plan, and make report on their progress about their plan within six months.		Implementing Partner	Sewerage Business Management Centre	
		JICA Center	JICA Tokyo(Economy&Env.)	
		Cooperation Period	2010～2012	
		Remarks and Website		

Environmental Education Focused on Fresh Water Environment –For Tertiary Level Teaching Staff– 水環境を主題とする環境教育		PITD	Trainers	1180991
Target Countries: <div></div>		10 participants		
Sector : Environmental Management/Other Environmental Management Issues				
Sub-Sector : Nature Conservation/Other Nature Conservation Issues				
Language : English				
Appeal				
The training aims at diffusion and development of environmental education (EE) with a focus on water environment in participating countries through the training about framework, contents, methodologies of EE with case studies and site visits. This program offers the EE program focusing on the fresh water environment and water pollution problems, but not seawater environment and/or water shortage problems.				
Objective / Output		Target Organization / Group		
[Program Objective] To implement the action plan for solving problems and issues of the participating countries/ organizations based on the final report prepared in Japan [Expected Module Output] 1. To understand the concept and theory of EE through country report presentation, basic lectures on environmental problems, visits to sanitation facilities in Japan and lectures on concept and principle of EE. 2. To acquire the ability to develop the curriculum of EE through lectures and practices. 3. To prepare a draft action plan reflecting the situation of the participating countries through information exchange among participants and private guidance by lecturers.		1) University/ college lecturer or the equivalent * This course is focused on primary and secondary education 2) University/College lecturers or equivalent, engaged or expected to be engaged in environmental education 3) have more than 3 years experience in the field of EE 4) Age: under 40 5) English: have a competent command of spoken and written English which is equal to TOEFL 70 (iBT) or more		
Contents		Program Period	2011 / 8/22 ~ 2011 / 10 / 15	
[Output 1] – Preparation and presentation of Country Report – Basics of environmental problem: pollution experience of Lake Biwa, basics of environmental problems (environmental economics, citizen participation, air pollution), lake ecology – Sanitation facilities in Japan: drinking water/ sewage treatment, solid waste treatment – Concept and principle of EE: introduction and practical research of EE, ESD and EE [Output 2] – Contents and texts of EE: education system in Japan, Double-bind theory and EE, EE methodology, lake environment practice, awareness of environmental citizenship, agriculture and forestry and EE – Development of EE – Know how of international EE diffusion: dioxin problem in Vietnam Network with citizen– school– government: Lake Biwa Museum, Oba River Exploration, citizen participation, lectures and interaction with school teachers, participation in classes of Japanese schools [Output 3] Preparation and presentation of draft Action Plan: lecture by participants, Action Plan (individual discussion, evaluation, preparation and presentation)		Implementing Partner	International Lake Environment Committee	
		JICA Center	JICA Osaka	
		Cooperation Period	2010～2012	
		Remarks and Website	Website of ILEC: http://www.ilec.or.jp/eg/index.html	