







Seminar on Road Administration 道路行政セミナー		 Multi-participants  Multi-year         J0600949	
OBJECTIVE		TARGET ORGANIZATION / GROUP	
<p>The program objective is to enhance capacity of road planning of middle-level officers who are in charge of road planning for the target organizations. To achieve the objective, the participants' outputs are as follows:</p> <p>(1) understand the process of road planning and points to consider thereof            (2) understand the effects of road development, the way to grasp them and the evaluation method of the project            (3) understand the process of road structure planning (including bridges and tunnels) and points to consider thereof            (4) understand road design standards and their applications</p>		<p>[Target Organizations:] Government or Government-related organizations responsible for formulation of road planning</p> <p>[Target Group:]            (1) Mid-level officer in charge of road planning and expected to be assigned to the leading position in the future            (2) University graduate specialized in civil engineering or equivalent            (3) 35 years old or younger (desirable)</p>	
CONTENTS		PROGRAM PERIOD	Oct.17.2006 ~ Nov.18.2006
<p>&lt;Preparatory Phase in home country:&gt; Learning "Road in Japan" through the Web site</p> <p>&lt;Program in Japan:&gt;            •Modules            (1) Road Planning            (2) Road Network Planning            (3) Road Traffic Economy            (4) Planning of Road Structures (bridges and tunnels)            (5) Road Structure Ordinance            •The program is composed of report writing/presentation, road network practice, site visits of general roads and highways, observation of research institutions as well as lectures.            •Details are subject to change.</p>		IMPLEMENTING PARTNER	ROAD BUREAU, MLIT
		JICA CENTER	Tokyo International Center
		COOPERATION PERIOD	2005 ~ 2009
		REMARKS	The level and contents of the program is suitable for middle-level officers.


Seminar on Aviation Security 航空保安セミナー		 Multi-participants  Multi-year         J0600318	
OBJECTIVE		TARGET ORGANIZATION / GROUP	
<p>The purpose of this seminar is to provide alternative methods to improve aviation security by providing fundamental knowledge of aviation security practiced in Japan. Participants are expected to identify aviation security problems, and seek the effective measures for respective countries by:</p> <p>(1) Understanding the importance of aviation security through the Japanese system and experiences,            (2) Acquiring basic knowledge of the practices on aviation security and security control systems as well as equipment used in Japan</p>		<p>(1) University graduate or have the equivalent academic background            (2) Currently responsible to the aviation security with more than five years of occupational experience            (3) Age: 30-40 years old</p>	
CONTENTS		PROGRAM PERIOD	Jan.16.2007 ~ Feb.17.2007
<p>The following subjects will be covered in this program through lectures, observations and discussions;</p> <p>(1) Civil Aviation in Japan            (2) Airport Management System            (3) Preventive Measures for Acts of Unlawful Interference Against Airplanes            (4) Concrete Preventive Measures for Acts of Unlawful Interference Against Airplanes in Japan            (5) Countermeasures for Hijacking</p>		IMPLEMENTING PARTNER	CIVIL AVIATION BUREAU, MLIT
		JICA CENTER	Yokohama International Center
		COOPERATION PERIOD	2006 ~ 2010
		REMARKS	


Seminar on Air Traffic Management 航空交通管理セミナー(18年度休止)			Multi-participants	J0600400
Transportation—International / Inter-regional Transportation 10 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
(1) To understand the administrative system of civil aviation in Japan, (2) To understand the development and present situation of Air Traffic Services in Japan, (3) To understand the development and present situation of Air Traffic Control Services in Japan, and (4) To review the problems of Air Traffic Control Services and Air Traffic Services in the Country of each participants		(1) Have no less than 3 years of experience in the field of Air Traffic Management (2) Air Traffic Controller who is expected to be engaged in the management of Air Traffic Control (ATC) or Air Traffic Services (ATS) in Air Traffic Control organizations in the future is preferable. (3) Age: under 40 years old		
CONTENTS		PROGRAM PERIOD	May.9.2006 ~ Jun.24.2006	
(1) Civil Aviation and Transportation in Japan (2) Air Traffic Services at Present and in the Future (3) Air Traffic Management in Japan (4) Country Report Presentation (5) Observation at Airports, Area Control Centers (6) Study Report Presentation		IMPLEMENTING PARTNER	CIVIL AVIATION BUREAU, MLIT	
		JICA CENTER	Tokyo International Center	
		COOPERATION PERIOD	1981 ~ 2009	
		REMARKS	This program is conducted biyearly. Next seminar will be held in fiscal year 2009.	


Information Management for Maritime Activity and Disaster Prevention (Internationally Accredited for Hydrographic Survey) 海洋利用・防災のための情報整備			Multi-participants	Multi-year	J0600713
Target Countries: Maritime countries					
Transportation—International / Inter-regional Transportation 10 participants / English					
OBJECTIVE		TARGET ORGANIZATION / GROUP			
To reach the objective, participants are expected to achieve following result; (1) get certificate in international category B as Hydrographic Survey. (2) progress in protecting from marine disaster (Tsunami), use the hydrographic data for maritime disaster and understand about earthquake, tsunami and how to make prevention plan. (3) progress in protecting marine environment. (4) acquire the knowledge of concepts of GIS and use the hydrographic survey data for maritime activities.		[Target Organization:] National hydrographic offices or other pertaining organizations responsible for carrying out hydrographic survey of sea [Target Group:] At least 2 years of occupational experience. 2 years program of mathematics and physics at least on the level of technical college, Under 40 years old.			
CONTENTS		PROGRAM PERIOD	May.9.2006 ~ Dec.9.2006		
The program will be conducted in the form of lectures, practice, field training, and study tour. Details are follows; (1) Hydrographic Survey (INTERNATIONALLY ACCREDITED CATEGORY B) (2) Computer (Programming, Database, etc.) (3) GIS (Hazard Map against Tsunami) (4) Tsunami, Earthquake (5) Marine Environment (6) on board training		IMPLEMENTING PARTNER	Hydrographic and Oceanographic Department		
		JICA CENTER	Tokyo International Center		
		COOPERATION PERIOD	2006 ~ 2010		
		REMARKS	This program will be the same as "Hydrographic Survey training program" with a little change, which was carried out until 2005.		


Seminar on CNS Technology 航空通信・航法・監視(CNS)技術セミナー		Multi-participants		J0600744
Transportation—International / Inter-regional Transportation 7 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
Participants are expected to achieve following result;  (1) understand the problems of current air navigation / air traffic control system, (2) understand fundamental knowledge on New navigation System and transition planning toward the new system (3) obtain techniques for the development of original master plan for each country's new CNS (Communication, Navigation, and Surveillance) system		[Target Organization:] National Air Traffic Offices or pertaining organizations responsible for carrying out air navigation or air control  [Target Groups:] (1) have more than 5 years' occupational experience in the field of current air navigation and air traffic control system (2) experienced in designing the air navigation and air traffic control system (3) Under 40 years old		
CONTENTS		PROGRAM PERIOD	Jul.4.2006 ~ Aug.4.2006	
The program will be conducted in the form of lectures, sites observation. Details are follows; (1)Problems of the current system (2)New Navigation System (New CNS System Based on FANS Concept ,New Communication System ,New Navigation System ,New Surveillance System) (3)Implementation plan for CNS in Japan (Outline, Communication System, Navigation System, Surveillance system ,Application for New System ,User Facilities ) (4)Facility Observation (5)Summary and Discussion		IMPLEMENTING PARTNER	Civil Aviation Bureau, MLIT	
		JICA CENTER	Tokyo International Center	
		COOPERATION PERIOD	2002 ~ 2010	
		REMARKS		

Maritime Search and Rescue and Disaster Prevention Course for Policy Planners 海難救助・海上防災		Multi-participants		J0600807
Transportation—International / Inter-regional Transportation 10 participants / English				
Target Countries: Maritime countries				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
The objective of this program is to provide participants with a knowledge of:  (1) An outline of the organization and services necessary to support maritime safety (2) Search and rescue (SAR) operation at sea (3) SAR facilities (4) Preventive activities against maritime disasters (5) Countermeasures against marine pollution by oils and hazardous and noxious substances (6) Safety measures for maritime traffic (7) Response to natural disasters and to enable participants to plan a search and rescue (SAR) operation.		(1) University graduate or equivalent with at least 5 years of work experience in the field of maritime search and rescue and/or marine disaster prevention (2) Presently engaged in the above-mentioned field (3) Age: Under 40 years old		
CONTENTS		PROGRAM PERIOD	Jul.31.2006 ~ Nov.11.2006	
•Lectures: (1) Organization and function of JCG (2) Theory of SAR and maritime disaster prevention (3) Maritime search and rescue activities under the International Convention on Maritime Search and Rescue, 1979 (4) Maritime search and rescue system in Japan (5) Method of rescue of a capsized ship and a grounded ship (6) Global Maritime Distress and Safety Systems (GMDSS) (7) Prevention of marine pollution system (8) JCG's activities on maritime disaster prevention (9) Outline of countermeasure against HNS (10) Current international framework against oil spill incidents (11) Case studies of maritime disasters (12) Safety measures for maritime traffic •Practice: a) Experimental patrol on a JCG's patrol vessel b) Basic First Aid training c) Table-top exercise of SAR & Maritime Disaster Prevention operation d) Training for maritime disaster prevention at the Maritime Disaster Prevention Center		IMPLEMENTING PARTNER	JAPAN COAST GUARD	
		JICA CENTER	Hyogo International Center	
		COOPERATION PERIOD	2003 ~ 2007	
		REMARKS	A compulsory intensive Japanese language program will be conducted prior to the technical training.	

Seminar on Airport Engineering Policy 空港技術・政策セミナー		 Multi-participants    Multi-year    J0600878	
Transportation—International / Inter-regional Transportation 10 participants / English			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
Participants are expected to identify the existing problems in their airports and suggest alternative policies for airport engineering by:  (1)Understanding the airport system and policies in Japan (2)Understanding airport construction, planning, maintenance, administration and management in Japan (3)Examining administration system in the privatized airports (4)Examining measures for improving the airport safety	(1)University graduate in Civil Engineering, Architecture, Electrical or Mechanical Engineering or have an equivalent knowledge (2)Have more than 5 years of occupational experience in the field of airport engineering(civil, architectural, mechanical or electrical) (3)Under 40 years old		
CONTENTS	PROGRAM PERIOD	Oct.24.2006 ~ Dec.16.2006	
The following subjects will be covered in this program through lectures, observations and discussions on;  (1)Overview of Airport Engineering Policy Civil Aviation, Airport Projects, Civil Aviation Policy (2)Airport Technology Airport Planning, Designing, Construction and Maintenance of Airports (3)Airport Operations Airport Operation Strategy, Modernization, Environmental Considerations, Privatization (4)Global Trend on Airports Airport Security	IMPLEMENTING PARTNER	THE OVERSEAS COASTAL AREA DEVEL,INSTITUTE OF JAPAN	
	JICA CENTER	Yokohama International Center	
	COOPERATION PERIOD	2004 ~ 2008	
	REMARKS		



International Maritime Conventions and Ship Safety Inspection II 海事国際条約及び船舶安全検査 II		 Multi-participants    Multi-year    J0600977	
Transportation—International / Inter-regional Transportation 10 participants / English			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
The purpose of the program is to provide fundamental and practical knowledge of international maritime conventions and applicable technology and procedure of ship inspection in accordance with the requirements of international standard. Through the program, participants are expected to:  (1) have appropriate technical knowledge and understand the related requirements of IMO conventions to promote ship safety inspection (2) understand the Japanese ship safety inspection system	(1) Administration official in the field of ship safety (ship inspectors, PSC officers etc.) (2) Have a graduate degree in engineering or equivalent with at least one year experience (3) Under 40 years old		
CONTENTS	PROGRAM PERIOD	Jul.11.2006 ~ Nov.18.2006	
This program consists of:  (1) Japanese language lesson (2) Presentation of Country Report and Study Report (3) Technical lectures SOLAS I, II, III, IV, V, VI, VII, IX, XI, XII; MARPOL I, II, III, IV, V, VI; ILLC; Tonnage; COLREG; Plan Approval; Ship Survey; PSC (4) Practice Training The practice training will be implemented on the ship inspection for coasting service ships and also for ocean going ships at the local administration offices. (5) Observation and Study trip	IMPLEMENTING PARTNER	MARITIME BUREAU, MLIT	
	JICA CENTER	Yokohama International Center	
	COOPERATION PERIOD	2005 ~ 2009	
	REMARKS	A compulsory intensive Japanese language program will be conducted prior to the technical training for 50 hours.	



Sustainable Port Development and Planning 港湾開発・計画		 Multi-participants <input type="checkbox"/> Multi-year <input type="checkbox"/> J0600978	
Transportation—International / Inter-regional Transportation 15 participants / English			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
The program is designed to nurture qualified port and harbour related engineers who will contribute to the country's economic development through port development by controlling the effect, cost and the environmental impact in port development and planning.	(1) University graduate or equivalent academic background (2) Presently engaged in port and harbour-related civil engineering with more than 3 years of occupational experience (3) Under 40 years old		
CONTENTS	PROGRAM PERIOD	May.30.2006 ~ Sep.1.2006	
This program consists of lectures, exercises, observations, intensive field study at the Onahama Port and discussions. It covers:  (1) Basic Technology (Coastal engineering and marine hydraulics, geotechnical and structural mechanics, construction and control system) (2) Development, Strategy, Planning (Port and harbour policy, port and harbour planning, designing, and standards, information technology) (3) Maintenance and Environment (Good maintenance and effective use of existing port facilities, protection and assessment of environment, knowledge of coastal environment) (4) Global Trend on Ports and Harbours (Management and Operations)	IMPLEMENTING PARTNER	PORTS & HARBOURS BUREAU, MLIT	
	JICA CENTER	Yokohama International Center	
	COOPERATION PERIOD	2005 ~ 2009	
	REMARKS		


Maritime Education of Advanced Information Technology(Navigation) 情報技術応用海事教育(航海)		 Multi-participants <input type="checkbox"/> J0600743	
Target Countries: Maritime countries			
Transportation—National Transportation 5 participants / English			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
The objective of this program is to provide participants with knowledge and skills in education and training for maritime affairs, maritime service control and safety systems obligated or recommended worldwide by international treaties, and to improve their capabilities to be leaders in areas of maritime education, maritime administration, industries related to maritime affairs, etc., with the objectives of protecting the marine environment and preventing marine accidents.	(1) Have certificate of Third or Higher Grade Maritime Officer (navigator) with at least 1 year of experience, or equivalent (2) Age: 30-40 years old (3) Those who will foster mercantile officials or instructors who will play a leading role in this field (4) Good command of English		
CONTENTS	PROGRAM PERIOD	May.29.2006 ~ Dec.9.2006	
This program consists of common subjects for all participants, seminars at a laboratory (optional subjects), on-board practice and observation tours. (1) International maritime convention and disasters (2) Voluntary regulation for safe navigation (3) World shipping industry and shipping operation (4) Present education for seafarers (5) STCW'95 and its requirements for maritime institutes (6) Simulator training (7) Practice on board (8) Marine Disaster Prevention Training (9) Deck work management (10) Navigation information processing (11) Marine meteorology (12) International regulations and conventions (13) Safety transportation of ocean cargo (14) Maritime information network (15) Nautical information network (16) Terrestrial and electronic navigation (17) Marine environmental prevention (18) Cross cultural communication	IMPLEMENTING PARTNER	MARINE TECHNICAL COLLEGE	
	JICA CENTER	Hyogo International Center	
	COOPERATION PERIOD	2002 ~ 2006	
	REMARKS	A compulsory intensive Japanese language program will be conducted prior to the technical training.	

Shipping Administration 海運行政		Multi-participants		J0600791
Transportation—National Transportation 6 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>The objectives of this program is to promote development of shipping policy and administration with the understanding of:</p> <p>(1)The current stream of world shipping and Japanese shipping  (2)The government policy on shipping and shipping related sectors  (3)The roles and functions of agencies related to shipping administration and its cooperation  (4)The private activities of shipping and shipping related sectors  (5)The development of shipping policy</p>		<p>(1) College graduate, or have the equivalent academic background,  (2)Currently employed in national shipping office or other pertaining organizations which are responsible for carrying out shipping administration, with at least 10 years experience,  (3)Age: 35-50 years old</p>		
CONTENTS		PROGRAM PERIOD	Jun.13.2006 ~ Jul.27.2006	
<p>The following subjects will be covered in this program through lectures, observations and discussions;</p> <p>(1)Shipping Administration (Present situation of Japanese domestic shipping, present situation of international shipping, present situation of shipping related sectors such as seafarers and shipbuilding etc., policies and administration of shipping and shipping related sectors)  (2)Private Shipping Activities (Private shipping business, shipping management, insurance)  (3)Study Tour (Observation of cargo and passenger-ships, shipyards, ports, seafarers training facilities)  (4)Develop Shipping Policy (Country report presentation, international cooperation on shipping sector in developing countries, work report presentation)</p>		IMPLEMENTING PARTNER	JAPAN TRANSPORT COOPERATION ASSOCIATION	
		JICA CENTER	Yokohama International Center	
		COOPERATION PERIOD	2003 ~ 2007	
		REMARKS		


Maritime Education and Training for Safety Management(Engineering) 海事安全教育訓練(機関)		Multi-participants		J0600809
Transportation—National Transportation 5 participants / English				
Target Countries: Maritime countries				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>(1) To understand and cultivate of practical capabilities concerning methodology of education and training, and methods for evaluating capabilities that are required by new international treaties in the 21st century and based on knowledge and application of worldwide safety systems and control systems  (2) To acquire knowledge and skills of controlling the safe operation of vessels through the use of the Internet, IT utilization technologies and satellite communication systems</p>		<p>(1) Experience of service on the sea for 1 year or longer as a marine engineer or equivalent knowledge, skill and experience in operation, control or maritime education for 1 year or longer  (2) Age: 26-40 years old  (3) Knowledge and skills equivalent to those required for Second or Third Grade Maritime Officer, based on the '95 STCW treaty</p>		
CONTENTS		PROGRAM PERIOD	May.29.2006 ~ Dec.9.2006	
<p>(1) Marine engineering general  (2) Marine propulsion system design  (3) Marine propulsion system operation  (4) Marine propulsion system control  (5) Maritime safety and pollution prevention  (6) Advanced maritime technology  (7) Maritime education and training system  (8) Teaching pedagogics  (9) Computer  (10) Engine room simulator training  (11) Marine laws and international conventions  (12) ISM code and port state control  (13) Survey inspection of ships  (14) Practice on board  (15) Visiting maritime institutes  (16) Visiting factories  (17) Seminar at Laboratory (Special lectures, Professional subjects)</p>		IMPLEMENTING PARTNER	MARINE TECHNICAL COLLEGE	
		JICA CENTER	Hyogo International Center	
		COOPERATION PERIOD	2003 ~ 2007	
		REMARKS	A compulsory intensive Japanese language program will be conducted prior to the technical training.	

Seminar on Strategic Port Management 港湾戦略運営セミナー		 Multi-participants  Multi-year         J0600981	
		Transportation—National Transportation 8 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
(1) To enhance long-term policy-making capacity through acquisition of knowledge on port development strategy (2) To attain applicable knowledge on strategic operation on port and harbour to modernize port management (3) To acquire knowledge on strategic operation on port and harbour to modernize port management (4) To understand current issues and trends on world ports and harbours	(1) University graduates or equivalents (2) Currently engaged in port technical administration and/or management works with more than 8 years of occupational experience in the field of ports and harbours (3) Over 40 years old and hold executive position in port administration or management		
CONTENTS	PROGRAM PERIOD	Oct.17.2006 ~ Nov.25.2006	
(1) Port Development, Strategy, Planning Grand Design, Long-Term Development Strategy, Industry and Regional Development (2) Port Administration and Management Administration and Management System, Equipment Management (3) Port Operation Port Operation Strategy, Modernization of Port Operations (4) Global Situation and Trends on Ports and Harbours Globalization, International Conventions	IMPLEMENTING PARTNER	PORTS & HARBOURS BUREAU, MLIT	
	JICA CENTER	Yokohama International Center	
	COOPERATION PERIOD	2005 ~ 2009	
	REMARKS	In addition to port development management, this program emphasizes on long-term development strategy and operations in port management.	

Road Engineering and Administration 道路技術		 Multi-participants  Multi-year         J0603516	
Target Countries: Countries with less than 50% sealed roads (national average)		Transportation—National Transportation 5 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
The capabilities for road engineering and administration will be improved through acquiring comprehensive knowledge and know-how necessary for appropriate road administration and management. (See Remarks) To reach the objective, the participants are expected:  (1) To recognize the importance of survey and planning, and to acquire the methods (2) To understand the procedure of road designing and construction, and to acquire the key points for field work management (3) To understand the road maintenance, repair and management system in Sapporo City through practical exercises, and consider the applicability in respective countries (4) To understand the system of legislation, finance, and administration concerning roads in Japan, and to consider the applicability in respective countries (5) To apply the lessons learned through this curriculum and propose an action plan to solve the problems in respective countries	(1) Senior technical officers in charge of road administration or road construction management in central or provincial government bodies (2) At least 5 years, preferably about 10 years, of practical work experience (3) University graduate or equivalent academic qualification		
CONTENTS	PROGRAM PERIOD	Jul.11.2006 ~ Sep.16.2006	
Preparatory phase: A country report including the outline of roads, work experience, problems and obstacles is prepared. Curriculum in Japan: (1) Lectures: (a) Road planning (b) Road design (c) Road management (d) Road maintenance (2) Practical exercises: (a) Construction design (b) Road maintenance (c) Rainwater drainage (See Remarks) (3) Study tour: (a) Facilities concerning road management (b) Road planning and construction site (c) Asphalt and concrete plants (4) Presentation/Discussions: (a) Country report presentation (b) Action plan presentation (c) Discussions	IMPLEMENTING PARTNER	CONSTRUCTION BUREAU, CITY OF SAPPORO	
	JICA CENTER	Sapporo International Center	
	COOPERATION PERIOD	2006 ~ 2010	
	REMARKS	Overall work process on road administration will be introduced in this curriculum, and practical exercises will be conducted at relatively small district field offices, to give participants opportunities to deepen their understanding on the actual work process through hands-on practical exercises.	


<b>Regulation and Type Approval System for Safety and Environmental Protection of Motor Vehicle</b> <b>自動車の環境・安全に関する基準・認証制度</b>		 Multi-participants	J0600781
		Transportation—Urban Transportation 6 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
Participants are expected to achieve the following: (1) To understand the outline of administrative systems for motor vehicle in Japan with its relevant laws, rules and regulations. (2) To devise suitable future managerial and/or operational plans for administration system concerning safe and environmental technical regulation, inspection, certification and registration for motor vehicle in each participating country, (3) To cultivate officials for playing more effective and responsible roles in the administration system.	[Target Organizations] National offices for planning administration system for motor vehicles [Target Group] (1)Supervising officer in charge of policy making for motor vehicle administration in the central government, (2)University graduates or equivalent background with more than 5 years of practical experience in the field of motor vehicle.		
CONTENTS	PROGRAM PERIOD	Jan.23.2007 ~ Mar.4.2007	
The program will be conducted in the form of lectures, sites observation. Details are as follows;  (1) The administration system for motor vehicle. (2) Study for motor vehicle safety. (3) Motor vehicle technical regulations and production activities. (4) Aptitude diagnosis for professional drivers. (5) Training of motor vehicle inspector. (6) Country report presentation, and final report writing and presentation.	IMPLEMENTING PARTNER	ROAD TRANSPORT BUREAU, MLIT	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2003 ~ 2007	
	REMARKS		






<b>Comprehensive Urban Transportation Planning and Project</b> <b>総合都市交通計画・プロジェクト</b>			<b>Multi-participants</b>	<b>J0600782</b>
<b>Target Countries : Countries with cities of population 500,000 or more</b>		<b>Transportation—Urban Transportation</b> <b>20 participants / English</b>		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The participants will be expected to achieve following results to consider solving the transport problems with urban planning technology and planning policy (land use TDM etc.)</p> <p>(1)To understand about urban transportation to maintain urban development  (2)To secure the urban transportation problems (ex.: policy, consideration and implementation).  (3)Make a proposal for the issue and propose the solution for urban transportation problem.</p>	<p>(1) Currently engaged in urban transport policy formation, urban transportation planning or urban transportation facility planning, with at least 3 years of professional experience  (2) University graduates or the equivalent  (3) Under 40 years old</p>			
CONTENTS	PROGRAM PERIOD	Sep.19.2006 ~ Dec.2.2006		
<p>&lt;Preparatory phase&gt;  Choose the issue that the organization to which the participant is attached has responsibility and be expected to find the solution for that problem. And elaborate a Inception Report to secure the situation around the problems. (The organization need to recognize the contents of the report.)</p> <p>&lt;Program in Japan&gt;  The program is consisted by following module.  (1)Introduction for urban transportation planning  (2)Urban transportation planning (Analysis method)  (3)Urban transportation planning (policy and management)  (4)Urban transportation planning (Experience of non megalopolis)  (5)Urban public transportation project  Propose the solution for the problem addressed by inception report as a interim report. A advisor will advise.</p> <p>&lt;Post-program activities&gt;  Present the interim report to the organization or the boss, and the organization responds about the proposal to the participant. The participant elaborates the final report in addition to the opinion about the action of the organization for the proposal. And submit it to JICA Tokyo.</p>	IMPLEMENTING PARTNER	The City and Regional Development Bureau		
	JICA CENTER	Tokyo International Center		
	COOPERATION PERIOD	2003~2007		
	REMARKS	Remarkable proposal has possibility to be implemented by "Soft follow up" selectively		

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.



<b>Colloquium on Urban Public Transport</b> <b>都市公共交通コロキウム</b>			<b>Multi-participants</b>	<b>J0600783</b>
Target Countries: Countries with cities of population one million or more		Transportation—Urban Transportation 10 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
This program addressed to policy of regulation for environmental influence or service of private sector, provision for traffic unfortunates, alliance among different traffic mode and various measures for public transportation in the city whose population is more than one million. The participants will be expected to achieve following results to consider solving the transport problems with urban planning policy.  (1)To secure problems for the system of urban public transportation. (2)To propose about measure and/or way to domesticate for the problem above. (3)To inform the proposal above to the higher rank organization for organized analysis.	(1) Central/local government officials responsible for the formulation of policies or implementation of projects of urban public transport in a city with a population of one million or more. (Engineer and Investigator are disapproved) (2) In responsible post for policy making about urban public transportation. (3) Have university degree or equivalent, with at least 10 years of professional experiences, and over 40 years old Participants need enough English capacity for discussion and submission of reports.			
CONTENTS	PROGRAM PERIOD	Jan.16.2007 ~ Mar.10.2007		
<Preparatory phase:> Choose the issue that the organization to which the participant is attached has responsibility and be expected to find the solution for that problem. And elaborate an Inception Report to secure the situation around the problems. (The organization need to recognize the contents of the report.)  <Program in Japan> The program is consisted by lecture, Site study tour and discussion. The participants will consider about the problems through the discussion. The discussion time is picked from the Inception Report and/or Japanese experiences. The participants will elaborate the Final Report about the measure for the urban public transportation issue.	IMPLEMENTING PARTNER	POLICY BUREAU, MLIT		
	JICA CENTER	Tokyo International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS			

<b>Motor Vehicle Inspection and Maintenance System</b> <b>自動車検査整備制度</b>			<b>Multi-participants</b>	<b>J0600788</b>
		Education—Technical and Vocational Education and Training 8 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
This program is designed to provide personnel in charge of motor vehicle administration with an opportunity to know the importance of motor vehicle administration, i.e. the establishment of systems such as inspection, maintenance and repair through lectures and practices and to enhance the improvement of the relevant fields. To reach the objective, participants are expected to achieve following results: (1) basic knowledge on motor vehicle inspection and maintenance system (including a private vehicle inspection system), (2) basic knowledge and techniques on structure, rules and regulations related to safety and environment of the vehicle, (3) basic knowledge and techniques for inspection equipment, inspection methods for practical application, (4) basic knowledge and techniques on the structure of inspection equipment and handling methods (calibration and maintenance method) and finally (5) to draw up an action plan based on the obtained knowledge listed above.	(1)Technical officials engaged in motor vehicle administration, and with work experience 3 to 15 years in this field (2)Senior high school graduate or equivalent (3)Age: 20-40 years old			
CONTENTS	PROGRAM PERIOD	Oct.31.2006 ~ Dec.7.2006		
•Lecture (1) legal system of motor vehicle inspection (2) safety and inspection standard (3) motor vehicle structure, inspection and maintenance (4) motor vehicle inspection business (5) structure of motor vehicle inspection equipment and its handling method  •Lecture and practical training: Among the above lectures, 3),4) and 5) items •Observation and visit: (1)designated maintenance and repair shop, (2)government inspection station, (3)motor vehicle manufactures	IMPLEMENTING PARTNER	AUTOMOBILE INSPECTION & REGISTRATION ASSOCIATION		
	JICA CENTER	Tokyo International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS			

<b>Urban Transportation and Environment</b> <b>都市環境と交通</b>		 Multi-participants	 Multi-year	J0600844
		Transportation—Urban Transportation 11 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>This training program is intended to inspire participants to promote environmentally sustainable transportation (EST) in their own countries. The aim is for participants to disseminate what they have learned during the training program and the contents of their interim report to responsible persons in their own countries.</p> <p>To reach the objective, participants are expected to achieve the following results:</p> <p>(1) To identify transportation-related environmental problems</p> <p>(2) To consider the direction and strategies for promoting EST in their own countries by fully understanding the overall concept of EST, its policy, key aspects of EST, best practices, tools to achieve EST, etc.</p> <p>(3) To set the direction and strategies for promoting EST and the necessary activities to disseminate what they have learned from the training program and contents of their interim report</p> <p>(4) To examine the direction of policies/programs/projects to introduce EST in their own countries and to disseminate what they have learned from the training program and contents of their interim report</p>	<p>[Target Organizations]            Department of Ministry of Transport in charge of environmental issues or Department of Ministry of the Environment in charge of transport related issues</p> <p>[Target Group]            Mid-ranking officials in charge of roads and public transportation policy relevant to environmental issues with at least 3 to 5 years of experience in the transportation field and a university degree or equivalent.</p>			
CONTENTS	PROGRAM PERIOD	Oct.9.2006 ~ Nov.16.2006		
<p>(1) Preparatory phase:            Participants will make an inception report describing specific urban environment problems caused by transportation, their countermeasures, and constraints tackled by the participant's organization.</p> <p>(2) Main program phase:            1) To identify transportation-related environmental problems (Presentation of inception report)</p> <p>2) To understand the overall concept of EST, its policy, key aspects of EST, best practices, tools to achieve EST, etc. (vehicle emission control, transport demand management, roadside air quality monitoring and assessment, cleaner fuels, road maintenance/safety, land-use planning in transport planning, traffic noise management)</p> <p>3) To set the direction and strategies for promoting EST and to disseminate what they have learned from the training program and contents of their interim report (group discussion, interim report-making)</p> <p>(3) Development phase:            After participants' return</p> <p>1) The direction of policies/programs/projects to introduce EST to their own countries, including how to cooperate with relevant organizations and pilot project planning, is examined and activities to disseminate what they have learned from the training program and contents of their interim report are executed.</p> <p>2) The result of the actions taken by the organization and the participant are reported in the final report.</p>	IMPLEMENTING PARTNER	UNITED NATIONS CENTRE FOR REGIONAL DEVELOPMENT		
	JICA CENTER	Chubu International Center		
	COOPERATION PERIOD	2004~2008		
	REMARKS			

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

<b>Railway Management</b> <b>鉄道経営</b>		 Multi-participants	 Multi-year	J0600951
Target Countries : Countries with urban rail networks		Transportation—Urban Transportation Urban/Regional Development—Urban Development 9 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
(1) to understand the multiple businesses management of railway enterprises, (2) to understand the substantial services which can satisfy the customers' needs in a competitive market, (3) to understand the regulations and supporting systems for railway enterprises provided by the Government, and (4) to seek measures to restructure the management of railway enterprises and ideal management forms applicable to the participating countries,	[Target Organizations] Urban railways or Railways with urban railway line  [Target Groups:] (1) Managers/senior officers of planning dept. of railway companies (2) University graduates with more than 5 years experience			
CONTENTS	PROGRAM PERIOD	Jan.14.2007 ~ Feb.3.2007		
(1) Railway policies and governmental administration in Japan. (2) Railway business and management (3) Report presentation (4) Discussion	IMPLEMENTING PARTNER	RAILWAY BUREAU, MLIT		
	JICA CENTER	Tokyo International Center		
	COOPERATION PERIOD	2005~2009		
	REMARKS	This program is designed for countries with urban rail networks such as commuter rail, underground railway, LRT(Light Rail Transit) and MRT(Mass Rapid Transit). In 2006 the program will focused on "Urban Railway Transportation".  This program is designed for countries which have urban railway(s) such as commuter rail, underground railway, LRT(Light Rail Transit) and MRT(Mass Rapid Transit)		

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.



OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Systems or organizations will be improved by teaching the necessary skills in this training course. To reach the objective, participants are expected to achieve the following: (1)To understand administrative knowledge of cargo transport (2)To understand the planning, management and system of cargo transport (3)To acquire the ability to implement cargo transport projects (4)To make a proposal or action plan to improve cargo transport</p>	<p>(1) Currently engaged in the field of cargo transport at governmental or public organizations, with at least 3 years of experience in this field (2) Age: 28-45 years old</p>	
CONTENTS	PROGRAM PERIOD	May.8.2006 ~ Jun.24.2006
<p>&lt;Preparatory phase&gt; Three kinds of reports will be created: (1) A country report describing the current situation of cargo transport in one's own country (2) A job report describing one's own responsibility in the respective organization (3) An inception report describing the vision related to modernization of cargo transport</p> <p>&lt;Program in Japan&gt; Propose systems or organizations for improving cargo transport and create an action plan showing how to improve them. The following subjects will be addressed: (1) Cargo transport administration (2) Freight management (3) Cargo transport facilities management (4) Informatization (5) Cargo transport technology (6) Facilitation for modernization of cargo transport</p> <p>&lt;Post-program activities&gt; After participants' return (1) To submit the proposal to the respective supervisor and implement the action plan (2) To submit a progress report describing the results in realizing the action plan</p>	IMPLEMENTING PARTNER	AICHI INDUSTRIAL RESEARCH ASSOCIATION
	JICA CENTER	Chubu International Center
	COOPERATION PERIOD	2004~2008
	REMARKS	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.





OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The purpose of the program is to provide opportunities to learn the general techniques of bridge engineering used in Japan (including planning, design and construction of bridges) so that the participants will be able to improve the technology in bridge engineering and to contribute to the development of their countries.</p>	<p>(1) University graduate (civil engineering) or equivalent                      (2) Occupational experience of more than Three years                      (3) Presently engaged in bridge construction and expected to have a leading position in bridge construction                      (4) Age: under 40 years old</p>	
CONTENTS	PROGRAM PERIOD	
<p>In this program, the following major subjects will be covered through lectures, practices, discussions and observation trips.</p> <p>(1) Plan and Design of bridges                      (2) Construction of various kinds of bridges                      (3) Maintenance of various kinds of bridges                      (4) Formulation and Presentation of Action Plan by the participants</p>	<p>IMPLEMENTING PARTNER</p>	<p>Oct.9.2006 ~ Dec.2.2006                      ROAD BUREAU, MLIT</p>
	<p>JICA CENTER</p>	<p>Tokyo International Center</p>
	<p>COOPERATION PERIOD</p>	<p>2005 ~ 2009</p>
	<p>REMARKS</p>	








<b>IP Backbone Network Technologies</b> <b>IP伝送路網の構築・監視技術</b>		 Multi-participants	 Multi-year	J0600002
Information and Communication Technology—Information and Communication Technology 11 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
(1) To understand the series of digital transmission systems, which consist mainly of network synchronization, synchronous multiplexer and digital transmission (2) To understand various systems such as optical fiber transmission and digital microwave transmission. (3) To understand administrative techniques which consist of planning and plant engineering, transmission standards		(1) University graduate or equivalent in telecommunication or electrical engineering (2) Working for telecommunication administrations or common carrier organization for at least 5 years (3) Having a knowledge of the basic concepts of digital transmission engineering (4) Age: Under 40 years old		
CONTENTS		PROGRAM PERIOD	Sep.25.2006 ~ Dec.2.2006	
Lectures, practical exercises, discussions and observation tour. The main themes are: (1) Digital transmission technology: digital multiplex hierarchy, analog to digital conversion, synchronized multiplexing, video transmission system (2) Optical fiber transmission technology: optical source and detector, line code, system design, transmission standard, transmission quality (3) Optical fiber line technology: optical fiber transmission theory, characteristics of optical fiber, structure of optical fiber (4) Microwave communication system: digital microwave communication, satellite communication, microwave network construction (5) Relational technology: digital switching systems engineering, ISDN service, communication quality (6) Planning design: transmission network, transmission line facility, digital radio-relay system, optical fiber cable (7) Study tour & field trip		IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION	
		JICA CENTER	Hyogo International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS	A compulsory intensive Japanese language program will be conducted prior to the technical training.	

Computer CIO ((Chief Information Officer) for E-Government Promotion (A)) コンピュータ(電子政府推進のための情報化戦略責任者(CIO)(A))		 Multi-participants	J0600012
Information and Communication Technology—Information and Communication Technology 12 participants / English			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>To enable participants to be able to revise the business process according to the role of each department/division, and to propose a plan for business analysis, problem solution, and computerization as a team leader, for the top administration of each department/division of each ministry/agency.</p> <p>Participants will be expected to achieve the following objectives in the course:</p> <p>(1) To plan a consistent business and data architecture from the viewpoint of total optimization based on the concept of enterprise architecture (EA)</p> <p>(2) To analyze business and data structures using unified module language (UML)</p> <p>(3) To practice the negotiation techniques required of a team leader</p> <p>(4) To understand the concept of object oriented technology, and to apply the concept to decisions regarding information strategies or the planning, designing and development of an information system</p> <p>(5) To understand the typical business process reengineering (BPR) method used for improving business processes, and to use the method to improve a business process and business analysis of system development</p>	<p>(1) Officials in a governmental or public organization</p> <p>(2) Have experience as an IT architect/system analyst/IT division manager/PM for 5-7 years, or experience as a CIO for 1-2 years</p> <p>(3) Age: Under 45 years old</p> <p>(4) Have strong English speaking/writing skills</p>		
CONTENTS	PROGRAM PERIOD	Sep.19.2006 ~ Dec.15.2006	
<p>Preparatory phase: WBT (web based training) is provided by the course. Participants will make a pre-study using WBT.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:</p> <p>(1) Introduction to E-government/introduction to enterprise architecture (EA)</p> <p>(2) Making a business architecture</p> <p>(3) Business process reengineering (BPR) methodology</p> <p>(4) Consulting methodology basics</p> <p>(5) Project management basics</p> <p>(6) Object oriented basics</p> <p>(7) Leadership training</p> <p>(8) Workshop</p> <p>In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will report on the status of implementing the action plan to Japan at 3, 6, and 12 months. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan.</p>	IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE EAST CO. (NTT EAST)	
	JICA CENTER	Okinawa International Center	
	COOPERATION PERIOD	2005~2007	
	REMARKS	<p>*Participants must have strong English skills.</p> <p>*No more than the fixed number of 12 participants will be accepted.</p> <p>*A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.</p>	


It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Computer (CIO (Chief Information Officer) for E-Government Promotion (B)) コンピュータ(電子政府推進のための情報化戦略責任者(CIO)(B))		 Multi-participants	J0600013
Information and Communication Technology—Information and Communication Technology 12 participants / English			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>To enable participants to be able to revise the business process according to the role of each department/division, and to propose a plan for business analysis, problem solution, and computerization as a team leader, for the top administration of each department/division of each ministry/agency.</p> <p>Participants will be expected to achieve the following objectives in the course:</p> <p>(1) To plan a consistent business and data architecture from the viewpoint of total optimization based on the concept of enterprise architecture (EA)</p> <p>(2) To analyze business and data structures using Unified Module Language (UML)</p> <p>(3) To practice the negotiation techniques required of a team leader</p> <p>(4) To understand the concept of object oriented technology, and to apply the concept to decisions regarding information strategies or the planning, designing and development of an information system</p> <p>(5) To understand the typical business process reengineering (BPR) method used for improving business processes, and to use the method to improve a business process and business analysis of system development</p>	<p>(1) Officials in a governmental or public organization</p> <p>(2) Have experience as an IT architect/system analyst/IT division manager/PM for 5-7 years, or experience as a CIO for 1-2 years</p> <p>(3) Age: Under 45 years old</p> <p>(4) Have strong English speaking/writing skills</p>		
CONTENTS	PROGRAM PERIOD	Jan.8.2007 ~ Mar.31.2007	
<p>Preparatory phase: WBT (web based training) is provided by the course. Participants will make a pre-study using WBT.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:</p> <p>(1) Introduction to E-government/introduction to enterprise architecture (EA)</p> <p>(2) Making a business architecture</p> <p>(3) Business process reengineering (BPR) methodology</p> <p>(4) Consulting methodology basics</p> <p>(5) Project management basics</p> <p>(6) Object oriented basics</p> <p>(7) Leadership training</p> <p>(8) Workshop</p> <p>In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will report on the status of implementing the action plan to Japan at 3, 6, and 12 months. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan.</p>	IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE EAST CO. (NTT EAST)	
	JICA CENTER	Okinawa International Center	
	COOPERATION PERIOD	2005~2007	
	REMARKS	<p>*Participants must have strong English skills.</p> <p>*No more than the fixed number of 12 participants will be accepted.</p> <p>*A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.</p>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Computer (Client Server Application Specialist for E-Government Promotion) コンピュータ(電子政府推進のためのクライアントサーバアプリケーションスペシャリス ト)		 Multi-participants	J0600014
Information and Communication Technology—Information and Communication Technology		12 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>To enable participants to be able to implement design/development according to a work standard and be responsible for each deliverable in the area in charge as an assistant leader or a member, and to assist the leader of client/server application system development using VB.NET in each ministry/agency.</p> <p>Participants will be expected to achieve the following objectives:</p> <p>(1) To perform business analysis/design using Unified Module Language (UML)  (2) To develop a C/S system under the Windows-based architecture (VB.NET + Oracle)  (3) To understand the concept of object oriented technology, and to apply the concept to decisions regarding information strategies or to the planning, designing and development of an information system  (4) To understand the typical business process reengineering (BPR) method used for improvement of business processes, and to use the method to improve business processes and business analysis of system development</p>	<p>(1) Officials in a governmental or public organization  (2) Have experience as an applications specialist for 3-5 years  (3) Age: Under 35 years old  (4) Have strong English speaking/writing skills</p>		
CONTENTS	PROGRAM PERIOD	Apr.18.2006 ~ Sep.13.2006	
<p>Preparatory phase: WBT (web based training) is provided by the course. Participants will make a pre-study using WBT.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:  (1) Introduction to E-government/introduction to enterprise architecture (EA)  (2) Business process reengineering (BPR) methodology  (3) Project management basics  (4) Structured analysis and design  (5) Object oriented basics  (6) VB.NET programming  (7) Windows system administration  (8) ORACLE database creation  (9) Performance design  (10) Workshop</p> <p>In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will report on the status of implementing the action plan to Japan at 3, 6, and 12 months. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan.</p>	IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE EAST CO. (NTT EAST)	
	JICA CENTER	Okinawa International Center	
	COOPERATION PERIOD	2005~2007	
	REMARKS	<p>*Participants must have strong English skills.  *No more than the fixed number of 12 participants will be accepted.  *A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.</p>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Computer (Database Architect Specialist for E-Government Promotion) コンピュータ(電子政府推進のためのデータベーススペシャリスト)		 Multi-participants	J0600016
Information and Communication Technology—Information and Communication Technology 12 participants / English			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>To enable participants to be able to design and build a database in the area in charge as an assistant leader or a member, and to assist the leader of the single database system development project in each ministry/agency.</p> <p>Participants will be expected to achieve the following objectives:            (1) To perform conceptual design, logical design (data modeling), and physical design of a database            (2) To create and manage a database using Oracle            (3) To perform operation management of a database, such as performance evaluation and performance tuning</p>	(1) Officials in a governmental or public organization (2) Have experience as an applications specialist or database specialist for 3-5 years (3) Have knowledge of Linux (4) Age: Under 35 years old (5) Have strong English speaking/writing skills		
CONTENTS	PROGRAM PERIOD	Aug.8.2006 ~ Dec.21.2006	
<p>Preparatory phase: WBT (web based training) is provided by the course. Participants will make a pre-study using WBT.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:            (1) Introduction to E-government/introduction to enterprise architecture (EA)            (2) Business process reengineering (BPR) methodology            (3) Project management basics            (4) JAVA programming            (5) Linux system administration            (6) Oracle database creation/database tuning            (7) Performance design            (8) Workshop            In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will report on the status of implementing the action plan to Japan at 3, 6, and 12 months. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan.</p>	IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE EAST CO. (NTT EAST)	
	JICA CENTER	Okinawa International Center	
	COOPERATION PERIOD	2005~2007	
	REMARKS	*Participants must have strong English skills. *No more than the fixed number of 12 participants will be accepted. *A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
 It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.


<b>Computer (Network Specialist for E-Government Promotion (A))</b> <b>コンピュータ(電子政府推進のためのネットワークスペシャリスト(A))</b>		 Multi-participants	J0600017
Information and Communication Technology—Information and Communication Technology 12 participants / English			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>To enable participants to be able to design, build, and troubleshoot a local area network (LAN) in the area in charge as an assistant leader or a member, and to assist the leader of a small-scale network design and construction project in each ministry/agency.</p> <p>(1) To design and set up a suitable local area network/wide area network (LAN/WAN) that satisfies the user's requirement            (2) To operate and administer a TCP/IP network            (3) To explain the factors to be considered when designing and setting up networks</p>	<p>(1) Officials in a governmental or public organization            (2) Have experience as an applications specialist or network specialist for 3-5 years            (3) Age: Under 35 years old            (4) Have strong English speaking/writing skills</p>		
CONTENTS	PROGRAM PERIOD	May.9.2006 ~ Sep.30.2006	
<p>Preparatory phase: WBT (web based training) is provided by the course. Participants will make a pre-study using WBT.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:            (1) Introduction to E-government/introduction to enterprise architecture (EA)            (2) Business process reengineering (BPR) methodology            (3) Project management basics            (4) LAN design            (5) WAN design            (6) Network management            (7) Linux system administration            (8) Security basis            (9) Workshop            In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will report on the status of implementing the action plan to Japan at 3, 6, and 12 months. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan.</p>	IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE EAST CO. (NTT EAST)	
	JICA CENTER	Okinawa International Center	
	COOPERATION PERIOD	2005~2007	
	REMARKS	<p>*Participants must have strong English skills.            *No more than the fixed number of 12 participants will be accepted.            *A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.</p>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
 It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

<b>Computer (Network Specialist for E-Government Promotion (B))</b> <b>コンピュータ(電子政府推進のためのネットワークスペシャリスト(B))</b>		 Multi-participants	J0600018
Information and Communication Technology—Information and Communication Technology 12 participants / English			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>To enable participants to be able to design, build, and troubleshoot a Local Area Network (LAN) in the area in charge as an assistant leader or a member, and to assist the leader of a small-scale network design and construction project in each ministry/agency.</p> <p>(1) To design and set up a suitable local area network/wide area network (LAN/WAN) that satisfies the user's requirement            (2) To operate and administer a TCP/IP network            (3) To explain the factors to be considered when designing and setting up networks</p>	<p>(1) Officials in a governmental or public organization            (2) Have experience as an applications specialist or network specialist for 3-5 years            (3) Age: Under 35 years old            (4) Have strong English speaking/writing skills</p>		
CONTENTS	PROGRAM PERIOD	Oct.17.2006 ~ Mar.20.2007	
<p>Preparatory phase: WBT (web based training) is provided by the course. Participants will make a pre-study using WBT.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:            (1) Introduction to E-government/introduction to enterprise architecture (EA)            (2) Business process reengineering (BPR) methodology            (3) Project management basics            (4) LAN design            (5) WAN design            (6) Network management            (7) Linux system administration            (8) Security basis            (9) Workshop            In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will report on the status of implementing the action plan to Japan at 3, 6, and 12 months. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan.</p>	IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE EAST CO. (NTT EAST)	
	JICA CENTER	Okinawa International Center	
	COOPERATION PERIOD	2005~2007	
	REMARKS	<p>*Participants must have strong English skills.            *No more than the fixed number of 12 participants will be accepted.            *A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.</p>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.


It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Computer (Project Manager for E-Government Promotion (A)) コンピュータ(電子政府推進のためのプロジェクトマネージャー(A))			Multi-participants	J0600019
Information and Communication Technology—Information and Communication Technology 12 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>To enable participants to be able to determine the project plan, manage quality/cost/time for delivery, clarify the scope and responsibility of the project, perform problem-solving and decision-making for the entire project, and manage project members and assistant leaders as a project leader, to carry out and complete the project in each department/division within each ministry/agency.</p> <p>Participants will be expected to achieve the following objectives:            (1) To explain and practice the nine knowledge areas of Project Management Body of Knowledge (PMBOK), which is a modern project management method, according to the flow of a development project            (2) To understand and utilize the basic knowledge about IT technology needed to plan, design, and develop an information system            (3) To practice the negotiation techniques required for project coordination            (4) To understand the concept of object oriented technology, and to apply the concept to decisions regarding information strategies or to the planning, designing and development of an information system</p>		<p>(1) Officials in a governmental or public organization            (2) Have experience either as an IT architect or systems analyst for about 5 years, or have experience as a PM for about 1-2 years            (3) Age: Under 45 years old            (4) Have strong English speaking/writing skills</p>		
CONTENTS		PROGRAM PERIOD	Jun.6.2006 ~ Sep.12.2006	
<p>Preparatory phase: WBT (web based training) is provided by the course. Participants will make a pre-study using WBT.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:            (1) Introduction to E-government/introduction to enterprise architecture (EA)            (2) Business process reengineering (BPR) methodology            (3) Project management basics/project implementation            (4) Quality management            (5) Risk management            (6) Object oriented analysis and design            (7) Security basis            (8) Leadership training            (9) Workshop            In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will report on the status of implementing the action plan to Japan at 3, 6, and 12 months. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan.</p>		IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE EAST CO. (NTT EAST)	
		JICA CENTER	Okinawa International Center	
		COOPERATION PERIOD	2005~2007	
		REMARKS	<p>*Participants must have strong English skills.            *No more than the fixed number of 12 participants will be accepted.            *A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.</p>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.




Computer (Project Manager for E-Government Promotion (B)) コンピュータ(電子政府推進のためのプロジェクトマネージャー(B))		 Multi-participants	J0600020
Information and Communication Technology—Information and Communication Technology 12 participants / English			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>To enable participants to be able to determine the project plan, manage quality/cost/time for delivery, clarify the scope and responsibility of the project, perform problem-solving and decision-making for the entire project, and manage project members and assistant leaders as a project leader, to carry out and complete the project in each department/division within each ministry/agency.</p> <p>Participants will be expected to achieve the following objectives in the course:            (1) To explain and practice the nine knowledge areas of Project Management Body of Knowledge (PMBOK), which is a modern project management method, according to the flow of a development project            (2) To understand and utilize the basic knowledge about IT technology needed to plan, design, and develop an information system            (3) To practice the negotiation techniques required for project coordination            (4) To understand the concept of object oriented technology, and to apply the concept to decisions regarding information strategies or to the planning, designing and development of an information system</p>	<p>(1) Officials in a governmental or public organization            (2) Have experience either as an IT architect or systems analyst for about 5 years, or have experience as a PM for about 1-2 years            (3) Age: Under 45 years old            (4) Have strong English speaking/writing skills</p>		
CONTENTS	PROGRAM PERIOD	Dec.14.2006 ~ Mar.30.2007	
<p>Preparatory phase: WBT (web based training) is provided by the course. Participants will make a pre-study using WBT.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:            (1) Introduction to E-government/introduction to enterprise architecture (EA)            (2) Business process reengineering (BPR) methodology            (3) Project management basics/project implementation            (4) Quality management            (5) Risk management            (6) Object oriented analysis and design            (7) Security basis            (8) Leadership training            (9) Workshop            In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will report on the status of implementing the action plan to Japan at 3, 6, and 12 months. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan.</p>	IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE EAST CO. (NTT EAST)	
	JICA CENTER	Okinawa International Center	
	COOPERATION PERIOD	2005~2007	
	REMARKS	<p>*Participants must have strong English skills.            *No more than the fixed number of 12 participants will be accepted.            *A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.</p>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.


Computer (Security Specialist for E-Government Promotion) コンピュータ(電子政府推進のためのセキュリティスペシャリスト)		 Multi-participants	J0600021
Information and Communication Technology—Information and Communication Technology 12 participants / English			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>To enable participants to be able to collect and analyze information asset information, create security countermeasure plans, learn the procedure of ISMS (Information Security Management System), and reexamine the operational procedures of a security system as an assistant leader or a member, and to specify security requirements based on the security policy of each department/division in each ministry/agency.</p> <p>Participants will be expected to achieve the following objectives:</p> <p>(1) To explain the trend in information security and international standards  (2) To explain specific security control methods  (3) To develop an information security management system and manage its operation with the knowledge of network design/development</p>	<p>(1) Officials in a governmental or public organization  (2) Have experience as an applications specialist or network specialist for 3-5 years  (3) Age: Under 35 years old  (4) Have strong English speaking/writing skills</p>		
CONTENTS	PROGRAM PERIOD	Apr.18.2006 ~ Aug.4.2006	
<p>Preparatory phase: WBT (web based training) is provided by the course. Participants will make a pre-study using WBT.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:  (1) Introduction to E-government/introduction to enterprise architecture (EA)  (2) Business process reengineering (BPR) methodology  (3) Project management basics  (4) Network management  (5) Linux basics  (6) Information security policies and standards  (7) Firewall configuration  (8) Security measures against unauthorized access  (9) Leadership training  (10) Workshop</p> <p>In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will report on the status of implementing the action plan to Japan at 3, 6, and 12 months. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan.</p>	IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE EAST CO. (NTT EAST)	
	JICA CENTER	Okinawa International Center	
	COOPERATION PERIOD	2005~2007	
	REMARKS	<p>*Participants must have strong English skills.  *No more than the fixed number of 12 participants will be accepted.  *A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.</p>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

<b>Computer (Web Application Specialist (Vender) for E-Government Promotion)</b> <b>コンピュータ(電子政府推進のためのWebアプリケーションスペシャリスト(ベンダー系))</b>		 Multi-participants	J0600022
Information and Communication Technology—Information and Communication Technology		12 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>To enable participants to be able to implement design/development according to a work standard, and be responsible for each deliverable in the area in charge as an assistant leader or a member, and to assist the leader of the Web application system development project in each ministry/agency.</p> <p>(1) To perform business analysis/design using Unified Module Language (UML)</p> <p>(2) To develop a Web application system under the UNIX-based architecture (Java + Oracle)</p> <p>(3) To understand the concept of object oriented technology, and to apply the concept to decisions regarding information strategies or to the planning, designing and development of an information system</p> <p>(4) To understand the typical business process reengineering (BPR) method used for improvement of business processes, and to use the method to improve business processes and business analysis of system development</p>	<p>[Target Countries/Organizations]</p> <p>(1) Officials in a governmental or public organization</p> <p>[Target Group]</p> <p>(1) Have experience as an applications specialist for 3 to 5 years</p> <p>(2) Have basic knowledge of UNIX</p> <p>(3) Age: Under 35 years old</p> <p>(3) Have strong English speaking/writing skills</p>		
CONTENTS	PROGRAM PERIOD	Oct.5.2006 ~ Mar.30.2007	
<p>Preparatory phase: WBT (web based training) is provided by the course. Participants will make a pre-study using WBT.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:</p> <p>(1) Introduction to E-government/introduction to enterprise architecture (EA)</p> <p>(2) Business process reengineering (BPR) methodology</p> <p>(3) Project management basics</p> <p>(4) Structured analysis and design</p> <p>(5) Object oriented analysis and design</p> <p>(6) HTML/JAVA programming</p> <p>(7) UNIX system administration</p> <p>(8) Oracle database creation</p> <p>(9) Performance design</p> <p>(10) Workshop</p> <p>In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will report on the status of implementing the action plan to Japan at 3, 6, and 12 months. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan.</p>	IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE EAST CO. (NTT EAST)	
	JICA CENTER	Okinawa International Center	
	COOPERATION PERIOD	2005~2007	
	REMARKS	<p>*Participants must have strong English skills.*No more than the fixed number of 12 participants will be accepted.*A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.</p>	


It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Computer (Web Application Specialist (Open Source) for E-Government Promotion (A)) コンピュータ(電子政府推進のためのWebアプリケーションスペシャリスト(オープンソース系)(A))		 Multi-participants	J0600023
OBJECTIVE		TARGET ORGANIZATION / GROUP	
<p>To enable participants to be able to implement design/development according to a work standard, and be responsible for each deliverable in the area in charge as an assistant leader or a member, and to assist the leader of a Web application system development project using open source software in each ministry/agency.</p> <p>Participants will be expected to achieve the following objectives in the course:            (1) To perform business analysis/design using Unified Module Language (UML)            (2) To develop a web application system under the Linux-based architecture (PHP + PostgreSQL) using open source software            (3) To understand the concept of object oriented technology, and to apply the concept to decisions regarding information strategies or to the planning, designing and development of an information system            (4) To understand the typical business process reengineering (BPR) method used for improvement of business processes, and to use the method to improve business processes and business analysis of system development</p>		(1) Officials in a governmental or public organization (2) Have experience as an applications specialist for 1-2 years (3) Have basic knowledge of Linux (4) Age: Under 35 years old (5) Have strong English speaking/writing skills	
CONTENTS		PROGRAM PERIOD	Apr.11.2006 ~ Sep.14.2006
<p>Preparatory phase: WBT (web based training) is provided by the course. Participants will make a pre-study using WBT.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:            (1) Introduction to E-government/introduction to enterprise architecture (EA)            (2) Business process reengineering (BPR) methodology            (3) Project management basics            (4) Structured analysis and design            (5) Object oriented analysis and design            (6) PHP programming            (7) Linux system administration            (8) PostgreSQL database creation            (9) Performance design            (10) Workshop</p> <p>In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will report on the status of implementing the action plan to Japan at 3, 6, and 12 months. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan.</p>		IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE EAST CO. (NTT EAST)
		JICA CENTER	Okinawa International Center
		COOPERATION PERIOD	2005~2007
		REMARKS	*Participants must have strong English skills. *No more than the fixed number of 12 participants will be accepted. *A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.


It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.


It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.


Computer (Web Application Specialist (Open Source) for E-Government Promotion (B)) コンピュータ(電子政府推進のためのWebアプリケーションスペシャリスト(オープンソース系)(B))		 Multi-participants	J0600024
Information and Communication Technology – Information and Communication Technology		12 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>To enable participants to be able to implement design/development according to a work standard, and be responsible for each deliverable in the area in charge as an assistant leader or a member, and to assist the leader of a Web application system development project using open source software in each ministry/agency.</p> <p>Participants will be expected to achieve the following objectives in the course:</p> <p>(1) To perform business analysis/design using Unified Module Language (UML)  (2) To develop a Web application system under the Linux-based architecture (PHP + PostgreSQL) using open source software  (3) To understand the concept of object oriented technology, and to apply the concept to decisions regarding information strategies or to the planning, designing and development of an information system  (4) To understand the typical business process reengineering (BPR) method used for improvement of business processes, and to use the method to improve business processes and business analysis of system development</p>	<p>(1) Officials in a governmental or public organization  (2) Have experience as an applications specialist for 1-2 years  (3) Have basic knowledge of Linux  (4) Age: Under 35 years old  (5) Have strong English speaking/writing skills</p>		
CONTENTS	PROGRAM PERIOD	Oct.19.2006 ~ Mar.31.2007	
<p>Preparatory phase: WBT (web based training) is provided by the course. Participants will make a pre-study using WBT.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:  (1) Introduction to E-government/introduction to enterprise architecture (EA)  (2) Business process reengineering (BPR) methodology  (3) Project management basics  (4) Structured analysis and design  (5) Object oriented analysis and design  (6) PHP programming  (7) Linux system administration  (8) PostgreSQL database creation  (9) Performance design  (10) Workshop</p> <p>In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will report on the status of implementing the action plan to Japan at 3, 6, and 12 months. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan.</p>	IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE EAST CO. (NTT EAST)	
	JICA CENTER	Okinawa International Center	
	COOPERATION PERIOD	2005~2007	
	REMARKS	<p>*Participants must have strong English skills.  *No more than the fixed number of 12 participants will be accepted.  *A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.</p>	


It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.


It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.


<b>Fiber Optics Outside Plant Engineering</b> <b>光線路技術</b>			Multi-participants	J0600333
Information and Communication Technology—Information and Communication Technology 10 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The objective of the training program is to acquire the knowledge needed for planning, designing and construction of optical fiber cable systems and to plan an example of the system at the end of the program.</p> <p>The goals necessary to achieve these objectives are:</p> <ol style="list-style-type: none"> <li>1) To acquire knowledge of optical fiber line technology</li> <li>2) To acquire knowledge of optical fiber transmission technology</li> <li>3) To acquire knowledge of planning, designing, construction and maintenance of optical fiber cable systems</li> <li>4) To acquire knowledge of digital transmission technology</li> </ol>	<ol style="list-style-type: none"> <li>(1) University graduate specializing in telecommunications or electrical engineering, or have equivalent technical knowledge in this field</li> <li>(2) Age: Under 40 years old</li> <li>(3) Be working for telecommunication administrations or common carrier (except broadcasting stations), with at least 3 years of practical experience</li> </ol>			
CONTENTS	PROGRAM PERIOD	Jan.22.2007 ~ Mar.3.2007		
<p>Lectures, practical exercises, discussions and observation tours will be combined in order to learn from basic to advanced.</p> <p>The main themes are:</p> <ol style="list-style-type: none"> <li>(1) Optical fiber line technology: theory, characteristics, structure, design, cable construction technology</li> <li>(2) Optical fiber transmission technology: optical source and detector, line code, system design</li> <li>(3) Digital transmission technology: principle, digital multiplex hierarchy, analog to digital conversion, synchronized multiplexing</li> <li>(4) Other outside plant technology: maintenance technology, practical exercise of civil engineering, metallic line cable technology and design</li> <li>(5) Other technology: IP transmission technology, VoIP transmission technology, etc.</li> <li>(6) Field Trip</li> </ol>	IMPLEMENTING PARTNER	NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION		
	JICA CENTER	Hyogo International Center		
	COOPERATION PERIOD	2002 ~ 2006		
	REMARKS	A compulsory intensive Japanese language program will be conducted along with the technical training.		

<b>IP Network Access Technologies</b> <b>IPネットワークアクセス技術</b>			Multi-participants	J0600746
Information and Communication Technology—Information and Communication Technology 9 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The rapid spread of the Internet is expected to contribute to the progress of cooperation in various fields such as poverty reduction, education, health, etc., and to simplify access to information. However, as Internet access technology and its human resources which are the basis of its development are not sufficient, the technology is often not effectively used due to limited resources and capital.</p> <p>The purpose of the program is to enable participants to adjust access technology effectively in their organization and region.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1. To understand Internet access technology and its trend</li> <li>2. To understand skills of fundamental technologies concerning IP network technologies such as ISDN and xDSL</li> <li>3. To understand the TCP/IP protocol and construction of LAN systems</li> </ol>	<ol style="list-style-type: none"> <li>1. Telecommunication engineers or supervisors with more than 3 years of practical experience in telecommunications</li> <li>2. Age: Preferably under 40 years old</li> </ol>			
CONTENTS	PROGRAM PERIOD	Jan.8.2007 ~ Feb.22.2007		
<ol style="list-style-type: none"> <li>1. Outline of NTT Corporation: Lectures</li> <li>2. Outline of Internet access technologies (backbone SYS, fusion of optical fiber): Lectures, practical exercises</li> <li>3. Outline of Internet market trends (E-governance, trend): Lectures, practical exercises, field trips</li> <li>4. IP network technologies (outline of ADSL, RSBM, outline of optical IP access): Lectures, practical exercises, field trips</li> <li>5. LAN construction (outline, IP address, TCP/IP): Practice</li> </ol>	IMPLEMENTING PARTNER	NTT NEOMEIT KYUSHU CORPORATION		
	JICA CENTER	Kyushu International Center		
	COOPERATION PERIOD	2002 ~ 2006		
	REMARKS	<ol style="list-style-type: none"> <li>1. As the program will provide basic techniques, participants should be under 40 years old.</li> <li>2. This program will provide access technology, but not "server design". For IP server design, please refer to the program "IP Network Server Design".</li> </ol>		



<b>IP Network Server Design</b> <b>IPネットワークサーバー設計</b>			Multi-participants	J0600747
Information and Communication Technology—Information and Communication Technology 8 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>The rapid spread of the Internet is expected to contribute to the progress of cooperation in various fields such as poverty reduction, education, health, etc., and to simplify access to information. However, as servers are not appropriately designed, constructed, or maintained, Internet technology is often not effectively used due to limited resources and capital. The purpose of the program is to enable participants to design and to construct beneficial IP network servers in the participants' organization and region.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1. To understand the outline of OSI and LAN</li> <li>2. To understand the system of IP networks</li> <li>3. To understand the functions of DNS, WWW, and Mail servers</li> </ol>		<p>[Target Group]</p> <ol style="list-style-type: none"> <li>1. IP network engineers or have at least 3 years of practical experience in IP networks</li> <li>2. Age: Preferably under 40 years old</li> </ol>		
CONTENTS		PROGRAM PERIOD	Sep.18.2006 ~ Nov.18.2006	
<ol style="list-style-type: none"> <li>1. Outline of NTT Corporation, ADSL and E-Government: Lectures</li> <li>2. Outline of OSI and LAN: Lectures, practice</li> <li>3. System of IP networks (switching, routing): Practice</li> <li>4. Function of DNS, WWW, and Mail servers (construction of DNS server, Mail server and WWW server): Practice, field study</li> </ol> <p>This program will provide techniques concerning IP network server design, but not IP access techniques. For access techniques, please refer to the program "IP Network Access Technology".</p>		IMPLEMENTING PARTNER	NTT NEOMEIT KYUSHU CORPORATION	
		JICA CENTER	Kyushu International Center	
		COOPERATION PERIOD	2002 ~ 2006	
		REMARKS	As the program will provide basic techniques, participants should be under 40 years old.	

<b>Remote Sensing Technology(Upper Elementary to Intermediate Level)</b> <b>リモートセンシング技術(初級上—中級レベル)</b>			Multi-participants	J0600776
Information and Communication Technology—Information and Communication Technology Target Countries: Countries not in CEOS (Committee on Earth Observation Satellites) 10 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>The program objective is to enhance R/S Technology of leading R/S engineers/researchers who are working for the Target Organizations.</p> <p>To achieve the objective, the participants' outputs are as follows:</p> <ul style="list-style-type: none"> <li>- explain the basic principles of R/S Technology,</li> <li>- analyze/evaluate practical data based on the spectral characteristics of typical substances such as soil, grass, trees and water,</li> <li>- analyze the remote sensing data and evaluate them by using digital image data processing equipment</li> <li>- identify the problems faced by participants' organization in the field of agriculture, environmental improvement, disaster reduction, etc. and make proposals for improvements based on the application of R/S Technology</li> </ul>		<p>[Target Organizations] Organizations using Remote Sensing (hereinafter referred to as "R/S") Technology for their activities</p> <p>[Target Group]  <ol style="list-style-type: none"> <li>(1) university graduate</li> <li>(2) under 40 years old</li> <li>(3) have an experience of R/S</li> <li>(4) have a basic knowledge of computer operation</li> </ol> </p>		
CONTENTS		PROGRAM PERIOD	May.11.2006 ~ Jul.20.2006	
<ol style="list-style-type: none"> <li>(1) Basic Principles (Satellite Data from Space, High Spatial Image R/S, Thermal Infrared R/S, Hyper-Spectral Sensor, SAR R/S, Satellite Data Format, Field Evaluation)</li> <li>(2) Spectral Characteristics Analysis/Evaluation (Ground Truth)</li> <li>(3) Digital Image Analysis (Satellite Image Processing/Analysis, Geometric Correction and Data Combination using HSI conversion, Land Cover Analysis and Change Detection, SAR Interferometry, Integration of SAR and Optical Data, Analysis of Disaster Observation, Relation between Sea Truth and Satellite Data, Disaster Monitoring using Integration of Satellite R/S and GIS)</li> <li>(4) Application of R/S Technology (Land, Air/Ocean, Agriculture, Forest, Geological Features, Mineral Resources, Mapping)</li> </ol>		IMPLEMENTING PARTNER	REMOTE SENSING TECHNOLOGY CENTER OF JAPAN	
		JICA CENTER	Tokyo International Center	
		COOPERATION PERIOD	2003 ~ 2007	
		REMARKS	R/S Technology can be applied to various issues such as Land Development (mapping), Environment, Mining, Agriculture/Forestry/Fishery, and Disaster Management.	



<b>Telecommunication Network Planning and Designing</b> <b>総合通信網計画設計</b>			Multi-participants	J0600817
Information and Communication Technology—Information and Communication Technology 9 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The rapid spread of the Internet is expected to contribute to the progress of cooperation in various fields such as poverty reduction, education, health, etc., and to simplify access to information. However, as the telecommunication network is not appropriately planned or designed, the Internet is often not effectively used due to limited resources and capital. The purpose of the program is to enable participants to plan and design the telecommunication network effectively in the participant's countries.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1. To understand the fundamental knowledge of telecommunication facilities</li> <li>2. To understand the skills to make basic plans for networks</li> <li>3. To understand basic IP technology</li> </ol> <p>This program will focus on "how to plan" and "how to design" the network. Therefore, those in charge of planning or designing are preferable, rather than those in charge of construction.</p>	<ol style="list-style-type: none"> <li>1. Telecommunication engineers who are currently working in network planning, designing and construction</li> <li>2. College or university graduate majoring in telecommunication, electrical engineering, electronics or equivalent</li> <li>3. Age: Preferably under 40 years old</li> </ol>			
CONTENTS	PROGRAM PERIOD	Jun.5.2006 ~ Aug.4.2006		
<ol style="list-style-type: none"> <li>1. Traffic theory, demand and traffic forecast: Lectures, practice</li> <li>2. Signaling, common channel signaling system: Lectures</li> <li>3. Communication quality, trunk line planning: Lectures, practice</li> <li>4. Transmission line planning: Lectures, practice</li> <li>5. Subscriber line planning: Lectures, practice</li> <li>6. LAN construction, ADSL, optical IP network technology: lectures, field study</li> </ol>	IMPLEMENTING PARTNER	NTT NEOMEIT KYUSHU CORPORATION		
	JICA CENTER	Kyushu International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS	As the program will provide basic techniques, participants should be under 40 years old.		

<b>Telecommunication Subscriber Line Network Maintenance Techniques</b> <b>加入者通信線路網保守技術</b>			Multi-participants	J0600821
Information and Communication Technology—Information and Communication Technology 10 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>Telecommunication networks are spreading in every country around the world, and their development has been remarkable. However, techniques for maintaining and managing telecommunication subscriber lines are not widespread in developing countries, and limited resources and capital are not effectively used. These are indispensable for broadbandization which developing countries expected to have in the near future.</p> <p>The purpose of the program is to enable participants to design and maintain the telecommunication subscriber lines of the participant's region appropriately.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1. To learn maintenance techniques for outside plants</li> <li>2. To learn skills for optical fiber cables</li> <li>3. To learn skills for maintaining outside</li> <li>4. To learn basic broadband skills</li> </ol> <p>This program will focus on outside plant technology, not IP access technology.</p>	<ol style="list-style-type: none"> <li>1. Telecommunication engineers in the field who have at least 3 years of practical experience in maintenance of outside plant facilities</li> <li>2. Age: Preferably under 40 years old</li> </ol>			
CONTENTS	PROGRAM PERIOD	Jan.8.2007 ~ Feb.28.2007		
<ol style="list-style-type: none"> <li>1. Maintenance control: Lectures</li> <li>2. Safety control: Lectures</li> <li>3. Telecommunication network designing (optical fiber, metal): Lectures</li> <li>4. Access network technique (RSBM, IP optical access service): Lectures</li> <li>5. Maintenance technique of outside plants (Troubleshooting, tools for trouble repair, maintenance system): Practice</li> <li>6. LAN construction: Lectures, practice</li> </ol>	IMPLEMENTING PARTNER	NTT NEOMEIT KYUSHU CORPORATION		
	JICA CENTER	Kyushu International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS	<ol style="list-style-type: none"> <li>1. As the program will provide basic techniques, participants should be under 40 years old.</li> <li>2. Maintenance techniques for outside plants are fundamental for "broadbandization".</li> </ol>		





<b>Digital Video Production for Education and Dissemination</b> <b>教育・普及活動のためのデジタルビデオ教材制作</b>		 Multi-participants	 Multi-year	J0600855
Information and Communication Technology—Information and Communication Technology Education—Other Education Issues 12 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>To enable participants to be able to produce educational video products using digital equipment, and to give them the basic knowledge and skills for planning, producing, using, and validating digital video product development. Participants will be expected to achieve the following objectives in the course:</p> <p>(1) To apply communication principles: Instructional audio visual media and techniques of validation in the production of a video program</p> <p>Participants will be expected to achieve the following objectives in the course:</p> <p>(2) To record appropriate scenes: Video and sound using portable digital video cameras based on the theory of shooting</p> <p>(3) To edit scenes and sequences effectively using digital video nonlinear editors based on the theory of editing</p> <p>(4) To create appropriate streaming videos for the intranet or Internet</p>		<p>[Target Countries/Organizations]</p> <p>(1) Officials in a governmental or public organization</p> <p>[Target Group]</p> <p>(1) Persons who play an active role in planning and production of video programs with up to 5 years of experience in the field of social education/technology diffusion</p> <p>(2) Age: Under 35 years old</p> <p>(3) Able to operate the Windows OS</p>		
CONTENTS		PROGRAM PERIOD	Aug.22.2006 ~ Dec.16.2006	
<p>Preparatory phase: Under planning.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:</p> <p>(1) Theory of audio visual media (2) Basics of shooting (3) Basics of editing (4) FLASH animation for video production (5) Script writing (6) Video in multimedia (7) Streaming video (8) DVD-video authoring (9) Validation (10) Production exercise</p> <p>In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will make a report on the status of implementing the action plan to Japan at an appropriate time. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan. Participants are required to revise the action plan, using the method of instructional design, by checking the status of implementation of the action plan.</p>		IMPLEMENTING PARTNER	JAPAN INTERNATIONAL COOPERATION CENTER	
		JICA CENTER	Okinawa International Center	
		COOPERATION PERIOD	2004~2007	
		REMARKS	<p>*No more than the fixed number of 12 participants will be accepted. *A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.</p>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Theory and Practice on Public Enlightenment Using Multimedia マルチメディア利用による普及啓蒙活動の理論と実践		 Multi-participants	 Multi-year	J0600856
Information and Communication Technology—Information and Communication Technology Education—Other Education Issues 12 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>To enable participants to be able to lead the production of educational multimedia productions as effective communication tools, by obtaining knowledge of the theory of multimedia production. Participants will be expected to achieve the following objectives in the course:</p> <p>(1) To apply communication principles in the production of multimedia  (2) To plan, design, produce and evaluate multimedia program for public enlightenment and diffusion  (3) To explain the conditions surrounding the development and utilization of multimedia educational materials in Japan</p>		<p>[Target Countries/Organizations]  (1) Officials in a governmental or public organization</p> <p>[Target Group]  (1) Persons who play a role in the planning, production and utilization of audiovisual media in the fields of social education and technology diffusion, with at least 2 years of experience  (2) Age: Under 40 years old  (3) Able to operate the Windows OS</p>		
CONTENTS		PROGRAM PERIOD	May.9.2006 ~ Aug.19.2006	
<p>Preparatory phase: Under planning.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:</p> <p>(1) Introduction to multimedia  (2) Instructional design  (3) Introduction to audiovisual communication  (4) Legibility design  (5) Digital photography basics  (6) Internet and HTML basics  (7) Digital video basics  (8) Authoring basics  (9) Digital photography production  (10) Digital video production  (11) Website production  (12) Printed media production  (13) Production exercise</p> <p>In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will make a report on the status of implementing the action plan to Japan at an appropriate time. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan. Participants are required to revise the action plan, using the method of instructional design, by checking the status of implementation of the action plan.</p>		IMPLEMENTING PARTNER	JAPAN INTERNATIONAL COOPERATION CENTER	
		JICA CENTER	Okinawa International Center	
		COOPERATION PERIOD	2004~2007	
		REMARKS	<p>*No more than the fixed number of 12 participants will be accepted.  *A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.</p>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

<b>Application of Multimedia Technology for E-Education</b> <b>教育のためのマルチメディア応用技術</b>		 Multi-participants	 Multi-year	J0600857
		Information and Communication Technology—Information and Communication Technology Education—Other Education Issues 12 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>To enable participants to be able to produce multimedia products for use online/offline, by obtaining skills in multimedia applications technology and production with respect to education, in order to disseminate multimedia as a multidisciplinary method. Participants will be expected to achieve the following objectives in the course:</p> <p>(1) To acquire basic knowledge and skills of media production            (2) To understand and implement the process of instructional material development for the Web            (3) To explain the current utilization of online materials for educational purposes in Japan</p>	<p>[Target Organizations]            (1) Officials in a governmental or public organization</p> <p>[Target Group]            (1) Have 2-3 years of experience in media production in the field of social education/technology diffusion            (2) Age: Under 40 years old            (3) Able to operate the Windows OS</p>			
CONTENTS	PROGRAM PERIOD	Jan.9.2007 ~ Apr.28.2007		
<p>Preparatory phase: Under planning.</p> <p>Main program phase: Instructors will give lectures, exercises and practice in each of the following main subjects:</p> <p>(1) Basic theory of instructional media            (2) Evaluation method of instructional media            (3) Introduction to multimedia            (4) Instructional design            (5) Web basics            (6) Digital photograph basics            (7) Digital video basics            (8) Authoring            (9) Digital photograph production            (10) Digital video production            (11) Web site production            (12) Printed media production            (13) Streaming video production            (14) Production exercise</p> <p>In the course, participants will analyze the problems in their organization, and make an action plan to improve the analyzed problems.</p> <p>After participants' return: Participants will make a report on the status of implementing the action plan to Japan at an appropriate time. Instructors will make appropriate suggestions and advice concerning problems in implementing the action plan. Participants are required to revise the action plan, using the method of instructional design, by checking the status of implementation of the action plan.</p>	IMPLEMENTING PARTNER	JAPAN INTERNATIONAL COOPERATION CENTER		
	JICA CENTER	Okinawa International Center		
	COOPERATION PERIOD	2004~2007		
	REMARKS	<p>*No more than the fixed number of 12 participants will be accepted.            *A soft-type follow-up program by JICA will be taken into consideration for implementation of the action plan.</p>		

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
 It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Telecommunication Outside Plant Engineering Techniques II 通信線路技術者育成 II		Multi-participants		Multi-year		J0600894	
Information and Communication Technology—Information and Communication Technology 8 participants / English							
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>Telecommunication networks are spreading in every country around the world, and their development has been remarkable. However, problems are caused by frequent breakdown, corrosion, and the mixing of various telecommunication facility systems, which makes it difficult to construct a basis for broadbandization in developing countries. Ineffective and inefficient designing, construction and maintenance are considered to be the cause of this.</p> <p>The aim of this program is to enable participants to design, construct and maintain telecommunications outside the plants of the participants' region appropriately. To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1. To learn design and construct techniques for outside plants</li> <li>2. To learn skills for maintaining outside plants and managing defective facilities</li> <li>3. To learn skills for planning facility investment based on demand forecasts</li> <li>4. To learn new technologies of access networks</li> <li>5. To learn about quality and security control</li> </ol>				<ol style="list-style-type: none"> <li>1. Telecommunication engineers who have at least 3 years of practical experience in network planning, designing, constructing and maintenance especially in the field of access networks</li> <li>2. Technical school or junior college graduate who majored in telecommunication or equivalent</li> </ol>			
CONTENTS				PROGRAM PERIOD	Sep.4.2006 ~ Dec.9.2006		
<ol style="list-style-type: none"> <li>1. Design of outside plants (basic design, demand forecast, manhole/handhole technique): Lectures, practice</li> <li>2. Construction of outside plants (safety control, optical fiber fusion): Lectures, practice</li> <li>3. Maintenance of outside plants (maintenance technique, emergency rehabilitation): Lectures, practice</li> <li>4. New technologies of access networks (xDSL, optical fiber access service): Lectures</li> <li>5. QC control: Lectures, practice</li> </ol>				IMPLEMENTING PARTNER	NTT NEOMEIT KYUSHU CORPORATION		
				JICA CENTER	Kyushu International Center		
				COOPERATION PERIOD	2004 ~ 2008		
				REMARKS	<ol style="list-style-type: none"> <li>1. As the program will provide basic techniques, participants should be under 35 years old.</li> <li>2. Maintenance techniques of outside plants are fundamental for "broadbandization".</li> </ol>		

Radio Regulatory Administration 電波監理行政		Multi-participants		Multi-year		J0600897	
Information and Communication Technology—Information and Communication Technology 9 participants / English							
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<ol style="list-style-type: none"> <li>(1) Training of the executive officials who become a core over radio regulatory administration</li> <li>(2) Understanding the meaning and an outline of frequency management, and the methods for planning of assignment, forecasting demand and coordination</li> <li>(3) Understanding the actual of frequency assignment, sanction of radio stations based on the number of stations and the needs of using radio frequency</li> <li>(4) Understanding whether the frequency assigned actually will be used efficiently, holding the needs of frequency in future, the necessity of radio regulation at post-fact and the scheme of clearing using waves illegally</li> </ol>				<ol style="list-style-type: none"> <li>(1) be junior college or technical school graduates or those who have an equivalent education</li> <li>(2) officials who have more 3 years of occupational experience, specially engaged to planning o coordinating of radio frequency assignment, license of radio station</li> </ol>			
CONTENTS				PROGRAM PERIOD	Oct.1.2006 ~ Oct.28.2006		
<p>The following subjects will be covered in this program through lectures, observations and discussions;</p> <ol style="list-style-type: none"> <li>(1) Legal system for radio regulation</li> <li>(2) Frequency management</li> <li>(3) Sanction and administration for radio stations</li> <li>(4) Radio frequency monitoring</li> <li>(5) Environmental problems associated with electromagnetic waves</li> <li>(6) Certification system for telecommunications equipment</li> </ol>				IMPLEMENTING PARTNER	Radio Engineering & Electronics Association		
				JICA CENTER	Yokohama International Center		
				COOPERATION PERIOD	2004 ~ 2008		
				REMARKS			

<b>Satellite Communications Engineering</b> <b>衛星通信技術</b>		Multi-participants	Multi-year	J0600945
Information and Communication Technology—Information and Communication Technology 10 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>This program is designed for engineers in charge of the construction of satellite communications systems in their countries. The main purpose of this program is to enhance the expertise of the engineers for designing earth stations of satellite communications.</p> <p>To reach the objective, participants are expected to achieve following results:</p> <ol style="list-style-type: none"> <li>1. to understand and be able to clearly describe the basic theory of satellite communication system,</li> <li>2. to concretely describe the roles and features of each earth station facilities and satellite communications systems/technologies which are listed in Module as below.</li> <li>3. to be able to formulate pertinent construction plan of earth station as a preparatory exercise.</li> <li>4. to draw up an Action Plan on their duties regarding the designing of earth stations after return home</li> </ol>		<p>(1)Engineers engaged in planning, policymaking, management and/or operation/maintenance in the field of satellite communications with more than 3years of experience as engineer.</p> <p>(2)University graduates who majored in telecommunications, electrical/electronic engineering, or those who have equivalent knowledge in the field of satellite communications engineering.</p>		
CONTENTS		PROGRAM PERIOD	May.17.2006 ~ Jul.1.2006	
<ol style="list-style-type: none"> <li>1. General Aspects of Satellite Communications</li> <li>2. Basic Theory and Method of Fixed Satellite Communications Systems</li> <li>3. Earth Station Facilities for INTELSAT and INMARSAT Satellite Communications Systems</li> <li>4. Application Technologies for Satellite Communications Systems and Other Related Telecommunications Technologies</li> <li>5. Group Discussion and Presentation of Discussion Result on Simulation of Earth Station Construction</li> <li>6. Technical Observation</li> <li>7. Others</li> </ol>		IMPLEMENTING PARTNER	KDDI ENG. & CONSULTING, INC.	
		JICA CENTER	Tokyo International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS	Countries with earth satellite stations (ground stations equipped with antennae to receive satellite signal) are preferable, as the program aims to enhance existing satellite communication services.	

<b>Optical Fiber Cable Technologies</b> <b>光ファイバーケーブル</b>		Multi-participants	Multi-year	J0600946
Information and Communication Technology—Information and Communication Technology 8 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>Telecommunications carriers will share the improvement plan of optical fiber cable networks installation which will be drawn up during the program.</p> <p>To reach the objective, participants are expected to achieve following results:</p> <ol style="list-style-type: none"> <li>(1) to understand the basic theory of optical fiber and optical fiber communications system.</li> <li>(2) to understand the meaning and roles of each facility of optical fiber cable backbones and become capable of applying appropriate system to each facility.</li> <li>(3) to understand design techniques of networks in order to maintain high reliability of optical fiber.</li> <li>(4) to master operation of optical measuring equipment in practice and be able to analyze effectiveness and the method to deal with measured results.</li> <li>(5) to understand operation and maintenance technologies needed to design optical fiber cable network routes.</li> <li>(6) to make an Action Plan which specifies the details including items to upgrade contents, quality and values of installation plan of optical fiber cable backbones drawn up by the organizations that they belong to.</li> </ol>		<p>Government organizations in charge of optical fiber cable networks and optical fiber cable communications carriers (private company can also apply.)</p>		
CONTENTS		PROGRAM PERIOD	Nov.7.2006 ~ Dec.15.2006	
<p>The program mainly consists of lectures, demonstrations and observations. The main items covered in this program are as follows:</p> <ol style="list-style-type: none"> <li>(1) Optical fiber communication</li> <li>(2) Planning of Optics backbone network</li> <li>(3) WDM &amp; Optics multiplex terminal equipments</li> <li>(4) Optical submarine cable system</li> <li>(5) Optical Device &amp; Optical measurement technology</li> <li>(6) Operation and maintenance of Optical network &amp; submarine cable</li> <li>(7) Optics LAN/WAN</li> <li>(8) Trend of future optical telecommunication technology</li> </ol>		IMPLEMENTING PARTNER	KDDI ENG. & CONSULTING, INC.	
		JICA CENTER	Tokyo International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS		



OBJECTIVE	TARGET ORGANIZATION / GROUP	
Under Planning	(1) Director-General or equivalent high rank officials of public telecommunication sector in governmental organizations (2) Executive of telecommunication carriers  Participants should be executive level personnels.	
CONTENTS	PROGRAM PERIOD	Sep.3.2006 ~ Sep.16.2006
Under Planning	IMPLEMENTING PARTNER	TELECOMMUNICATIONS BUREAU,MPHPT
	JICA CENTER	Tokyo International Center
	COOPERATION PERIOD	2005 ~ 2009
	REMARKS	This seminar focuses on 2 sectors, telecommunication and broadcasting, one after the other. The subject in 2006 is Information Communication and Telecommunication sector, and in 2007 is Broadcasting sector.

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Participants make a "Project Proposal" for rural telecommunications networks in a rural area of their countries.</p> <p>To reach the objective, participants are expected to achieve following results:</p> <p>(1) to clarify the current situation and problems of the rural telecommunication networks in their countries,</p> <p>(2) to learn the basic theory of rural telecommunication networks,</p> <p>(3) to plan appropriate rural telecommunication networks on model areas, after understanding various methods of telecommunications systems, and</p> <p>(4) to make a draft of "Project Proposal" for rural telecommunications networks in a rural area of their countries</p>	<p><b>【Target Organizations】</b>                      Central and local governmental organizations and telecommunication carriers that plan or is expected to plan rural telecommunication infrastructure</p> <p><b>【Target Groups】</b>                      Engineers                      (1) who are currently in charge of network planning,                      (2) who have more than 10 years experience, and                      (3) who have university degree</p>	
CONTENTS	PROGRAM PERIOD	Aug.13.2006 ~ Sep.28.2006
<p>Preparatory phase:</p> <p>(1) Submission of Inception Report, including information below;</p> <p>1-1. existing telecommunication infrastructures and ongoing projects in rural areas,</p> <p>1-2. a model rural area in their countries decided by organization, and</p> <p>1-3. problems / issues in the model rural area</p> <p>(2) Self-education of the basic theory of rural telecommunication networks;</p> <p>2-1. experience of rural telecommunication development and its current trend, and</p> <p>2-2. telephone traffic theory and microwave link path design</p> <p>Program in Japan:</p> <p>(1) Complementary lectures of self-education</p> <p>(2) Network planning exercises</p> <p>2-1. learning rural telecommunications systems and its characteristics,</p> <p>2-2. learning power supply systems for rural telecommunications, and</p> <p>2-3. drill in network planning for various rural areas</p> <p>(3) Submission of Interim Report, a draft of "Project Proposal for rural telecommunication infrastructure", considering issues below;</p> <p>3-1. lecture for funding for rural telecommunication development,</p> <p>3-2. exercise for problems analysis using PCM (Project Cycle Management), and</p> <p>3-3. lecture for feasibility study</p> <p>Post-program activities:</p> <p>(1) Submission of Final Report, "Project Proposal for rural telecommunication infrastructure",</p> <p>1-1. reporting Interim Report in their organizations, and taking feed-back,</p> <p>1-2. gathering information which was insufficient, and</p> <p>1-3. finalizing Final Report</p>	<p><b>IMPLEMENTING PARTNER</b></p>	<p>THE ITU ASSOCIATION OF JAPAN, INC.</p>
	<p><b>JICA CENTER</b></p>	<p>Tokyo International Center</p>
	<p><b>COOPERATION PERIOD</b></p>	<p>2005~2009</p>
	<p><b>REMARKS</b></p>	<p>Cooperation from organization is necessary, in particular in the Preparatory phase and Post-program activities.</p> <p>Remarkable proposals have possibilities to be supported by follow-up cooperation, if the participant and his/her organization is willing to.</p>

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Telecommunications Policy and Regulations 電気通信政策		Multi-year		J0600954
Information and Communication Technology—Information and Communication Technology 8 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>The important issues that the policy-making and regulating authority should tackle in order to put the universal service into practice in a competitive setting, are clarified.</p> <p>To reach the objective, participants are expected to achieve following results:</p> <p>(1) to deepen their understanding of three important issues below, discuss among them on "the roles that the regulating authorities should play in order to realize the universal service", and summarize their shared views and proposal into the minutes of discussion.</p> <p>(1-1) To learn the theory of telecommunications policies, and understand the ideal situation of policymaking and regulation (from the academic standpoint),</p> <p>(1-2) To understand the roles of the regulating authority in the competitive market, and sort out the relevant issues (from the standpoint of the regulating authority),</p> <p>(1-3) To understand the business strategies of telecommunications carriers in the competitive market, and consider how the regulating policies should be (from the standpoint of the telecommunications carriers),</p> <p>(2) to draw up an Action Plan which describes what they should do for the problems they face in their duties.</p>		<p>Directors or equivalent high rank officers of telecommunication sector,</p> <p>(1) be in charge of policy making or regulation in telecommunication services,</p> <p>(2) have several years of experience in that position, and</p> <p>(3) have a university degree or the equivalent knowledge.</p>		
CONTENTS		PROGRAM PERIOD	Jun.4.2006 ~ Jun.24.2006	
<p>(1) Japanese case study of telecommunications policies and regulations (lecture)</p> <p>(2) The role of administrative organization under competition (lecture, discussion)</p> <p>(3) Business strategies of telecommunications carriers (lecture, discussion)</p> <p>(4) Trial of local government and support from central government (observation)</p> <p>(5) Discussion on "Universal service of telecommunication"</p>		IMPLEMENTING PARTNER	RESEARCH INSTITUTE OF TELECOM. AND ECONOMICS	
		JICA CENTER	Tokyo International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS	Countries that plan to privatize or have already privatized state-run enterprises are preferable.	

Seminar on Postal Service Management II 郵便事業経営セミナー II		Multi-year		J0600955
Information and Communication Technology—Information and Communication Technology 12 participants / ENGLISH				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>Director general level executives in charge of postal service policies will sort out their thoughts toward the problems regarding to the diversification of postal services in their home countries.</p> <p>To reach the objective, participants are expected to achieve following results:</p> <p>(1) to exchange opinions among them and people concerned with regard to better postal services and share the recognition and suggestion with them to sort out the common problems.</p> <p>(2) to make a reform plan individually which includes measures and policies to solve the postal service problems in their respective countries.</p>		<p>Directors general or above who are engaged in policy making in the postal service sector, or executive managers of the organizations responsible for postal services, or their equivalent.</p>		
CONTENTS		PROGRAM PERIOD	Feb.4.2007 ~ Feb.18.2007	
<p>1. Postal System</p> <p>2. Postal Service Management</p> <p>3. Promotion of Mechanization and Information Technology</p> <p>4. Postal Service</p> <p>5. Observation of Post Office</p> <p>6. Reform Plan</p>		IMPLEMENTING PARTNER	JAPAN POST	
		JICA CENTER	Tokyo International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS		



<b>Telecommunications Standardization II</b> <b>電気通信標準化 II</b>		Multi-participants	Multi-year	J0600967
Information and Communication Technology—Information and Communication Technology 8 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
Participants are expected to find the improvements of the standardization activities in the field of telecommunications in his/her own country by comparing Japan to participant's country or each other, and achieve below goals to make action plan to meet this particular requirement. 1. to have general knowledge on the standardization activities in the field of telecommunications. 2. to have knowledge on the administration, the organization and the standardization activities in the field of telecommunications in Japan. 3. to have knowledge on the recent technologies in the field of telecommunications in Japan 4. to be able to make final reports on the improvement of the standardization activities in the field of telecommunications in their own countries.		(1) University graduate or equivalent (2) Administrative official in charge of telecommunications or an engineer of a telecommunications carrier (3) It is preferable that the applicant is currently engaged in the work of telecommunications standardization. (4) Under 45 years old		
CONTENTS		PROGRAM PERIOD	Jan.16.2007 ~ Feb.17.2007	
This program is composed of lectures, discussions and observations. Its main topics are: standardization activities of ITU and Japan, current situation of standardization administration, standardization activities of various organizations, technical regulation conformity certification, and technology and services in the field of telecommunications such as mobile communication and IP-based network.		IMPLEMENTING PARTNER	INFORMATION AND COMMUNICATIONS POLICY BUREAU, MIC	
		JICA CENTER	Tokyo International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS		

<b>Leadership Development for Information Systems Promotion</b> <b>情報化推進のためのリーダー育成</b>		Multi-participants	Multi-year	J0600989
Information and Communication Technology—Information and Communication Technology 10 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
The purpose of the training program is to develop human resources who are capable of analyzing current situation of information systems promotion in their respective countries and thus formulating and implementing the project to meet information systems promotion policy of their own countries through the understanding of the outline, methodology and present state of e-Japan Priority Policy Program of Japan.		(1) university graduates or equivalent (2) person in public organization who engages in planning and management of information systems with at least three(3) years experience. Exceptions: (a) not be specializing in operations associated with computers, (b) possess at least basic knowledge of PC (3) between the ages of thirty(30) to forty-five(45)		
CONTENTS		PROGRAM PERIOD	Oct.16.2006 ~ Dec.2.2006	
The main themes are; (1) Informatization trend in Japan (administrative evaluation of local governments, security) (2) Introduction of e-Japan Priority Policy Program, the national project (IT policy of Japan, information systems of local government) (3) Human resource development scheme for informatization, research institute with new information telecommunication technology) (4) Experience of new technology of database, network, multimedia, internet and system design using PC (5) Understanding structure, utilization and effect of GIS system, disaster prevention system and mobile communication system (6) Administrative support for venture business and measures for multimedia industrial base (7) Preparation of action plan		IMPLEMENTING PARTNER	KANSAI INSTITUTE OF INFORMATION SYSTEMS AND INDUSTRY	
		JICA CENTER	Osaka International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS		

Internet Applied Technology インターネット適応技術		Multi-participants		Multi-year		J0603497	
Information and Communication Technology—Information and Communication Technology 8 participants / English							
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>Although Internet technology is spreading in the world, there are some developing countries which do not make full use of Internet, because of the lack of knowledge and skills, and the lack of understanding of its applications. The purpose of this program is to enable participants to use the Internet within their organizations beneficially.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1. To understand how to apply the Internet</li> <li>2. To understand the method and techniques of the solutions business</li> </ol>				<p>[Target Group]</p> <ol style="list-style-type: none"> <li>1. Be working for telecommunication administrations or common carrier organizations, with at least 3 years of practical experience</li> </ol>			
CONTENTS				PROGRAM PERIOD	May.8.2006 ~ Jun.24.2006		
<ol style="list-style-type: none"> <li>1. LAN construction and techniques: Lectures, practice</li> <li>2. Outline of xDSL: Lectures, practice</li> <li>3. Multi-layer switch technology: Lectures, practice</li> <li>4. Internet applied services (Outline of IP telephone, etc.): Lectures</li> <li>5. E-governance and trend toward ubiquity: Lectures</li> </ol>				IMPLEMENTING PARTNER	NTT NEOMEIT KYUSHU CORPORATION		
				JICA CENTER	Kyushu International Center		
				COOPERATION PERIOD	2003 ~ 2007		
				REMARKS	1. As the program is positioned as an introduction to IT, participants from countries and organizations that have just started to introduce Internet technology will be preferred.		

Television Programme Production (General) テレビ番組制作(総合)		Multi-participants		Multi-year		J0600716	
Information and Communication Technology—Broadcasting 10名 participants / English							
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>The producers/directors who participate in this program will develop their production capacity of enlightenment programme on the subject of critical/global issues which are related to their countries.</p> <p>To reach the above objective, participants are expected to:</p> <ol style="list-style-type: none"> <li>1. Acquire planning, structuring, shooting, editing, and a series of production methods/techniques through the practical training of programme production</li> <li>2. Prepare and present a programme proposal which should be realized after return through the enhancement of planning and structuring ability</li> <li>3. Clarify the issues which they should work on for the development of TV programme production in their countries in the Action Plan.</li> </ol>				<ol style="list-style-type: none"> <li>(1) TV programme producer or director engaged in a public or private TV broadcasting center who is expected to continue working in the field,</li> <li>(2) between 5 and 10 years of practical experience in TV programme production including planning, structuring, and script writing,</li> <li>(3) To have a sufficient command of written and spoken English to participate in discussions</li> </ol>			
CONTENTS				PROGRAM PERIOD	Jan.9.2007 ~ Mar.18.2007		
Under Planning				IMPLEMENTING PARTNER	NHK COMMUNICATIONS TRAINING INSTITUTE		
				JICA CENTER	Tokyo International Center		
				COOPERATION PERIOD	2006 ~ 2010		
				REMARKS	The basic outline that participants produce a short programme through the training would remain the same as previous time. Certificate will be provided on the submission of the copy tape of TV programme produced by participants after their return		



Target Countries: Countries with television broadcasters

OBJECTIVE	TARGET ORGANIZATION / GROUP	
Under Planning	<p>【Target Countries / Organizations】                      TV stations                      【Target Groups】                      Studio and outside broadcasting engineers,                      (1)who have university / college degree or an equivalent knowledge of electronic engineering,                      and (2)who have experience between 5 and 10 years in TV engineering.</p> <p>This program welcomes all kinds of TV stations (national, public and private stations).</p>	
CONTENTS	PROGRAM PERIOD	Jun.20.2006 ~ Aug.26.2006
Under Planning	IMPLEMENTING PARTNER	NHK COMMUNICATIONS TRAINING INSTITUTE
	JICA CENTER	Tokyo International Center
	COOPERATION PERIOD	2003 ~ 2007
	REMARKS	As facilities used in this program will be that used in TV stations, target organizations are only TV stations. However, the facilities used in this program are limited and there may not be same types as participants use in each organization.









<b>Research on Biomass Technology</b> <b>バイオマス有効利用技術</b>		 Multi-participants	 Multi-year	J0600034
Natural Resources and Energy—Energy Supply Private Sector Development—Industrial Technology 6 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>The objective of this course is to master appropriate technologies and skills in the biomass field and to suggest methods of applying the scientific knowledge acquired to the effective usage of biomass</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1) To master methods to carry out research activities by themselves</li> <li>2) To deepen knowledge on the use of biomass</li> <li>3) To build a broad network with other researchers</li> <li>4) To make a presentation at an academic conference</li> <li>5) To make a final report as a result of the research activities in Japan</li> <li>6) To make a suggestion paper on the efficient use of biomass in their countries</li> </ol>		<p>[Target Organizations] Public research institutes, universities</p> <p>[Target Group] 1) Researchers in the field of biomass in the above-mentioned organizations 2) Have a master's degree or equivalent qualification 3) Have at least 3 years of research experience</p>		
CONTENTS		PROGRAM PERIOD	Oct.12.2006 ~ Sep.1.2007	
<p>Preparatory phase: Participants will make a research proposal according to which the topic of the research subject will be determined. In this process it is essential to contact the host researchers and to have consultations.</p> <p>Program in Japan: - Lectures on the effective use of biomass (2 weeks): Technology of biomass recovery system, bio-refinery technology Biomass energy technology (gasifying/BDF production, etc.), sugar platform technology - Individual research (about 10 months) According to the subject determined before coming to Japan, participants will be assigned as a member of the laboratory of the host researcher, conduct research under the supervision of the host researcher, and write up the results in a final report. By the end of the program, the participants will make a draft of the suggestion paper on the effective usage of biomass from a scientific viewpoint. - Subjects to be offered in relation with the following fields: Biodegradable plastics, biomass energy, ethanol production technology, application of biodiesel fuel to automobiles, life cycle assessment of biomass usage, etc.</p> <p>Development phase: The draft of the suggestion paper will be shared with the respective organizations of the participants, based on which feasible activities will be determined. At both 6 months and 12 months after the end of the program in Japan, the participants will make a progress report of their activities and submit it to Japan.</p>		IMPLEMENTING PARTNER	National Institute of Advanced Industrial Science and Technology	
		JICA CENTER	Tsukuba International Center	
		COOPERATION PERIOD	2006~2010	
		REMARKS	The course includes intensive Japanese language lessons (25 hours).	


It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

<b>Thermal Power Engineering for Gas Turbine &amp; Coal Fired Steam Turbine</b> <b>ガスタービン・蒸気タービン(石炭)火力発電</b>		 Multi-participants	J0600578
Target Countries: Countries with thermoelectric power stations		Natural Resources and Energy—Energy Supply 10 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
This program aims to draw up an action plan for improving the domestic situations of electric power supply through understanding the experience and effective techniques of operation, management and maintenance in Japan. The participants are expected: (1) To understand systems of the electric power industry in Japan (2) To understand effective techniques of operation, management and maintenance, and advanced technologies for environmental preservation in thermal power plants (3) To understand effective maintenance and troubleshooting techniques (4) To draw up a future action plan to improve the domestic situation based on the results of the training.	[Target Countries] Countries which operate gas turbine or coal-fired steam turbine power plants [Target Organizations] Gas turbine or coal-fired steam turbine power plants  [Target Group] (1) Engineers (government officials) in charge of operation, management and maintenance, and who have been in a supervisory role for at least 3 years (2) Age: Under 40 years old		
CONTENTS	PROGRAM PERIOD	May.16.2006 ~ Jul.15.2006	
The program consists mainly of two parts: (1) Training program for all participants to acquire overall knowledge of the system of Japan's electric industries (a) Plant management (lectures) (b) New technologies, (lectures and visits) (c) Production technologies (lectures and visits) (d) Environmental preservation (lectures) (2) Group training program divided into gas turbine power generation and coal-fired power generation (a) Plant operations (lectures) (b) Plant maintenance (lectures and practical exercises) (3) Others (a) Presentation of country report (b) Preparation and presentation of final report (action plan)	IMPLEMENTING PARTNER	JAPAN ELECTRIC POWER INFORMATION CENTER, INC	
	JICA CENTER	Chugoku International Center	
	COOPERATION PERIOD	2002 ~ 2006	
	REMARKS		


<b>Electric Power Management by Benchmarking</b> <b>指標管理型電気事業経営</b>		 Multi-participants	J0600728
		Natural Resources and Energy—Energy Supply 7 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
An administrative improvement plan for own country shall be made based on experience and knowledge of Japanese electric power utilities which efficient power management in terms of cost reduction of electric power production and stable supply of highly reliable electricity. Expected Results 1. To acquire managerial knowledge on customer service and marketing 2. To acquire managerial knowledge on the planning of electric power supply 3. To acquire managerial knowledge on the planning of electric power resources development 4. To acquire managerial knowledge on power systems operation 5. To acquire managerial knowledge on personnel management and human resources development 6. A business improvement plan for the participant's organization shall be made based on experience and knowledge mentioned above. 7. The business improvement plan shall be reported to the working place.	[Target Organizations] (1) Government agency in charge of electric power, electric power corporation, electric power generation corporation, and other related organization (2) Corporation, planning to be privatized or privatized (3) Organization in charge of human resource development in the field of electric power  [Target Group] Senior manager-class engineers in electric power utilities with more than ten year work experience		
CONTENTS	PROGRAM PERIOD	Sep.4.2006 ~ Oct.13.2006	
<ul style="list-style-type: none"> <li>- Development Plant</li> <li>- Power generation</li> <li>- Environment</li> <li>- Power system</li> <li>- Transmission &amp; distribution</li> <li>- Sales &amp; labor</li> <li>- Human education</li> <li>- Accounting</li> </ul>	IMPLEMENTING PARTNER	JAPAN ELECTRIC POWER INFORMATION CENTER, INC	
	JICA CENTER	Chubu International Center	
	COOPERATION PERIOD	2002 ~ 2006	
	REMARKS	From a public standpoint, if the nominee comes from a non-governmental institution, it must be confirmed that the duties of the nominator are the same as those of the nominees from the governmental institutions.	



<b>Nuclear Power Generation Basic Course</b> <b>原子力発電基礎</b>		 J0600730	
Target Countries : NPT/IAEA member nations		Natural Resources and Energy—Energy Supply 6名 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>Participants from countries which plan to operate nuclear power plants will understand crucial points and problems to operate nuclear power plants and share accurate knowledge on nuclear power generation in their countries.</p> <p>Participants from countries which operate nuclear power plants will share knowledge to solve the problems in their countries.</p> <p>In the program, the experience of countries which already operate nuclear power plants are expected to be shared by countries which plan to operate the plant in the near future.</p> <p>To reach the objective, participants are expected to achieve following:</p> <p>(1)To improve skills and knowledge on the planning, design, construction, operation, and maintenance of nuclear power plants and the safety measures</p> <p>(2)To indicate the problems of planning, design, construction, operation, and maintenance of nuclear power plants and the safety measures in their countries/workplaces</p> <p>(3)To formulate a plan of workshop/seminar and materials for presentation</p> <p>(4)After return, participants will review and implement the plan, and share the result of the training program in their organizations through workshop/seminar.</p>	<p>[Target Organizations] Government agencies/research institutes for nuclear power generation, or electric power companies,</p> <p>[Target Group] (1)Nuclear, electrical and/or mechanical engineers with more than 3 years of experience, (2)University graduate or equivalent, (3)Age: under 40 years old</p>		
CONTENTS	PROGRAM PERIOD	Jan.7.2007 ~ Feb.24.2007	
<p>Preparatory phase: To prepare a Country Report describing present situation of respective country/organization, its problems and the plan of nuclear power generation.</p> <p>Program in Japan: To formulate a plan of a workshop/seminar and materials for presentation to share accurate knowledge on nuclear power generation in respective countries.</p> <p>Post-program activities: 1. The actions described in the plan is reviewed, authorized and implemented 2. The result of the actions is reported as the Final Report 3 months after return. The report shall include following information: (1)Summary of the workshop/seminar, (2)Materials which are revised or created after return.</p> <p>Lectures: Position of Nuclear Power Generation in Electric Power Industry in Japan, Outline of the System of Nuclear Power Plant, Operation, Maintenance and Management of Nuclear Power Plant, Design and Construction of Nuclear Power Plant, Safety Management of Nuclear Power Plant, etc</p> <p>Observation: Nuclear Power Plants in Japan, etc</p> <p>Practice: BWR/PWR Operation Simulators</p>	IMPLEMENTING PARTNER	JAPAN ELECTRIC POWER INFORMATION CENTER,INC	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2002~2006	
	REMARKS	This program is basically designed for countries which plan to operate nuclear power plants.	


It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.



It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.



<b>The Improvement for Electric Power Distribution Grid</b> <b>配電網整備</b>		 Multi-participants	J0600797
		Natural Resources and Energy—Energy Supply 8 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>The aim is to enable participants to acquire know-how for effectively improving the rural electric power distribution grid and distributed power sources, as well as to acquire skills for maintaining electric power distribution grid utilities properly to reduce electric power losses and increase power supply reliability.</p> <p>Participants will be expected to achieve the following objectives in the course:</p> <p>(1) To understand the difference of electric facilities and business between Japan and participating countries, and to make a presentation on the differences</p> <p>(2) To identify problems and obstacles for electric businesses and facilities in the participant's country, then to make a final report which includes opinions and measures to be taken to solve these issues</p>	<p>[Target Countries/Organizations] Governmental electric power utilities</p> <p>[Target Group] (1) Technical college graduate or equivalent technical knowledge, and have at least 5 years of practical experience (2) Age: Under 40 years old</p>		
CONTENTS	PROGRAM PERIOD	Aug.22.2006 ~ Sep.30.2006	
<p>Preparatory phase: Participants will make a country report, describing the problems and current conditions of electric businesses and facilities in the participant's country.</p> <p>Main program phase: Instructors will give lectures in each of the following main subjects:</p> <p>(1) Outline of electric power industry in Japan (2) Outline of power electric system (3) Outline of power distribution facilities (4) Planning of power distribution facilities (5) Designing of power distribution facilities (6) Maintenance of power distribution facilities (7) Operation and accident correspondence of power distribution facilities (8) Island region electrification (9) Provincial region electrification (10) Observation trip to factory of power distribution facilities</p> <p>At the end of the course, participants will make a final report, describing the following:</p> <p>(a) The differences in electric facilities and business between Japan and participating countries, and make a presentation of the differences. (b) The problems and obstacles for electric businesses and facilities in the participant's country, and then make a final report which includes opinions and measures to be taken to solve these issues.</p> <p>After participants' return: Under planning.</p>	IMPLEMENTING PARTNER	JAPAN ELECTRIC POWER INFORMATION CENTER, INC	
	JICA CENTER	Okinawa International Center	
	COOPERATION PERIOD	2003~2007	
	REMARKS	<p>Participants must be from a non-governmental institution, but confirmed as having the same duties as governmental institutions.</p> <p>No more than the fixed number of 8 participants will be accepted.</p>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.



It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.



<b>Economical Planning and Operation for Electric Power Transmission</b> <b>電力輸送効率化</b>		 Multi-participants	J0600827
		Natural Resources and Energy—Energy Supply 8 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>The overall goal of this program is to upgrade the abilities of the efficient electric power administration. The purpose of this program is to provide the required knowledge and techniques to the engineers who take a leading role in their organization.</p> <p>The contents of the training program are described below, and through the program participants are expected to acquire:</p> <p>(1) Outline of electric power industry in Japan            (2) Standardization of power system planning and promotion of efficiency on construction, maintenance and operation of transmission and transformation facilities            (3) Power system stabilization, system operation and protection            (4) Examination of the improvement approach for future plan in thier country</p> <p>NOTE: Power distribution system is not included in this program.</p>	<p>1)Electrical engineers who are currently engaged in the field of transmission, transformation and/or power systems at the governmental power utilities or those equivalent to government,            2)Have a university degree or equivalent ability,            3)Have between 5 and 20 years of practical experience,            4)Age: between 27 to 40 years old,            5)Have a sufficient command of spoken and written English</p>		
CONTENTS	PROGRAM PERIOD	Aug.27.2006 ~ Sep.30.2006	
<p>1. Country report presentation            2. Electric utility industry in Japan            3. Lectures, practical training and field trips</p> <ul style="list-style-type: none"> <li>•Electric power system planning</li> <li>•Construction and maintenance of power transmission and substation facilities</li> <li>•System protective relaying scheme in electric power transmission system</li> <li>•Electric power system control</li> <li>•Electric power system operation</li> </ul> <p>4. Final report presentation</p>	IMPLEMENTING PARTNER	JAPAN ELECTRIC POWER INFORMATION CENTER,INC	
	JICA CENTER	Tohoku International Center	
	COOPERATION PERIOD	2003 ~ 2007	
	REMARKS	For the public standpoint,in cases the nominee comes from a non-governmental institution,it must be confirmed that the duties of the nominator is the same as those of nominees from the governmental institutions.	

<b>Small-Scale Hydro Power and Clean Energy Power Engineering</b> <b>小水力及びクリーンエネルギー発電技術</b>		 Multi-participants	 Multi-year	J0600860
		Natural Resources and Energy—Energy Supply Private Sector Development—Industrial Technology 10 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The objective of this program is to improve knowledge and skills on electric power facilities management, from the stages of planning, designing, maintenance, up to operation, in the field of hydroelectric power generation, to make a concrete improvement plan..</p> <p>Expected Results:</p> <p>(1) To learn the procedure for planning hydroelectric power generation            (2) To acquire management techniques for the maintenance and operation of small hydropower generation facilities            (3) To understand the environmental impacts and effects of renewable energy in general            (4) To make a business improvement plan for the participant's organization based on the above-mentioned experience and knowledge</p>	<p>[Target Organizations]            (1) Government agency in charge of electric power, electric power corporation, electric power generation corporation, and other related organizations            (2) Particularly organizations in charge of the planning, maintenance, and operation of small hydropower stations</p> <p>[Target Group]            Those in charge of small-scale hydro generation and civil, electrical, or mechanical engineers with at least 5 years of experience</p>			
CONTENTS	PROGRAM PERIOD	Sep.4.2006 ~ Oct.7.2006		
<p>1. Historical background of the electricity business and hydroelectric power generation in Japan            2. Research, planning and design of small hydropower plants            3. Operation and maintenance of small hydropower plants            4. Introduction to planning for renewable energy (solar power and wind power)            5. Framework of Clean Development Mechanism            6. Observation</p> <p>(1) Small hydropower sites            (2) Manufacturer of generating sets            (3) Observation travel</p>	IMPLEMENTING PARTNER	CHUBU ELECTRIC POWER CO.,INC.		
	JICA CENTER	Chubu International Center		
	COOPERATION PERIOD	2004 ~ 2008		
	REMARKS	Countries working on regional electrification/ renewable energy (hydroelectric power) and which have or plan to build small hydroelectric power stations (around 30 MW) are preferable.		

Hydro-Electric Power Engineering (For Stable and Sustainable Supply) 安定供給型水力発電		 Multi-participants  Multi-year    J0600939	
		Natural Resources and Energy—Energy Supply 8 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>The development, operation, and maintenance of effective and environment-friendly hydropower facilities will be promoted in their countries.</p> <p>Participants are expected to achieve following results:</p> <ol style="list-style-type: none"> <li>1. to point the problems of planning, construction and maintenance of hydro-power sector in their countries / workplaces</li> <li>2. formulate an Action Plan to solve the problems and issues in their countries/workplaces</li> <li>3. After returning to their countries, participants will review the Action Plan and implement the plan.</li> </ol> <p>Participants are required to present to the colleagues and the managers of the participant's organization the Action Plan. Upon sharing the content of the Action Plan, each participant will write a Final Report, receive the supervisor's comments on what he/she writes</p>	<p>[Target Organizations] Government agencies or electric power utilities which are charged with the development of hydropower generation</p> <p>[Target Group] (1) civil engineers in charge of planning, construction and maintenance of hydro-power sector in governmental agencies or power companies responsible for hydro-power development (2) Those having over 5 years' practical experience</p>		
CONTENTS	PROGRAM PERIOD	Jun.4.2006 ~ Jul.12.2006	
<p>Preparatory phase: Prepare a Country Report describing present situation of each countries/organizations and their problems.</p> <p>Program in Japan Formulate an Action Plan describing issues at own countries/organizations, and tentative analysis for solution of identified issues.</p> <p>Post-program activities 1. The actions described in the Action Plan is reviewed, authorized and implemented 2. The result of the actions is reported as Final Report at the time of 2 months after return</p> <p>Lectures: Design standard for power generation facilities, Hydro-electric power facilities in Japan, Deterioration analysis &amp; life extension of water-power facilities, etc Observation: Okinawa Yanbaru SeaWater Pumped Storage Power Plant in Okinawa, Okukiyotsu Hydropower plant, etc Practice: Dam Operation Simulator Training</p>	IMPLEMENTING PARTNER	JAPAN ELECTRIC POWER INFORMATION CENTER, INC	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2005~2009	
	REMARKS	In case the applicant comes from a non-governmental institution, it must be confirmed that the duties of the nominator is the same as those of nominees from the governmental institutions.	



It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

<b>Plant Engineering and Technical Standard for Refineries, Chemical and Fossil Power Plants</b> <b>石油、化学及び火力発電プラントの設備管理と技術基準</b>		 Multi-participants	 Multi-year	J0600983
		Natural Resources and Energy—Energy Supply 10 participants / English		
<b>OBJECTIVE</b>		<b>TARGET ORGANIZATION / GROUP</b>		
<p>The participants are expected to acquire the latest knowledge of:</p> <ol style="list-style-type: none"> <li>1. Outline of regulations for energy related facilities in Japan</li> <li>2. Design and fabrication standards for pressure vessels, tanks, piping, etc.</li> <li>3. Strength and material design</li> <li>4. Fabrication control</li> <li>5. Maintenance management, etc.</li> </ol> <p>The facilities and components covered by this program are pressure vessels, storage tanks, piping, reactors and heat exchangers, etc.</p>		Government or municipal administrators in charge of plant engineering, technical standards and fabrication for energy related facilities (pressure vessels, storage tanks, piping, reactors and heat exchangers), with at least 3 years of experience in this field		
<b>CONTENTS</b>		<b>PROGRAM PERIOD</b>	Sep.25.2006 ~ Nov.19.2006	
<ol style="list-style-type: none"> <li>(1) Outline of Japanese Law</li> <li>(2) Design and fabrication standards for pressure vessels, etc.</li> <li>(3) Strength design</li> <li>(4) Material design</li> <li>(5) Fabrication control</li> <li>(6) Maintenance</li> <li>(7) Accident examples</li> <li>(8) Factory tour</li> <li>(9) Job Report presentation</li> <li>(10) Action Plan presentation</li> </ol>		<b>IMPLEMENTING PARTNER</b>	AICHI INDUSTRIAL RESEARCH ASSOCIATION	
		<b>JICA CENTER</b>	Chubu International Center	
		<b>COOPERATION PERIOD</b>	2005 ~ 2009	
		<b>REMARKS</b>	<a href="http://www.airi.aichi-iic.or.jp/oshirase/koukennkyokai.html">http://www.airi.aichi-iic.or.jp/oshirase/koukennkyokai.html</a>	

Energy Efficiency and Conservation 省エネルギー		 Multi-participants  Multi-year         J0600315	
Target Countries : Countries with organizations dedicated to saving energy		Natural Resources and Energy—Energy Conservation 13 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>Energy Conservation Promotion Activities are strengthened in the field of Energy Efficiency and Conservation in participating countries.</p> <p>To reach the objective, participants are expected to achieve following results:</p> <p>1.to understand the current situation of energy consumption based on practical energy management and energy saving measures, and acquire the outline on the energy audit</p> <p>2.to understand energy conservation policy and promotion in related with energy situation in Japan, and acquire the outline on the Energy Conservation Promotion Activities</p> <p>3.formulate an Activity Proposal for respective organization to improve and promote energy conservation in participants' organization/department, referring the activities of the main industries in Japan and ECCJ</p> <p>4.After returning to their countries, participants will review the Activity Proposal,implement the plan and formulate a Final Report.</p>	<p>[Target Organizations] The organization for Energy Conservation Promotion</p> <p>[Target Group] (1) officials above the level of assistant director working in the organization for Energy Conservation Promotion, (2)university / college graduates or equivalents, (3) currently engaged in work in the energy conservation field for more than 3 years</p>		
CONTENTS	PROGRAM PERIOD	Jun.12.2006 ~ Aug.4.2006	
<p>Preparatory phase: Prepare a Country Report describing presentsituation of each country/organization and their problems</p> <p>Program in Japan Formulate an Activity Proposal describing isseus at own organizations/department, and tentative analysis for solution of identified issues</p> <p>Post-program activities: 1.The actions described in the Activity Proposal is should be reviewed, authorized and implemented 2.The result of the actions is reported as the Final Report at the time of 6 months after return</p> <p>Lectures:Energy Policy and Energy Conservation Policy in Japan, Promotion Measures and Activities,Energy Conservation Technology, Energy Audit, Outline of ESCO Projects in Japan, etc</p> <p>Observation:Excellent Case of Energy Conservation and Energy Management(Building, Factory, Power Plant, etc)</p> <p>Practice:Measurement of Energy Consumption and analysis (Furnace, Fun, Steam trap, etc)</p>	IMPLEMENTING PARTNER	THE ENERGY CONSERVATION CENTER JAPAN	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2006~2010	
	REMARKS		

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Sustainable Development of Mining 鉱山開発と持続可能な成長		 Multi-participants  Multi-year         J0600882	
		Natural Resources and Energy—Mining 20 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>The group training program in Sustainable Development of Mining is designed for engineers and technicians in order to upgrade their knowledge and skills in sustainable development of mining, thus to contribute to prevention of mining-related pollution problems and sustainable mineral development in developing countries.</p> <p>Through the program, participants are expected :</p> <p>1) to gain an understanding of the present situation of mining industry and mine pollution control activities,</p> <p>2) to deepen and broaden their knowledge of exploration/mining/mineral processing, metallurgy/recycling, and</p> <p>3) to obtain the knowledge and technology for the prevention of mining-related pollution problems and sustainable mineral development in the future rather than at present.</p>	<p>(1) Majored in Engineering or equivalent,</p> <p>(2) Engineers or Technicians in mining geology, mining, mineral processing or metallurgy in the field of mining development with more than 5 years of practical experience,</p> <p>(3) Under approx. 40 years old,</p> <p>(4) Proficient in English, especially reading comprehension,</p> <p>(5) Be in good health. Pregnant women is inappropriate.</p>		
CONTENTS	PROGRAM PERIOD	Aug.1.2006 ~ Nov.19.2006	
<p>1. Lectures related to</p> <ul style="list-style-type: none"> <li>● Issues for Sustainable Development of Mine</li> <li>● Mine exploration and Environmental issues</li> <li>● Exploration and Environmental Prevention Technology</li> <li>● Mineral Processing, Metallurgy and Recycling of Metals</li> </ul> <p>2. Field trips</p> <ul style="list-style-type: none"> <li>● Mine Drainage Neutralization Plant</li> <li>● Smelter and Refinery</li> <li>● Mines</li> <li>● Recycling Plants</li> <li>● MT Centers</li> </ul> <p>3. Country Report presentation</p> <ul style="list-style-type: none"> <li>● Statistics of Each Economy and Mining Production</li> <li>● Mining Policy</li> </ul>	IMPLEMENTING PARTNER	INTERNATIONAL INSTITUTE FOR MINING TECHNOLOGY	
	JICA CENTER	Tohoku International Center	
	COOPERATION PERIOD	2004 ~ 2008	
	REMARKS	The course is inappropriate for those who handle coal mining and/or iron ore, because its contents are specially arranged for a metal field.	














OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Through the program, participants are expected to:</p> <ol style="list-style-type: none"> <li>1.gain an understanding of Japan's competition policy and law so as to bring about a strengthening of competition law , promotion of draft work, and enhanced technical capacities for investigation of violations in their countries,</li> <li>2.realize the importance of competition policy and acquire knowledge for the purposes of competition advocacy in their countries</li> <li>3.reaffirm points of issue concerning competition law and policy in their countries by deepening insight into the competition laws and policies of Japan and other countries.</li> </ol>	<ol style="list-style-type: none"> <li>1.government officials in charge of operations at competition authorities in countries ,</li> <li>2.government officials in charge of drafting comprehensive competition acts, or competition advocacy in countries without comprehensive competition acts</li> <li>3.other government officials involved in competition policy</li> </ol>	
CONTENTS	PROGRAM PERIOD	Aug.21.2006 ~ Sep.21.2006
<p>Country report presentation,Introduction to the Antimonopoly Act (history and background)</p> <ul style="list-style-type: none"> <li>•Competition and industrial policy</li> <li>•Private monopolization/mergers and acquisitions</li> <li>•Unfair trade practices,Cartels and bid-rigging</li> <li>•Economic rationale of competition policy</li> <li>•Private enterprise and its activity for compliance</li> </ul> <p>Case study and analysis, Discussion with legal department staff of private enterprises, Final report presentation by the participants and discussion</p>	IMPLEMENTING PARTNER	FAIR TRADE COMMISSION
	JICA CENTER	Osaka International Center
	COOPERATION PERIOD	2004 ~ 2008
	REMARKS	

Seminar on Economic Development Policies 経済政策セミナー		 Multi-year	J0600943
		Economic Policy—Transition to Market Economy 19 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>The problems to be solved for sustainable growth shall be clarified and identified for making economic development strategy.</p> <p>Participants are expected to:</p> <ol style="list-style-type: none"> <li>1. deepen understanding of Japan's economic development policies and current situation,</li> <li>2. deepen understanding of development strategy under the global economic integration,</li> <li>3. establish efficient utilization of limited capital resources,</li> <li>4. deepen understanding of the role of international financial structure and international financial organizations,</li> <li>5. deepen understanding of economic assistance and foreign direct investment</li> </ol>	<p>Central government officials who are in charge of economic development policy planning / implementation.</p>		
CONTENTS	PROGRAM PERIOD	Jun.18.2006 ~ Aug.12.2006	
<p>The following major subjects will be covered in the seminar:</p> <ol style="list-style-type: none"> <li>1. position paper presentation and discussion together with area study,</li> <li>2. lecture-cum-discussion               <ol style="list-style-type: none"> <li>(a) Japan's and global economic development and current situations,</li> <li>(b) global integration and development strategies,</li> <li>(c) utilization of financial resources and establishment of financial system,</li> </ol> </li> <li>3. field trip and study visits</li> <li>4. workshop on economic development issues together with Japanese and non Japanese specialists,</li> <li>5. group discussion and report making, and</li> <li>6. policy proposal making for respective countries consulted by tutors.</li> </ol>	IMPLEMENTING PARTNER	Economic and Social Research Institute, CAO	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2005~2009	
	REMARKS	<ol style="list-style-type: none"> <li>1. After completion of program in Japan, participants are requested to report the application of the policy proposal at home countries.</li> <li>2. JICA will follow up the participants' activities to realize the policy proposal.</li> </ol>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Seminar on Small & Medium Enterprise Development Policies II 中小企業政策セミナーII		 Multi-participants  Multi-year    J0600995	
		Economic Policy—Transition to Market Economy 13 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>Promotional measures best suited to the existing conditions are generated by the organizations whose activities are targeted at promoting SMEs and micro-enterprises.</p> <p>1. Promotional measures for their submission to higher authorities in the participating countries (or alternatively generate action plans whose target is to produce promotional measures, if not authorized to draft any measures while in Japan) are drafted.</p> <p>2. Recognition that SMEs development is vital to mitigating an overriding concern “poverty reduction” in the participating countries through extensive exposure to the Japan’s SMEs policies and comparative studies of SMEs policies in other developed and emerging economies is deepened.</p>	<p>This program is designed for those officials aged less than 45 and working at the organizations whose activities are targeted at promoting SMEs and micro-enterprises preferably in manufacturing sector, with at least two years’ professional experience in the relevant field and a sufficient command of written and spoken English.</p>		
CONTENTS	PROGRAM PERIOD	May.29.2006 ~ Jun.28.2006	
<p>1. Presentation of Situation Report describing a legal framework of SMEs, relations between prevailing economic situation and SMEs, problems identified in SMEs and then depicted in a cause-effect diagram (with additional description of their logical linkages wherever and whenever found to be necessary.), and SMEs promotional measures currently implemented or at the planning stage.</p> <p>2. Discussion on SMEs with a comparative study of policies and measures while observing SMEs in different industries</p> <p>3. Generation of SMEs promotional measures (draft) or action plans for their presentation and discussion</p>	IMPLEMENTING PARTNER	PACIFIC RESOURCE EXCHANGE CENTER	
	JICA CENTER	Osaka International Center	
	COOPERATION PERIOD	2005~2009	
	REMARKS		

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

<b>Seminar on Financial System</b> <b>金融制度強化セミナー</b>		 Multi-participants	 Multi-year	J0600853
Target Countries : ASEAN countries		Economic Policy—Financial System 10 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The appropriate policy recommendations are proposed and shared in the organizations of the participants in the light of further financial system development and stability.</p> <p>1. understand necessary administrative policies to sustain financial system stability            2. identify policy tasks in order to enhance efficiency and resilience of their financial systems,            in view of Japan's experience of 2002 financial reform and Asian's experience            3. draw up policy recommendations for the high-priority issues, which shall be submitted to the organizations they belong to after the seminar.</p>	Personnel of Central Bank and Ministry of Finance in charge of financial system development and supervision with no less than 8 years experience in the field			
CONTENTS	PROGRAM PERIOD	Jan.28.2007 ~ Feb.14.2007		
Module1:Financial System and Financial Administration in Japan  1)The role of the government in financial administration and supervision 2)The role of the Bank of Japan in financial stability 3)The role of the Deposit Insurance Corporation of Japan 4)General policy measures for capital market development  Module2:Financial Supervisory Administration and Supervisory Function  1)Revisiting the Asia Financial Crisis -What remains untouched 2)Lessons of Japanese Financial Bubble - Limitation of prudential regulation 3)Recent policy measures and it's challenges for stabilization of financial sector in Japan 4)Financial safety net and moral hazard 5)Practices of bank restructuring 6)Policy measures and it's challenges for stabilization of financial sector in ASEAN countries 7)Outline of Basel II and it's implication for financial administration  Module3:Main Issues of Financial Administration in Participating Countries  1)Current Status & Future Prospect of Capital markets in Asia 2)Free Discussion - Seeking Possibilities for Partnership in the Region 3)Instruction for policy recommendation 4)Policy recommendation presentation and discussion  Note: Now Under Planning, changes may be made.	IMPLEMENTING PARTNER	FSA, BOJ, ADB		
	JICA CENTER	Tokyo International Center		
	COOPERATION PERIOD	2004~2008		
	REMARKS			

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.







Business Management Cooperation in the Asia-Pacific アジア太平洋民間協力		J0600722	
Target Countries : APEC member nations		Private Sector Development—Small and Medium Enterprises /Supporting Industries Promotion 15 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>A draft of SME promotion revised policies or an improvement plan for SME promotion shall be shared in respective countries.</p> <p>Participants are required to:</p> <ol style="list-style-type: none"> <li>1. deepen understanding of Japan's SME promotion policies /SME management,</li> <li>2. identify the problems and clarify the tasks regarding promotion of SMEs, SME finance, SME infrastructure, SME competitiveness, and business environment surrounding SMEs in APEC economies,</li> <li>3. complete the interim report on the policy recommendation or the improvement plan for SME promotion.</li> </ol>	<p>Senior governmental officials who are responsible for SME promotion policies or senior staffs of a federation of SMEs with more than 7 years of occupational experience.</p>		
CONTENTS	PROGRAM PERIOD	Jun.18.2006 ~ Jul.22.2006	
<p>Preparatory phrase: Participants should make and send the inception report to JICA regarding the problems which should be solved in respective countries in advance to the program in Japan.</p> <p>Program in Japan: Lectures, discussions, and study visits relating the SME promotion inside the APEC economies aiming to political and institutional improvement. Complete the interim report on the policy recommendation or the improvement plan for SME promotion.</p> <p>Post-program activities: Participants should make and send the final report to JICA regarding the revised inception report after return home and discussion in their institution.</p> <p>Lecture and discussion: The overall aspect of SME policy and the role of SME agency in Japan, The role of Organization for Small &amp; Medium Enterprises and Regional Innovation, The overall aspect of SME finance policy in Japan, Total quality management(TQM), SME and SME policy in APEC region,etc</p> <p>Visit: Management for public technical support center, International strategy of regional company, Fair or exhibition held by SME, etc</p>	IMPLEMENTING PARTNER	PADECO CO.,LTD.	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2002~2006	
	REMARKS	<p>Make presentations for interim report via JICANET connection with several countries. Superior final reports and its application shall be presented by participants at APEC SME Working Group conference in Hanoi, Viet nam.</p>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.





OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Participants will be able to improve the productivity of industries,in particular of small and medium enterprises.                      To reach the objective, participants are expected to achieve following results:                      1: to master the corporate management techniques for productivity improvement through lectures, visits, debates and onsite practice in a model enterprise.                      2: to utilize the mastered corporate management techniques in the onsite practice and make a suggestive report for improving productivity of the model enterprise.                      3: to make respective action plans on how to provide consultation services to the companies in their own countries. (After coming home, participants will implement consultation service for at least one enterprise in their own countries.)</p>	<p>(1)be university graduates or the equivalent who have practical knowledge on:overall business management/improvement of plant-level productivity/production management techniques/development of SMEs(2)have leadership to consult enterprises(3)be in the position to promote/implement business management/ productivity improvement activity of industries or enterprises(4)be between 30 and 45 years old</p>	
CONTENTS	PROGRAM PERIOD	May.9.2006 ~ Jul.6.2006
<p>The program contents are as follows:                      (1)Special Characteristics of Japanese Management and Corporate Support Systems Related to Enterprise Activities                      (2)Integrated Practical Production Management                      (3)Cultivating Human Resources, Marketing, Business Strategies, Cost Control, Added Value Analysis, Financial Analysis                      (4)Overview and Practice of Productivity Improvement Activities                      (5)Methods for Productivity Improvement                      (6)Productivity Improvement Activities by SMEs                      (7)Practice in Enterprise Worksite Improvements                      (8)Implementing Improvement Proposals                      (9)Creating Action Plans</p>	IMPLEMENTING PARTNER	JAPN PRODUCTIVITY CENTER FOR SOCIO-ECON. DEVELOP.
	JICA CENTER	Tokyo International Center
	COOPERATION PERIOD	2004 ~ 2008
	REMARKS	*Select at least one enterprise to implement consultation services and bring necessary material before coming.






OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>To understand the role of enterprise networking as well as local and regional economic development within the context of national development and to make a final paper on the ideas of local and regional economic development policies of the participants' own countries.</p> <p>In order to achieve the above objectives, participants are required to:</p> <ol style="list-style-type: none"> <li>1. enhance the ability to analyze and improve macro economic environment,</li> <li>2. create a concrete industrial promotion plan to address the challenges for regional public administration and to strengthen the role of private sector,</li> <li>3. understand the process and role of networking among SMEs,</li> <li>4. formulate the plan for building the cooperative relationship between NGO or CBO and public sector and/or for promoting SME's access to markets.</li> </ol>	<ol style="list-style-type: none"> <li>(1)be Government Official or Public Officer who is engaged in the planning / implementation of national / regional development project and policy</li> <li>(2)be between thirty and forty years of age</li> <li>(3)has an undergraduate degree regarding development policies</li> </ol>	
CONTENTS	PROGRAM PERIOD	Oct.31.2006 ~ Dec.16.2006
<p>Preparatory phase:                      Participants are required to make inception reports.</p> <p>Program in Japan:                      Participants analyze and have better ideas for the problems that are addressed by inception reports, and formulate the plan for building the cooperative relationship between NGO or CBO and public sector and/or for promoting SME's access to markets.</p> <p>Post-program activities:                      1. hold a discussion meeting regarding the plan written in Japan,                      2. submit the report on what is discussed,                      3. finalize and submit a final plan.</p> <p>Lecture, discussion and visit:                      (1)Japan's Economic Development and Policies                      (2)Local and Regional Economic Development                      (3)Enterprise Networking and Project Planning</p>	<b>IMPLEMENTING PARTNER</b>	Mitsubishi UFJ Research and Consulting Co.,Ltd
	<b>JICA CENTER</b>	Tokyo International Center
	<b>COOPERATION PERIOD</b>	2004~2008
<b>REMARKS</b>	Soft follow-up would be taken into account on the basis of a request.	


It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

<b>Technical Support for SME Promotion I(Biotechnology/Plastics Technology)</b> <b>中小企業振興のための技術支援I(バイオ・高分子産業分野)</b>		 Multi-participants	 Multi-year	J0600904
Private Sector Development—Small and Medium Enterprises /Supporting Industries Promotion 10 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
This program is designed to improve technical support systems for small- and medium-sized enterprises as well as to learn advanced technology in Biotechnology or Plastic Technology, and thus contribute to economic development in the respective countries. 1.to understand the present state of technical support system for SME promotion in Japan, especially in Osaka City, 2.to acquire a broad-range of knowledge and techniques in the field of biotechnology / plastics technology for effective SME promotion support, and 3.to make an action plan for SME promotion in their countries by addressing the problems/challenges in the fields of biotechnology and plastics technology.		(Biotechnology) (1) have 3 years or more of experience (2) have a master's degree or the equivalent (3) be between 25 and 40 years of age, etc (Plastics Technology) (1) have 3 years or more of experience (2) have a bachelor's degree or the equivalent (3) be between 25 and 40 years of age, etc		
CONTENTS		PROGRAM PERIOD	May.1.2006 ~ Aug.5.2006	
1. Technical Support System / Measures by public institutions for SME Promotion 2. Biotechnology or Plastic Technology		IMPLEMENTING PARTNER	OSAKA MUNICIPAL TECHNICAL RESEARCH INST.	
		JICA CENTER	Osaka International Center	
		COOPERATION PERIOD	2004 ~ 2008	
		REMARKS	Applicants should choose "Biotechnology" or "Polymer Technology" at the time of application.	

<b>Technical Support for SME Promotion II(Organic Materials/Inorganic Materials &amp; Metals)</b> <b>中小企業振興のための技術支援II(有機化学工業/無機化学工業・金属産業分野)</b>		 Multi-participants	 Multi-year	J0600905
Private Sector Development—Small and Medium Enterprises /Supporting Industries Promotion 10 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
This program is designed to improve technical support systems for small- and medium-sized enterprises as well as to learn advanced technology in Organic Materials or Inorganic Materials & Metals, and thus contribute to economic development in the respective countries. 1.understand the present state of technical support system for SME promotion in Japan, especially in Osaka City, 2.acquire a broad-range of knowledge and techniques in the field of Organic Materials / Inorganic Materials & Metals for effective SME promotion support, and 3.make an action plan for SME promotion in their countries by addressing the problems and challenges in the fields of Organic Materials / Inorganic Materials & Metals.		have three (3) years or more of experience have a bachelor's degree or the equivalent be between twenty-five (25) and forty (40) years of age		
CONTENTS		PROGRAM PERIOD	Aug.28.2006 ~ Dec.2.2006	
1. Technical Support System Measures by public institutions for SME promotion 2. Technology in the field of organic materials, inorganic materials and metals		IMPLEMENTING PARTNER	OSAKA MUNICIPAL TECHNICAL RESEARCH INST.	
		JICA CENTER	Osaka International Center	
		COOPERATION PERIOD	2004 ~ 2008	
		REMARKS	Applicants should choose "Organic Chemistry" or "Inorganic Chemistry & Metals" at the time of application	


<b>Practical Production Management(Theory &amp; Practice on Productivity Improvement)</b> <b>生産性向上実践技術</b>			Multi-participants	J0600340
Private Sector Development—Industrial Development Institution 8 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
The purpose of this program is to provide participants with opportunities to improve their abilities to solve problems and difficulties that interfere with productivity. Participants will obtain knowledge and techniques as listed below: (1) Understand the importance of enthusiasm and motivation of managers and supervisors who try to improve the productivity and quality at the production site (2) Understand that the high productivity of Japanese industry is due to Kaizen Activities, which means various types of continuing improvements involving all managers and workers at the production site (3) Learn how to identify 3M (Muda=Waste, Mura=Inconsistency, Muri=Irrationality) at the production site (4) Learn the methodology and easy-to-implement techniques of solving problems at the production site (5) Learn how to identify the optimal operating conditions		[Target Group] (1) Have at least 5 years of work experience in the fields of production management of manufacturing or assembling industries (2) Graduates of university faculties of engineering or equivalent		
CONTENTS		PROGRAM PERIOD	Oct.30.2006 ~ Mar.4.2007	
(1) Productivity and management engineering, organization of Japanese companies, quality control (2) 5S, IE, work improvement, single arrangement, POKA-YOKE, just-in-time (3) QC-7 tools, statistical methods, Taguchi methods (4) Value engineering (5) Small group activity, new QC-7 tools (6) Two-day improvement activity, productivity improvement activity * This program includes many practical exercises and discussions such as making and presenting improvement plans for actual manufacturing plants.		IMPLEMENTING PARTNER	KITAKYUSHU INT'L TECHNO-COOPERATIVE ASSOCIATION	
		JICA CENTER	Kyushu International Center	
		COOPERATION PERIOD	1987 ~ 2006	
		REMARKS		

<b>Research on Standards, Material Reference and Evaluation for Industry</b> <b>産業標準・評価技術</b>			Multi-participants	J0600719
Private Sector Development—Industrial Development Institution 7 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
The objective of this program is to develop leading researchers in the field of standards, material references and evaluation for industry. Outputs: To reach the objective, participants are expected to achieve the following: 1) To master methods to carry out research activities by themselves 2) To deepen knowledge on standards, material references and evaluation for industry 3) To build a broad network with other researchers 4) To make a presentation at an academic conference 5) To make a final report based on research activities		[Target Organizations] Public research institutes, universities [Target Group] (1) Researchers in the field of standards, material references, evaluation and measurements for industry (2) Have a master's degree or its equivalent (3) Have at least 3 years of research experience		
CONTENTS		PROGRAM PERIOD	Jan.16.2007 ~ Dec.8.2007	
Preparatory Phase: Participants will make a research proposal on a topic of research to be determined.Program in Japan: - Lectures related to standardization of industry (1 week) - Individual research (about 10 months) According to the subject determined before coming to Japan, participants will be a member of the laboratory of the host researcher, conduct research under the supervision of the host researcher, and write up the results in a final report.		IMPLEMENTING PARTNER	National Institute of Advanced Industrial Science	
		JICA CENTER	Tsukuba International Center	
		COOPERATION PERIOD	2002 ~ 2006	
		REMARKS	The program includes intensive Japanese language lessons (25 hours).Related website: National Institute of Advanced Industrial Science and Technology <a href="http://www.aist.go.jp/index_en.html">http://www.aist.go.jp/index_en.html</a>	



Target Countries: APEC member nations

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The various APEC countries have recently been assuming an extremely important role in the large-scale economic development taking place within this region. In order to promote the transfer of technologies from developed countries and the technological development of developing countries, it is therefore necessary to establish and expand the system of industrial property, as well as to train a talented cadre of officials to efficiently run this system. For this reason, we are implementing a capacity building program aimed at bringing about more efficient administration and examination of industrial property rights offices in the APEC region.</p> <p>This training program will show that the industrial property system is indispensable for the independent development of developing countries, since its preservation of inventions, industrial designs and trademarks helps achieve the systematic basis that enables the promotion of industrial development.</p> <p>The program will also focus on the following: specialist technologies with regard to examination practices, cutting-edge knowledge regarding intellectual property rights. industrial property agency partnerships aimed at integrating international</p>	<p>1) Those responsible for policy or examination in the field of industrial property 2) Those with more than five years of work experience in the field of industrial property 3) Those between the ages of 30 and 45 (inclusive) 4) Those with a university degree (or equivalent)</p>	
<p style="text-align: center;"><b>CONTENTS</b></p>	<p><b>PROGRAM PERIOD</b></p>	<p>Aug.22.2006 ~ Oct.1.2006</p>
<p>Officials responsible for substantial examinations in the field of industrial property rights (patents, utility model, industrial design, trademark rights) will upgrade their qualifications in these areas through specialized training that focuses on examination methods and other practices, as well as the latest information in a variety of fields (leading-edge examinations, search methods utilizing IT technology, international intellectual property infringements, etc.).</p> <p>The training curriculum will be based upon common study, and participants will be divided into the following four groups based upon their respective fields: patents, industrial designs, trademarks, and IP dissemination and education.</p>	<p><b>IMPLEMENTING PARTNER</b></p>	<p>JAPAN INSTITUTE OF INVENTION &amp; INNOVATION</p>
	<p><b>JICA CENTER</b></p>	<p>Tokyo International Center</p>
	<p><b>COOPERATION PERIOD</b></p>	<p>2002 ~ 2006</p>
	<p><b>REMARKS</b></p>	

<b>Asia Pacific Legal Metrology System</b> <b>アジア太平洋法定計量システム</b>			<b>Multi-participants</b>	<b>J0600767</b>
<b>Target Countries : ASEAN countries</b>		<b>Private Sector Development—Industrial Development Institution</b> <b>6 participants / English</b>		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>A legal metrology improvement plan will be developed.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1) To be able to explain the necessity of legal metrology</li> <li>2) To be able to explain the Japan's legal metrological system</li> <li>3) To understand the roles and responsibilities of organizations related to legal metrology</li> <li>4) To make a draft of an improvement plan for legal metrology in the participant's country</li> </ol>	<p>[Target Organizations/Groups]</p> <ol style="list-style-type: none"> <li>1) Governmental/semi-governmental officers</li> <li>2) Currently engaged in practical verification/inspection or its supervision in the field of legal metrology (the latter preferable)</li> <li>3) At least 3 years of work experience</li> <li>4) University graduate</li> </ol>			
CONTENTS	PROGRAM PERIOD	Jun.15.2006 ~ Sep.9.2006		
<p>Preparatory phase:</p> <p>Participants will make a report on the current situation of legal metrology.</p> <p>Program in Japan:</p> <p>The program in Japan consists of the following topics:</p> <ol style="list-style-type: none"> <li>1) Outline of legal metrology</li> <li>2) Outline of Japan's legal metrology</li> <li>3) International organization for legal metrology and international system for legal metrology</li> <li>4) Traceability</li> <li>5) Practice: Type approval, periodical inspection, verification of standards</li> <li>6) Practice: Calibration of basic items</li> <li>7) Visits to related sites</li> <li>8) Report preparation and presentations</li> </ol> <p>Development phase: Participants will share the draft report written in Japan with colleagues of their respective organizations, and elaborate it as a feasible action plan. The elaborated action plan will be reported to Japan three months after the participant's return.</p>	IMPLEMENTING PARTNER	National Institute of Advanced Industrial Science		
	JICA CENTER	Tsukuba International Center		
	COOPERATION PERIOD	2003~2007		
	REMARKS	<ul style="list-style-type: none"> <li>- The target countries will all be countries from FY2007 (not only ASEAN countries).</li> <li>- Researchers are not eligible for this program.</li> </ul>		

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.



Copyright Systems Development II 著作権制度整備 II		J0600778	
Target Countries: WTO member nations		Private Sector Development—Industrial Development Institution 7 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
Participants are expected to find out issues on copyright system of their own countries and to prepare a draft of policies to solve the assignments, through understanding following subject concerning copyright system. 1. copyright legislation in Japan 2. copyright enforcement 3. new copyright system which match the development of information technologies 4. current international copyright treaties and recent international movements 5. significance and activities of collective management societies	1. be government officer in charge of copyright, officer from collective management society, lecturers at university 2. have the experience of at least 5 years in their profession 3. be more than 30 years old, and (4) be university graduates or have higher education.		
CONTENTS	PROGRAM PERIOD	Jun.25.2006 ~ Jul.15.2006	
For promoting assignments solution of each participating countries, the program will include the following topics: 1. outline of copyright system in Japan, 2. copyright enforcement, 3. international trends in copyright protection including relevant treaties, 4. development of information technology; digitalization, network, and adjustment of copyright legislation, 5. significance and activities of collecting management societies	IMPLEMENTING PARTNER	AGENCY FOR CULTURAL AFFAIRS, MEXT	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2003 ~ 2007	
	REMARKS		

Advocating a Law-Oriented Infrastructure to Promote Foreign Direct Investment II 投資環境法整備 II		J0600803	
		Multi-participants	
		Private Sector Development—Industrial Development Institution 15 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
1. gain a comprehensive understanding of legal environment 2. understand the current situation and policies of foreign direct investment(FDI) by Japanese companies 3. understand the roles and functions of small- and medium-sized enterprise in promoting FDI as well as related issues in this field, 4. understand investment policy, strategy and issues in Japan 5. develop problem-solving skills through comparative consideration of investment systems 6. develop negotiating skills for promotion of FDI through careful examination of various related issues from multilateral perspectives.	(1)government officials or experts in charge of policy making on legal aspects of foreign direct investment or responsible for its implementation, possessing adequate experience and knowledge, (2)university graduates or the equivalent, (3)have a sufficient command of spoken and written English (English competency for discussion is needed)		
CONTENTS	PROGRAM PERIOD	Feb.5.2007 ~ Mar.17.2007	
(1) Comprehensive understanding of investment relating to legal systems (Company Law, Intellectual property system, Tax Law, Labour Law) (2) Japanese policy for attraction of foreign direct investment (3) The current state of foreign direct investment by Japanese Companies (4) The role of SMEs in promoting foreign direct investment. (5) Case study on direct investment (6) Report presentation and discussions with experts (Investment Forum)	IMPLEMENTING PARTNER	KYOTO COMPARATIVE LAW CENTER	
	JICA CENTER	Osaka International Center	
	COOPERATION PERIOD	2003 ~ 2007	
	REMARKS		




ASEAN International Standards Development Course アセアン国際標準開発研修		Multi-participants		Multi-year		J0600877	
Target Countries: ASEAN countries		Private Sector Development—Industrial Development Institution 8 participants / English					
OBJECTIVE		TARGET ORGANIZATION / GROUP					
Based on "ASEAN Standards and Conformance Cooperation Program" that was made in 2003, this program is designed to provide skills for the international standards development in ISO/IEC and the latest trends of international standardization to officials of governmental standardization bodies in ASEAN countries in order to promote more positive participation of those countries in ISO/IEC.		Deputy director or higher, who has engaged in standardization or participated in the international standardization activities					
CONTENTS		PROGRAM PERIOD		Nov.5.2006 ~ Dec.2.2006			
Lecture: Activities of ISO/IEC in Japan, Trends from ISO/IEC executive Committee, Description of ISO/IEC directive, Japanese Industry's Activity on International Standardization, Hot Issues Case Study: International standards development Discussion: Improvement of negotiation skills for international conference		IMPLEMENTING PARTNER		JAPANESE STANDARDS ASSOCIATION			
		JICA CENTER		Tokyo International Center			
		COOPERATION PERIOD		2004 ~ 2008			
		REMARKS					


Training Course on Production Certification (IEC/CB Scheme) for ASEAN Countries アセアン製品認証(IEC/CBスキーム)実践コース		Multi-participants		Multi-year		J0600879	
Target Countries: ASEAN countries		Private Sector Development—Industrial Development Institution 16 participants / English					
OBJECTIVE		TARGET ORGANIZATION / GROUP					
Based on "ASEAN Standards and Conformance Cooperation Program" that was made in 2003, this program aims to establish human networks between certification bodies in ASEAN countries and Japan and enables to reflect the ASEAN's technologies into the international certification scheme.		Deputy director or higher, who has engaged in the accreditation bodies or the certification bodies for a certain periods					
CONTENTS		PROGRAM PERIOD		Nov.12.2006 ~ Dec.2.2006			
Targeting officials in government certification bodies and accreditation bodies in ASEAN countries, this program is designed to provide necessary skills for IEC/CB scheme, etc, together with the trends of international standardization on the conformity assessment procedure aiming to promote the participation in international certification systems. Detailed program is as follows,  1. Lecture & Exercise: Characterization of CB scheme in IEC, Each country's participation condition, Operational standards of CB scheme, IEC standards, Outline of international standards subject to CB scheme, Testing technology exercise. 2. Practice: Testing methods based on the international standards, Assessment skill		IMPLEMENTING PARTNER		JAPANESE STANDARDS ASSOCIATION			
		JICA CENTER		Tokyo International Center			
		COOPERATION PERIOD		2004 ~ 2008			
		REMARKS					

Seminar for Staff Training on Evaluation Management of National R&D Project 産業技術に係る研究開発プロジェクト評価運営者の育成セミナー		 Multi-participants	 Multi-year	J0600940
Private Sector Development—Industrial Development Institution 10 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>It is significant to feed the results of investigation, analysis and assessment of the ongoing or completed national research and development projects back to the planning division for the effective optimal allocation of national resources. Taking this condition into consideration, the program aims to provide knowledge and practical skills for the accurate assessment of the target, operation system.</p> <p>In order to achieve the above objective, participants are required to:</p> <ol style="list-style-type: none"> <li>1. understand the current R&amp;D project evaluation system in developing countries,</li> <li>2. understand the objective, content and process of R&amp;D project evaluation,</li> <li>3. understand the organization structure and management for R&amp;D evaluation,</li> <li>4. strengthen the ability of project evaluation management and its external evaluation,</li> <li>5. create an improvement plan.</li> </ol>		<p>Governmental officials or related who engage in planning and administration in the evaluation of national research and development projects.</p>		
CONTENTS		PROGRAM PERIOD	Jan.8.2007 ~ Feb.3.2007	
<p>Preparatory phase: Participants are required to create inception reports: If a country has already introduced R&amp;D evaluation system, they address the content and problems on R&amp;D evaluation system. If a country has not yet introduced R&amp;D evaluation system, they describe the statistics of R&amp;D projects and R&amp;D evaluation concerned.</p> <p>Program in Japan: Lectures are conducted for the first week, visit and exercise are conducted for the second week, and creating an improvement plan and making its presentation for R&amp;D evaluation system are conducted for third week.</p> <p>Post-program activities: Submission of the report on the discussion for an improvement plan after the discussion meeting within her/his department.</p> <p>Lecture, discussion and visit: (1) Introduction of Research and Development (R&amp;D) Project in Japan (2) Outline of economic model for R&amp;D Project (3) Introduction of evaluation for R&amp;D Project (4) Introduction of evaluation methods for R&amp;D Project (5) Examples of the evaluation of R&amp;D Project (6) Exercise for developing and operating the evaluation systems (7) Country report presentation (8) Study visit</p>		IMPLEMENTING PARTNER	Mitsubishi UFJ Research and Consulting Co.,Ltd	
		JICA CENTER	Tokyo International Center	
		COOPERATION PERIOD	2005~2009	
		REMARKS		

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Industrial and Commercial Statistics for East Asia and ASEAN Countries 産業統計(東アジアおよびアセアン諸国)			Multi-year	J0600941
Target Countries: East Asia and ASEAN countries		Private Sector Development—Industrial Development Institution 8 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>OVERALL GOAL: To provide participants with general knowledge of industrial statistics, and to contribute to further statistical development</p> <p>OBJECTIVES : (1) to acquire knowledge and technique as to planning, and data collection, etc., regarding industrial statistics, (2) to acquire how to analyze statistics utilizing industrial statistics (3) to recognize the importance of industrial statistics which is internationally comparable.</p>	<p>(1) be officers currently engaged in the field of industrial statistics, (2) have more than 5 years of occupational experience in this field, (3) over 25 years of age but under 40 years of age, (4) have a sufficient knowledge of basic mathematics, etc.</p>			
CONTENTS	PROGRAM PERIOD	Oct.9.2006 ~ Nov.2.2006		
<p>Mainly consist of lectures on the following items: (1) Outlines of industrial statistics. (2) Various sorts of census surveys (manufactures and commerce) (3) Various sorts of current survey (production and commerce) (4) Enterprise based surveys (5) Secondary statistics (indices of industrial production, etc.) (6) Methods of analysis utilizing industrial statistics (7) Various sorts of classification (industrial classification, commodity classification, etc.) (8) Sampling techniques (9) The importance of internationally comparable statistics (10) On-site observation of statistical practice, etc. (11) Industrial statistics of participants' countries (Presentation by participants, etc.).</p>	IMPLEMENTING PARTNER	RESEARCH AND STATISTICS DEPT., METI		
	JICA CENTER	Tokyo International Center		
	COOPERATION PERIOD	2005 ~ 2009		
	REMARKS			

Bioindustry II バイオインダストリーII			Multi-participants	J0600792
Private Sector Development—Industrial Technology 10 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>[Objective] The participants will acquire knowledge and technology which can be used to develop suitable bioindustries for their respective countries and will make and implement the action plan "Introducing bioindustries to developing countries".</p> <p>[Expected Results] 1. To consider the current state of respective countries referring to the basic and wide range of applied biotechnology in Japan 2. To understand conservation and international collaboration for effective application of sustainable use of biological resources 3. To plan strategies for introducing bioindustries to their respective countries and responsibilities 4. To understand the role of biotechnology in society and public understanding</p>		<p>1. Administrative officers who are currently engaged in overall planning and implementing biotechnological policy, and experts who are presently engaged in biotechnology or related areas at national research institutes 2. At least 5 years of experience</p>		
CONTENTS		PROGRAM PERIOD	May.8.2006 ~ Jul.6.2006	
<p>1. Pre-training program - Creation of job report</p> <p>2. Training program in Japan - Basic biotechnology - Application of useful biological resources to industry (culture collection, databank, fermentation, etc.)</p> <p>3. Outline of convention on biological diversity - Technology for evaluating biological resources (preservation microbes, phylogeny analysis of bacteria, etc.)</p> <p>4. Japanese biotechnology (national policy, current state and future prospects) - TLO (Technology Licensing Organization) - Patents related to biotechnology</p> <p>5. Risk and public understanding on biotechnology - LMO (Living Modified Organisms)</p> <p>6. Post-training program - Creation of progress report</p>		IMPLEMENTING PARTNER	JAPAN BIOINDUSTRY ASSOCIATION	
		JICA CENTER	Chubu International Center	
		COOPERATION PERIOD	2003~2007	
		REMARKS	Japan Bioindustry Association ( <a href="http://www.jba.or.jp">http://www.jba.or.jp</a> )	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

<b>Nondestructive Inspection Technique for Quality Management &amp; Plant Asset Management</b> <b>非破壊検査技術Ⅲ</b>		Multi-participants	J0600818
		Private Sector Development—Industrial Technology 8 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>The purpose of the program is to provide indispensable principles and techniques for nondestructive inspection for quality assurance of industrial products so as to develop domestic industries in the respective countries.</p> <p>To reach this objective, participants are expected to achieve the following:</p> <p>(1) To understand the mechanism of occurrence of defects in metallic materials            (2) To understand the theory of nondestructive inspection techniques            (3) To select a proper inspection method according to the proposed use            (4) To acquire knowledge and skills for evaluating inspection results</p>	<p>(1) Engineers who have experience in inspection work including nondestructive inspection, or who will be engaged in it in the near future            (2) Graduates of university faculties of engineering or equivalent</p>		
CONTENTS	PROGRAM PERIOD	Feb.12.2007 ~ Jun.16.2007	
(1) Outline of NDI techniques (2) Technique for quality control (3) Relation between NDT and destructive testing (4) Outline of RT (5) Outline of SM (7) Outline of UT (8) Fundamentals of AE (9) Fundamentals of metallic materials (10) Practice in AE, ET, PT, MT, SM, UT, RT (11) Flaws in steel products and their inspection (12) Countermeasures for preventing defects in cast and forged steels (13) Flow in welding products and their inspection (14) Recent technological improvement in NDT progress (15) Maintenance inspection (16) Cleaner production (17) Practice in destructive testing	IMPLEMENTING PARTNER	KITAKYUSHU INT'L TECHNO-COOPERATIVE ASSOCIATION	
	JICA CENTER	Kyushu International Center	
	COOPERATION PERIOD	2003 ~ 2007	
	REMARKS		

<b>Training Courses for the International Welding Engineer</b> <b>国際溶接技術者研修</b>		Multi-participants	Multi-year	J0600861
		Private Sector Development—Industrial Technology 10 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>[Objective]            The participants learn fundamental welding technology and practical technology, enabling their proper application, and acquire on-site experience. Thus they are able to manage welding processes and foster welding engineers in their home countries.</p> <p>[Expected Results]            By the end of the training period, so as to be able to plan and manage welding procedures, and foster welding engineers, the participants are expected to have gained theoretical and practical knowledge of:</p> <ol style="list-style-type: none"> <li>1. Welding processes and equipment</li> <li>2. Materials and their behavior during welding</li> <li>3. Construction and design for welded products</li> <li>4. Welding fabrication, application engineering</li> <li>5. Nondestructive tests, etc.</li> </ol>	<p>[Target Organizations]            Welding engineers associations, vocational training schools for teaching welding technology, associations or organizations utilizing welding technology, and others</p> <p>[Target Group]            Welding engineers with more than 3 years of experience and under 40 years old</p>			
CONTENTS	PROGRAM PERIOD	Apr.3.2006 ~ Oct.21.2006		
<ul style="list-style-type: none"> <li>- Introduction to welding engineering, welding processes and equipment, welding metallurgy</li> <li>- Welding mechanics and design, welding fabrication, applications engineering</li> <li>- Test and inspection, quality control, safety and hygiene</li> <li>- Observation and practice in companies, research institutes and educational facilities</li> <li>- Short group training in companies</li> </ul>	IMPLEMENTING PARTNER	THE JAPAN WELDING ENGINEERING SOCIETY		
	JICA CENTER	Chubu International Center		
	COOPERATION PERIOD	2004 ~ 2008		
	REMARKS	Participants can obtain the Diploma of IWE in IIW, a qualification scheme for welding personnel, through the training upon passing the examination as part of the program. When submitting the application form, candidates are required to submit their graduation certificate, academic transcript, and English score sheet.		



OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Heat treatment and metal finishing technologies will be improved by promoting the basic and advanced technologies acquired through training course.                      To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1. To understand the essence of metal properties</li> <li>2. To understand the theory and techniques of strengthening and hardening by heat treatment and surface finishing technologies</li> <li>3. To understand quality control technology and pollution control technology</li> <li>4. To organize a technology improvement plan or technical assistance plan</li> </ol>	<ol style="list-style-type: none"> <li>1. Experts presently engaged in this field of technology at industry, research/educational institutes with at least two 2 years of experience</li> <li>2. Have basic physical and chemical knowledge</li> <li>3. Age: Under 35 years old</li> <li>4. Be proficient in speaking and listening to English</li> </ol>	
CONTENTS	PROGRAM PERIOD	Aug.21.2006 ~ Dec.2.2006
<p>Preparatory phase                      A country report and job report will be made, to grasp the current situation of respective countries and related technologies.</p> <p>Program in Japan                      The technology improvement plan or technical assistance plan will be created based on the following subjects:</p> <ol style="list-style-type: none"> <li>1. Basic knowledge of materials</li> <li>2. Hardening and strengthening of bulk materials</li> <li>3. Surface hardening and strengthening mainly by heat treatment</li> <li>4. Hardening and strengthening by surface finishing technology</li> <li>5. Corrosion protection process and control</li> <li>6. Quality control and environmental treatment</li> </ol> <p>Post-program activities</p> <ol style="list-style-type: none"> <li>1. To submit a technology improvement plan or technical assistance plan to the related sections and implement the action plan.</li> <li>2. To submit a progress report describing the results in realizing the action plan</li> </ol>	<p>IMPLEMENTING PARTNER</p>	<p>AICHI INDUSTRIAL RESEARCH ASSOCIATION</p>
	<p>JICA CENTER</p>	<p>Chubu International Center</p>
	<p>COOPERATION PERIOD</p>	<p>2005~2009</p>
	<p>REMARKS</p>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.



OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>For implementation of policies with highly priority, private investment and its service would be introduced besides governmental resources.                      Participants are required to :</p> <ol style="list-style-type: none"> <li>1. clarify the difference between the government-led policies and PPP,</li> <li>2. plan the extension to the public for the policies with priority or needs survey from the public,</li> <li>3. identify the objective and the role of actors for the prioritized issue and develop PPP project,</li> <li>4. understand how to settle indicators,</li> <li>5. create an inception report for PPP.</li> </ol>	<p>Central or local governmental officials who are in charge of public – private partnership with more than 5 years of occupational experience</p>	
CONTENTS	PROGRAM PERIOD	Jan.14.2007 ~ Feb.10.2007
<p>Preparatory phrase:                      Participants should make and send the inception report to JICA regarding the most critical issue in respective countries or regions in advance to the program Japan.</p> <p>Program in Japan:                      Interim reports should be developed by the participants' understanding of the effective and efficient know-how, taken into consideration the penetration of public services for the poor.</p> <p>Post-program activities:                      Participants are required to :</p> <ol style="list-style-type: none"> <li>1. hold a seminar within 1 month from their return home to extend the concepts of PPP and their interim Report.</li> <li>2. complete the final report to JICA within 2 months from their return. A consultation would be made by JICA Net video conference system.</li> </ol> <p>Lecture, discussion and visit:                      (1) Introduction to PPP and its current environment in the world                      (2) PPP classification                      (3) Key issues in PPP (Political / Legal aspects)                      (4) Cases on PPP in Infrastructure Development and Social Service Development                      (5) Project Planning Exercise as Interim report</p>	IMPLEMENTING PARTNER	Mitsubishi UFJ Research and Consulting Co.,Ltd
	JICA CENTER	Tokyo International Center
	COOPERATION PERIOD	2005~2009
	REMARKS	<p>FU would be considered on the basis of the participants' requests.</p>

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Trade and Investment Promotion Seminar(Latin American Countries) 貿易・投資促進実務(中南米)		J0600731	
Target Countries: Latin America		Private Sector Development—Trade and Investment 11 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
This program places particular emphasis on the acquisition of knowledge in the following areas: (1)Promotion of Manufacturing Industries (2)Trade(Export) Promotion (3)How to invite suitable foreign investors (4)Japanese experiences and the present situation	Officials belonging to governmental or semi-governmental organizations with more than 5 years of practical experience in the administration of trade and / or investment promotion		
CONTENTS	PROGRAM PERIOD	Jun.13.2006 ~ Jul.27.2006	
(1)Promotion of Manufacturing Industries:History of Japanese industrial Policy / Economic development of Latin American countries / Support for Small & Medium Enterprises(SMEs) (2)Trade(Export) Promotion: WTO and international relationships / Standardization and Quality Control / Japanese Trade Promotion efforts and activities / Trade Insurance System / Japan as a Market (3)How to invite suitable foreign investors:Technology(Resources) transfer to recipient countries / Ideal conditions to attract investors / Economic relationships between Latin American Countries and Japan / Recent trend in Japanese overseas direct investments / Sogo shosha—Its roles nad activities (4)Country Report Presentation and discussion (5)Market Research (6)Field Trip and observations	IMPLEMENTING PARTNER	WORLD TRADE CENTER TOKYO,INC.	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2002 ~ 2006	
	REMARKS		

Trade and Investment Promotion Seminar(Asian Countries) 貿易・投資促進実務(アジア)		J0600732	
Target Countries: Asia		Private Sector Development—Trade and Investment 11 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
This program places particular emphasis on the acquisition of knowledge in the following areas: (1)Promotion of Manufacturing Industries (2)Trade(Export) Promotion (3)How to invite suitable foreign investors (4)Japanese experiences and the present situation	Officials belonging to governmental or semi-governmental organizations with more than 5 years of practical experience in the administration of trade and / or investment promotion		
CONTENTS	PROGRAM PERIOD	Apr.4.2006 ~ May.18.2006	
(1)Promotion of Manufacturing Industries:History of Japanese industrial Policy / Economic development of Asian countries / Support for Small & Medium Enterprises(SMEs) (2)Trade(Export) Promotion: WTO and international relationships / Standardization and Quality Control / Japanese Trade Promotion efforts and activities / Trade Insurance System / Japan as a Market (3)How to invite suitable foreign investors:Technology(Resources) transfer to recipient countries / Ideal conditions to attract investors / Economic relationships between Asian Countries and Japan / Recent trend in Japanese overseas direct investments / Sogo shosha—Its roles and activities (4)Country Report Presentation and discussion (5)Market Research (6)Field Trip and observations	IMPLEMENTING PARTNER	WORLD TRADE CENTER TOKYO,INC.	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2002 ~ 2006	
	REMARKS		



Trade and Investment Promotion Seminar(African and Middle Eastern Countries) 貿易・投資促進実務(アフリカ・中近東)		J0600733	
Target Countries: Africa and Middle East		Private Sector Development—Trade and Investment 12 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
This program places particular emphasis on the acquisition of knowledge in the following areas: (1)Promotion of Manufacturing Industries (2)Trade(Export) Promotion (3)How to invite suitable foreign investors (4)Japanese experiences and the present situation	Officials belonging to governmental or semi-governmental organizations with more than 5 years of practical experience in the administration of trade and / or investment promotion		
CONTENTS	PROGRAM PERIOD	Sep.6.2006 ~ Oct.19.2006	
(1)Promotion of Manufacturing Industries:History of Japanese industrial Policy / Economic development of African and Middle Eastern countries / Support for Small & Medium Enterprises(SMEs) (2)Trade(Export) Promotion: WTO and international relationships / Standardization and Quality Control / Japanese Trade Promotion efforts and activities / Trade Insurance System / Japan as a Market (3)How to invite suitable foreign investors:Technology(Resources) transfer to recipient countries / Ideal conditions to attract investors / Economic relationships between African and Middle Eastern Countries and Japan / Recent trend in Japanese overseas direct investments / Sogo shosha-Its roles nad activities (4)Country Report Presentation and discussion (5)Market Research (6)Field Trip and observations	IMPLEMENTING PARTNER	WORLD TRADE CENTER TOKYO,INC.	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2002 ~ 2006	
	REMARKS		

Management on Trade and Investment Insurance 貿易保険制度運用		J0600734	
		Private Sector Development—Trade and Investment 10 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
The purpose of this seminar is to facilitate each country's trade insurance system by providing training programs on Japan trade insurance system and its management through presentation and demonstration to officials of governments and governmental organizations in charge of the related field of trade promotion as well as trade insurance system. The program places emphasis on helping participants, who are beginners or have limited experience in the field of trade insurance business, to have the basic knowledge of Japan trade insurance.	TARGET GROUPS 1) Officials of governments or governmental organizations in charge of planning and management of trade promotion area preferably in the field of trade insurance if there exist such system (2)with more than five years of experience in the trade promotion area and (3)with sufficient command of spoken and written English.		
CONTENTS	PROGRAM PERIOD	Sep.18.2006 ~ Oct.14.2006	
This program mainly consists of lectures, discussions and field studies, and covers the following; (1) the purpose, the role and the characteristics of Trade and Investment Insurance (2) the outline of Trade and Investment Insurance System in Japan (risk management, short-term insurance, medium-to- long-term insurance, claims and recoveries, and others) (3) the visits to the trade insurance related institutions and companies (4) Country Report Presentation	IMPLEMENTING PARTNER	JAPAN TRADE AND INVESTMENT INSURANCE ORGANIZATION	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2002 ~ 2006	
	REMARKS		

Foreign Trade Development II 貿易促進 II		Multi-participants		Multi-year		J0600849	
		Private Sector Development—Trade and Investment 12 participants / English					
OBJECTIVE				TARGET ORGANIZATION / GROUP			
Participants will make an Action Plan to solve the problems and issues concerning bilateral or multilateral trade policy in their country. To reach the objective, participants are expected to achieve the following: 1. To understand the history and culture of Japan regarding economic development 2. To understand the role of the Japanese private-sector, including small, medium and large sized companies 3. To understand the logistical system of Japan at home and abroad 4. To understand the measures and policies of the public sector, especially trade-supporting institutions 5. To understand actual activities for trade promotion and development of trade companies				[Target Group] Leading officers presently engaged in the administration of foreign trade			
CONTENTS				PROGRAM PERIOD		Jun.4.2006 ~ Jul.22.2006	
Lectures: The history and culture of Japan regarding economic development, the role of the Japanese private-sector, logistical systems in Japan, the measures and policies of the public sector, activities for trade promotion and development of Japanese firms Observation: Trade companies, wholesalers, JETRO, industries, traditional local industries				IMPLEMENTING PARTNER		KOBE UNIVERSITY	
				JICA CENTER		Hyogo International Center	
				COOPERATION PERIOD		2004 ~ 2008	
				REMARKS		Countries with a special interest in trade with Japan are welcome.	

Improvements of Implementation on Security Exports Controls in Asia アジアにおける輸出管理運用技術向上		Multi-year		J0600881	
Target Countries: East and Southeast Asia		Private Sector Development—Trade and Investment 10 participants / English			
OBJECTIVE			TARGET ORGANIZATION / GROUP		
OVERALL GOAL: To promote Security Export Control systems for the early establishment of the system in Asia by providing information to government officials related to security export control policy, export licensing, and enforcement. PURPOSE: (1) To develop the ability to accurately understand the significance of security export controls and the international trends on nonproliferation. (2) To develop the ability related to introducing nonproliferation security export control systems. (3) To develop the ability to detect the concerned transaction (items, end-use, end-user).			(1) Government officials related to security export control policies, licensing, and enforcement (2) At least one (1) year of experience in this field (3) Must have at least B.A./B.S. or equivalent academic degree. (4) Must be at least 25 years old, but no older than 55.		
CONTENTS			PROGRAM PERIOD		Nov.5.2006 ~ Nov.18.2006
(1) Presentation: Country Report (2) Introductions of Controlled Items and Commodity Identification Presentations on nuclear weapons, chemical/biological weapons, missiles and conventional weapons related items will be made. World's Nonproliferation System - Current Status of WMD Proliferation - Non-proliferation and overview of International Export Control Regimes Export Control System in Japan - Legal System; Export Licensing Practice; Enforcement; Field Trips to Customs Voluntary Export Control by Private Sector - Explanation of Security Export Control System; Field Trips to Japanese Companies (3) Discussion: The Future of Export Control System in the Asian Region			IMPLEMENTING PARTNER		CENTER FOR INFORMATION ON SECURITY TRADE CONTROL
			JICA CENTER		Tokyo International Center
			COOPERATION PERIOD		2004 ~ 2008
			REMARKS		





OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Marketing plan targeting the Japanese market will be created at participants' institutions.</p> <p>To reach the objective, participants are required to achieve following results:</p> <ol style="list-style-type: none"> <li>1.to analyze the present situation and issues of each participants' country.</li> <li>2.to comprehend the outline of Japanese tourism administration and tourism industry.</li> <li>3.to comprehend the trend of Japanese market, the characteristic of Japanese, packaging of tourism products in Japan.</li> <li>4.to comprehend the methods and cases of marketing/ promotion targeting Japan of other countries and discover the way to improve the method of marketing of own institution.</li> </ol>	<p>Currently engaged in tourism promotion activities in the governmental or other public tourism organizations with the occupational experience of more than 3 years</p>	
CONTENTS	PROGRAM PERIOD	Jun.4.2006 ~ Jul.8.2006
<p>Preparatory phase: Participants will pre-view the Module 1: "Destination Marketing for attracting Japanese Market", compiled in CD/ROM of Tourism Development delivered by JICA Tokyo.</p> <p>Program in Japan: With the main components of experience &amp; observations, or case-study &amp; discussions, participants will clarify the issues of their own marketing methods and make a marketing oriented business solution.</p> <p>Post-program activities: •The knowledge and output(marketing plan) obtained from the training will be shared at the own institution and among the personnel concerned in Tourism industry of own country.</p>	IMPLEMENTING PARTNER	JAPAN TRANSPORT COOPERATION ASSOCIATION
	JICA CENTER	Tokyo International Center
	COOPERATION PERIOD	2005~2009
	REMARKS	<p>In case such as output(marketing plan targeting Japanese market) of training will be supported by own institution and own government, participants will propose distance educational program (JICA-NET seminar) to JICA Tokyo to follow up his / her own plan, in order to realize new tourism products or find out business solutions.</p>

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Intellectual Property Rights II 国際知的財産権 II		Multi-participants		Multi-year		J0600993	
		Private Sector Development—Trade and Investment 10 participants / English					
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>1.recognize the importance of fostering IPR experts and public education to raise awareness of the law as a prerequisite for intellectual property (IP) protection and, furthermore, acquire skills needed to propose means and methods by which to foster IPR experts and public education in their countries through the example of similar activities in Japan,</p> <p>2.recognize the severe social and economic effects of IPR infringement and acquire skills needed to propose countermeasures necessary for implementation by the governments of their countries,</p> <p>3.acquire skills needed to propose means and methods by which to establish and improve upon systems for more expedient and proper resolution of disputes, and</p> <p>4.acquire skills needed to propose policies to the governments of their countries for the purpose of supporting research and development into and the creation of IPs.</p>				<p>(1)Senior administrators in charge of legislation of intellectual property rights or in charge of policy making, or in position of making technical suggestion in their fields with practical experience of at least 3 years in this field</p> <p>(2) Under 45 years of age</p>			
CONTENTS				PROGRAM PERIOD		May.15.2006 ~ Jul.22.2006	
<p>This program consists of lectures, Tutorial studies and discussion including final symposium. The main themes are:</p> <ul style="list-style-type: none"> <li>•Overview of IPR Laws and New Issues Arisen</li> <li>•IPR Education</li> <li>•Utilization: Regulating IPR Infringement</li> <li>•Dispute Resolution Systems</li> <li>•Creation, Utilization and R&amp;D Support</li> <li>•Case studies:Important IPR Infringement Judicial Precedents</li> <li>•Practical Exercises:Transfer Technology Contracts</li> </ul>				IMPLEMENTING PARTNER		KYOTO COMPARATIVE LAW CENTER	
				JICA CENTER		Osaka International Center	
				COOPERATION PERIOD		2005 ~ 2009	
				REMARKS			

Operation of Understanding on Rules and Procedures Governing the DSU, WTO Agreement WTO協定・紛争解決了解の運用		Multi-participants		Multi-year		J0603496	
		Private Sector Development—Trade and Investment 10 participants / English					
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>Practicing the DSU requires advanced knowledge, and developing nations are still in the process to fully administer the rules. Therefore, this program is designed for the government officials from developing nations to :</p> <ol style="list-style-type: none"> <li>1. understand the procedure of the WTO dispute Settlement Understanding,</li> <li>2. deepen and widen the understanding of well-known Panel Cases, and</li> <li>3. exercise themselves in order to brush up the ability in dealing with the Dispute Settlement.</li> </ol>				<p>(1) be governmental officials engaged in the work to the WTO DSU, and who have more than 5 years of occupational experience, (2) be university graduates, learned Economic Law, (3) be over thirty (30) but under forty-five (45) years of age, etc.</p>			
CONTENTS				PROGRAM PERIOD		Jan.28.2007 ~ Feb.11.2007	
<p>The following subjects will be covered in this program in the form of lecture, discussion and presentation.</p> <ol style="list-style-type: none"> <li>1. Over viewing Session on the WTO Agreements</li> <li>2. Outline of the Dispute settlement Procedure</li> <li>3. Enhancing the Understanding of the Panel Case – Analysis of the well-known Dispute Settlement Case–</li> <li>4. Drafting the Submission on a Fictional Dispute Case</li> <li>5. Summary and Closing Remarks</li> </ol>				IMPLEMENTING PARTNER		Institute for International Trade and Investment	
				JICA CENTER		Tokyo International Center	
				COOPERATION PERIOD		2006 ~ 2010	
				REMARKS			

<b>Regional Tourism Development and Sustainable Tourism Promotion</b> <b>地域観光開発と持続可能な観光振興</b>		 Multi-participants	 Multi-year	J0603525
Private Sector Development—Trade and Investment 13 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
This program aims to teach the knowledge and effective skills required for sustainable tourism development from multiple viewpoints including environmental, economic, socio-cultural and political perspectives. The participants are expected: (1) To learn basic ideas, conceptual frameworks, and techniques for developing sustainable tourism (2) To acquire skills to identify and analyze problems concerning sustainable tourism development from multiple viewpoints including environmental, economic, socio-cultural, and political perspectives (3) To present tentative proposals on sustainable tourism development through conducting field study on Japanese cases (4) To propose action plans for realizing sustainable tourism in participants' countries		[Target Organizations] Ministries, local governments, and NGOs in charge of tourism  [Target Group] (1) Officers engaged in the planning and development of sustainable tourism either in central or regional government, or members of NGOs engaged in sustainable tourism development (2) Have about 3 years of work experience (3) Age: Under 40 years old		
CONTENTS		PROGRAM PERIOD	Sep.5.2006 ~ Nov.12.2006	
(1) Present status and problems in tourism development in participants' countries (job report presentation, issue analysis workshop) (2) Case of tourism administration and sustainable tourism development (lectures/visits) (3) Environmental preservation efforts (lectures/visits) (4) Cases of environmentally-friendly tourism development (lectures/visits) (5) Know-how of field survey (lectures/fieldwork /date analysis) (6) Final report (a) Group report: Prepare a proposal to the field survey site based on the fieldwork results (b) Individual report: Prepare a proposal to the participant's organization and the action plan		IMPLEMENTING PARTNER	Commerce, Industry & Labour Dept., Hiroshima Pref. Go	
		JICA CENTER	Chugoku International Center	
		COOPERATION PERIOD	2001 ~ 2005	
		REMARKS	This program does not aim to give knowledge and skills regarding commercial promotion and marketing in mass tourism.	












OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The ability to plan, design and implement agricultural statistics surveys at participants' organization will be improved to enhance the organizational system related to agricultural statistics.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To understand the important role of agricultural statistics for policy formulation                      (2) To understand a vision to improve agricultural statistics in accordance with the countries' development                      (3) To understand the entire process for agricultural statistics (agricultural census and sample survey)                      (4) To understand data processing using advanced technology</p>	<p>(1) Senior government officials engaged in the planning and administration of agricultural statistics (excluding forestry and fishery statistics)                      (2) University graduate or equivalent, and have at least 10 years of experience in the above field                      (3) Age: At least 35 years old</p>	
CONTENTS	PROGRAM PERIOD	Aug.1.2006 ~ Sep.9.2006
<p>(1) The role of agricultural statistics and information in implementing agricultural policy                      (2) Improvement and enforcement of agricultural statistics in accordance with countries' development                      (3) System of Japanese technical cooperation in agricultural statistics                      (4) Problems in statistical surveys among participating countries and possible countermeasures                      (5) Planning and designing of agricultural census                      (6) Planning and designing of sample survey (including crop survey)                      (7) Application of advanced technology in agricultural statistics survey (remote sensing)                      (8) Advanced utilization of data on agricultural statistics (GIS)</p>	IMPLEMENTING PARTNER	National Federation of Agriculture and Forestry
	JICA CENTER	Tsukuba International Center
	COOPERATION PERIOD	2002 ~ 2006
	REMARKS	

Zero Emission-Type Agriculture & Environmental System for Rural Area ゼロ・エミッション型農業・農村環境システム			Multi-participants	J0600758
Agricultural/Rural Development—Agricultural Policy and System 8 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>To develop human resources who are able to operate applicable zero emission-type agriculture and environmental systems for rural areas in terms of both systems and technologies</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To understand environmental problems related to agricultural and rural activities, and the importance of zero-emission type agriculture and rural environmental systems</p> <p>(2) To understand the technologies and systems related to productive exploitation of resources caused by agricultural and rural activities and utilization of natural energy</p> <p>(3) To clarify the present situation, challenges, etc. regarding environmental problems related to agricultural and rural activities in participants' own countries, and prepare action plans concerning the introduction of applicable zero-emission type agriculture and rural environmental systems in their own countries</p>		<p>1) Professional engineers or administrative officers in a position of leadership to resolve agricultural/environmental issues after their return</p> <p>2) Public institutions or farmers' organizations</p> <p>3) Middle-ranking officers who have been engaged in agricultural and environmental issues for at least 5 years</p>		
CONTENTS		PROGRAM PERIOD	Feb.11.2007 ~ Apr.12.2007	
<p>Preparatory phase: To submit a Job Report which includes an introduction of work, problems faced in the participant's country, fields of particular interest and the reason, as well as a questionnaire</p> <p>Program in Japan: This program consists of lectures, discussions and observation on the following subjects:</p> <p>(1) Environmental issues related with agriculture and rural community activities (soil depletion, water pollution, greenhouse gas emissions, etc.)</p> <p>(2) Techniques for controlling and reutilizing excess wastes related with agricultural activities (biogas, sunlight and wind generated electricity, etc.)</p> <p>(3) System for controlling and utilizing excess wastes related with agriculture activities</p> <p>To make a concrete Action Plan which describes project objectives, outputs, major activities, etc. after returning.</p> <p>Post-program activities: After participants' return, the Japanese side mainly executes the following:</p> <ul style="list-style-type: none"> <li>- Uses a website for establishing a network of former participants. The contents are introduction of training in Japan, exchange of information among them, etc.</li> <li>- Conducts a questionnaire about the effect, diffusion of training in Japan and execution of action plan, etc.</li> </ul>		IMPLEMENTING PARTNER	OBIHIRO UNIV. OF AGRICULT. & VETERINARY MEDICINE	
		JICA CENTER	Obihiro International Center	
		COOPERATION PERIOD	2003~2007	
		REMARKS		

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

<b>Plant Variety Protection</b> <b>植物品種保護</b>		Multi-participants		Multi-year		J0600924			
Agricultural/Rural Development—Agricultural Policy and System 9 participants / English									
OBJECTIVE				TARGET ORGANIZATION / GROUP					
<p>The main objective of this program is to strengthen the implementation of the Plant Breeders' Rights system under UPOV in each country, taking into account the environment of the countries.</p> <p>To reach the objectives, participants are expected to achieve the following:</p> <p>(1) To understand the outline of plant variety protection (plant breeders' rights) system under UPOV and the Japanese System</p> <p>(2) To learn the Japanese way of examining applied plant varieties for registration of plant variety protection</p> <p>(3) To learn how to set up test guidelines used for the examination</p>				<p>(1) Staff who is engaged or supposed to be engaged in plant variety protection</p> <p>(2) University graduate or equivalent academic background</p> <p>(3) Age: 30-45 years old</p>					
CONTENTS				PROGRAM PERIOD	Aug.22.2006 ~ Nov.11.2006				
<p>This program consists of lectures, practical exercises, study tours, presentations and discussions. It mainly covers:</p> <p>(1) Outline of the plant variety protection system (Outline of the PBR system in Japan, Outline of the UPOV system, Ordinance of PBR in the legal bases, Implementation of the PBR system in developing countries and its application for facilitating the market economy, International harmonization of the PBR system, etc.)</p> <p>(2) Examination of applied plant varieties (Outline of the DUS test, Growing test, On-site inspection, Documentary examination, Simulation of applied plant variety for PBR registration, etc.)</p> <p>(3) How to set up test guidelines (UPOV and the Japanese protocol of making test guidelines, making test guidelines based on each country's preference, etc.)</p>				IMPLEMENTING PARTNER	NATIONAL CENTER FOR SEEDS AND SEEDLINGS				
				JICA CENTER	Tsukuba International Center				
				COOPERATION PERIOD	2005 ~ 2009				
				REMARKS					

<b>Agricultural Extension Planning and Management II</b> <b>農業普及企画管理者Ⅱ(年2回実施1回目)</b>		Multi-participants		Multi-year		J0600926			
Agricultural/Rural Development—Agricultural Policy and System 10 participants / English									
OBJECTIVE				TARGET ORGANIZATION / GROUP					
<p>The capacities of the participants to promote the agricultural extension service in their own countries by planning efficient extension programs and implementing the training programs for agricultural extension officials as well as field workers are developed.</p> <p>To reach the objective, participants are expected to :</p> <p>1. Write JOB REPORT by identifying and analyzing the problems as individual, as institutional and in the responsible region</p> <p>2. Acquire following methodologies through lectures, discussions or observations;</p> <p>(a)the outline and principles of extension service (its structure, background, process behind agricultural improvement and status of administration &amp; management of extension services in Japan), (b)the methods of progress management and evaluation of extension services, (c)the methods of extension planning, management and making extension programs, (d)the method of training for extension personnel, (e)the method to identify problems and tasks by analyzing the state of extension services in their own countries</p> <p>3. make technical report and action plan integrating the knowledge and experiences gained from training program</p>				<p>(1) Public management executives in charge of agricultural extension service in national or local government including extension offices</p> <p>(2) Management executives concerned with the education of workers in training organizations</p> <p>(3) Under 50 years old and university graduate or have equivalent academic background</p>					
CONTENTS				PROGRAM PERIOD	May.9.2006 ~ Jul.15.2006				
<p>The following subjects are included through lectures, discussions and observation tours</p> <p>(1) Background of Extension Programs , Outline of Agricultural Improvement and Extension Programs</p> <p>(2) Principles and Methods of Extension Activities, Various Extension Methods and classification, Evaluation Method of Extension Activities</p> <p>(3) Extension Planning, Extension Management, Making Extension Programs</p> <p>(4) Management of Extension Staff, Outline of Extension Staff and Planning of Training</p> <p>(5) Application of the Training in Participants' Own Countries</p>				IMPLEMENTING PARTNER	MINISTRY OF AGRICULTURE, FORESTRY AND FISHERIES				
				JICA CENTER	Tsukuba International Center				
				COOPERATION PERIOD	2005 ~ 2009				
				REMARKS					

<b>Agricultural Extension Planning and Management II</b> <b>農業普及企画管理者Ⅱ(年2回実施2回目)</b>		Multi-participants	Multi-year	J0600927
Agricultural/Rural Development—Agricultural Policy and System 10 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
The capacities of the participants to promote the agricultural extension service in their own countries by planning efficient extension programs and implementing the training programs for agricultural extension officials as well as field workers are developed. To reach the objective, participants are expected to : 1. Write JOB REPORT by identifying and analyzing the problems as individual, as institutional and in the responsible region 2. Acquire following methodologies through lectures, discussions or observations; (a)the outline and principles of extension service (its structure, background, process behind agricultural improvement and status of administration & management of extension services in Japan), (b)the methods of progress management and evaluation of extension services, (c)the methods of extension planning, management and making extension programs, (d)the method of training for extension personnel, (e)the method to identify problems and tasks by analyzing the state of extension services in their own countries 3. make technical report and action plan integrating the knowledge and experiences gained from training program		(1) Public management executives in charge of agricultural extension service in national or local government including extension offices (2) Management executives concerned with the education of workers in training organizations (3) Under 50 years old and university graduate or have equivalent academic background		
CONTENTS		PROGRAM PERIOD	Aug.29.2006 ~ Nov.4.2006	
The following subjects are included through lectures, discussions and observation tours (1) Background of Extension Programs , Outline of Agricultural Improvement and Extension Programs (2) Principles and Methods of Extension Activities, Various Extension Methods and classification, Evaluation Method of Extension Activities (3) Extension Planning, Extension Management, Making Extension Programs (4) Management of Extension Staff, Outline of Extension Staff and Planning of Training (5) Application of the Training in Participants' Own Countries		IMPLEMENTING PARTNER	MINISTRY OF AGRICULTURE,FORESTRY AND FISHERIES	
		JICA CENTER	Tsukuba International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS		

<b>The Role of Agricultural Cooperatives to be Played in Activation of Rural Economy II</b> <b>農村経済活性化に果たす農協の役割Ⅱ</b>		Multi-participants	Multi-year	J0600969
Agricultural/Rural Development—Agricultural Policy and System 13 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
Participants are expected to make practical action plans to promote the movement of organizing agricultural cooperatives, to strengthen their operational and managerial capacities, and/or to incorporate the activities of agricultural cooperatives into agricultural policies to activate rural economies. To reach the objective, participants are expected to achieve the following: (1) To learn how to establish the basis of or to strengthen agricultural cooperatives (2) To learn how to improve the business activities of agricultural cooperatives by understanding the main business systems of Japanese agricultural cooperatives (3) To study the activities to be conducted by agricultural cooperatives for revitalizing rural economies (4) To learn how to improve the policy for promotion of agriculture and agricultural cooperatives (5) To make action plan or policy to promote agricultural cooperatives by using a methods such as PDM		(1) University or professional school graduate currently capable of managing projects at the offices of cooperative service (2) Expected to work in the cooperative movement for at least 5 years after attending the program (3) Age: Under 45 years old		
CONTENTS		PROGRAM PERIOD	May.9.2006 ~ Jul.13.2006	
This program consists mainly of lectures and discussions with more than 30% of its program being allocated to field trips. The main topics covered are: 1) History and development of agriculture and agricultural cooperatives 2) Organizations and business activities of agricultural cooperatives 3) Farm guidance by agricultural cooperatives 4) Distribution of agricultural products and purchasing and marketing businesses, etc.		IMPLEMENTING PARTNER	THE INST.FOR THE DEV'T OF AGRICULT'L COOP. IN ASIA	
		JICA CENTER	Tsukuba International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS		

<b>GIS(Geographic Information System) Technology for Sustainable Management of Natural Resources and Agricultural Production</b> <b>GIS(地理情報システム)による天然資源・農産物の管理</b>		Multi-participants	Multi-year	J0600987
		Agricultural/Rural Development—Agricultural Policy and System 7 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
Methods of managing natural resources and agricultural products will be improved qualitatively and technologically. To reach the objectives, participants are expected to achieve the following: 1. To acquire basic theory and techniques on GIS technology 2. To acquire basic techniques on how to manage natural resources and agricultural products by GIS 3. To acquire basic techniques about building a management system for natural resources and/or agricultural products based upon GIS 4. To organize issues on how to manage natural resources and agricultural products, and to make an improvement plan	(1) In a position to disseminate basic knowledge on GIS, (2) Beginners of GIS applications, (3) University staff/institute researchers in agricultural sciences engaged in teaching or research on sustainable management problems of natural resources or officials engaged in policy-making for the above-mentioned field with at least 5 years of experience			
CONTENTS	PROGRAM PERIOD	Aug.14.2006 ~ Sep.21.2006		
1. Introduction to GIS for sustainable management of natural resources and agricultural products 2. Basic theory of GIS (I): Concept of GIS (data structure, how to generate GIS data) 3. How to manipulate the GRASS tool: Construction of GIS system (GRASS-Commands Operation) 4. Basic theory of GIS (II): Generation of evaluation maps for land utilization by GRASS 5. Application of remote sensing data to GIS: Data processing technology of remote sensing data 6. Application of GPS to GIS 7. Application of GIS to natural resources management and agricultural products 8. Visits and observation: Visits to a map company or an aerial survey company with GIS technology in Nagoya City Visits to rural areas in Japan for observing places where GIS is applied	IMPLEMENTING PARTNER	Nagoya Univ. Int'l Agric. Research Cooperation C.		
	JICA CENTER	Chubu International Center		
	COOPERATION PERIOD	2005 ~ 2009		
	REMARKS			


<b>The Course for IT System Techniques for Agriculture</b> <b>農業のITシステム化技術</b>		Multi-participants	Multi-year	J0603520
		Agricultural/Rural Development—Agricultural Policy and System Information and Communication Technology—Information and Communication Technology 8 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
Human resources in agricultural information services (excluding management and market information) are fostered to contribute to the improvement of agricultural production technology by utilizing agricultural information systems in various fields of agriculture in developing countries. To reach the objective, participants are expected to achieve the following: (1) To understand the functions and benefits of agricultural information network systems from an example of active utilization of computer networks (2) To be capable of information processing concerning the agricultural and livestock industry, using Microsoft Access (3) To be capable of performing data processing and analysis, using Microsoft Excel functions and the functions of Microsoft VBA.	1) Be in a position in an official institution, and collect and process agricultural data such as weather conditions, soil analysis, planting conditions using a PC and provide them to people involved in agriculture, with 3 years of experience in this field 2) Have mastered basic PC skills, have considerable knowledge of processing information using spreadsheet software 3) To submit individual tasks 4) Age: 25-40 years old			
CONTENTS	PROGRAM PERIOD	Jan.21.2007 ~ Apr.21.2007		
Preparatory phase: To submit a Job Report which includes an introduction of work, problems faced in the participant's country, fields of particular interest, reasons, and individual tasks Program in Japan: (1) Outline of agricultural related information processing: Information security and operation and management of systems, introduction of network systems (2) Exercise: Excel VBA and Access (3) Guidance and practice on individual tasks To make a concrete Action Plan which describes project objectives, outputs, major activities, etc. after returning. After participants' return, the Japanese side mainly executes the following: - Uses a website for establishing a network of former participants. The contents are introduction of training in Japan, exchange of information among them, etc. - Conducts a questionnaire about the effect, diffusion of training in Japan and execution of action plan, etc.	IMPLEMENTING PARTNER	FUJITSU HIGASHI-HOKKAIDO SYSTEMS ENG. LIMITED		
	JICA CENTER	Obihiro International Center		
	COOPERATION PERIOD	2001 ~ 2005		
	REMARKS			


<b>Agrobiotechnology II</b> <b>アグロバイオテクノロジー II</b>		Multi-participants		Multi-year		J0600003	
Agricultural/Rural Development—Agricultural Development 8 participants / English							
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>The purpose of the program is to enable experts to make the best use of bio-resources in the field of agrobiotechnology (livestock, higher plants, microorganisms) in which continuous technological innovations and higher applicabilities are expected in the near future.</p> <p>(1) To understand fundamental principles in biotechnology            (2) To understand the general situation of biotechnology and its application            (3) To acquire fundamental and experimental methods for biotechnology by screening, identification, molecular breeding and gene manipulation of microorganisms from the environment and type cultures            (4) To acquire fundamental and experimental methods for biotechnology by tissue culture, cell fusion, genetic and cellular engineering of animals and plants            (5) To obtain a general ability to select suitable biotechniques applicable in each country</p>				<p>Biotechnological officials presently engaged in research in the field of microorganisms, livestock and higher plants</p>			
CONTENTS				PROGRAM PERIOD	Mar.19.2007 ~ Aug.11.2007		
<p>Lectures/laboratory works:            General review of biotechnology,            clones and propagation of animals and plants,            gene mapping by molecular markers in programs for breeding microorganisms,            stress response and cellular signal transduction,            genetic engineering,            screening of immunopotential activities in food components, diagnostic analysis of pathogenic bacteria,            bio-remediation of environmental contaminants by microorganisms and their screenings and genetic modifications,            conservation and sustainable development</p>				IMPLEMENTING PARTNER	FACULTY OF AGRICULTURE, KOBE UNIVERSITY		
				JICA CENTER	Hyogo International Center		
				COOPERATION PERIOD	2005 ~ 2009		
				REMARKS			

<b>Pasture Based Livestock Farming Development</b> <b>草地畜産開発</b>		Multi-participants		Multi-year		J0600025	
Agricultural/Rural Development—Agricultural Development 6 participants / English							
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>The purpose of this training program is to transfer knowledge and skills on pasture based livestock farming to technical officials in charge of the livestock industry in their own countries.</p> <p>Participants are expected to acquire knowledge and skills on various aspects of pasture management and utilization, forage crops production and utilization, animal nutrition and feed, animal feeding management, etc.</p> <p>It should be emphasized that the program will train leading technical experts in charge of rural development through pasture based livestock farming.</p>				<p>(1) Be employed by a public organization which is doing administration, extension and/or research work on the livestock industry, have at least 3 years of work experience in pasture and forage crops production and management            (2) Age: Under 45 years old,            (3) University graduate or equivalent academic background,            (4) Not pregnant</p>			
CONTENTS				PROGRAM PERIOD	Apr.11.2006 ~ Aug.20.2006		
<p>This program consists mainly of lectures and practical training given by the NLBC staff and visiting professionals, and trips to study pasture management, forage crops production, etc. The main study and training subjects are as follows:</p> <p>(1) Outline of the livestock industry            (2) Planning pasture based livestock farming/technical extension            (3) Pasture management and utilization            (4) Production and utilization of forage crops            (5) Seeds production            (6) Animal nutrition            (7) Feed analysis            (8) Animal feeding management</p>				IMPLEMENTING PARTNER	NATIONAL LIVESTOCK BREEDING CENTER		
				JICA CENTER	Nihonmatsu JOCV Training Center		
				COOPERATION PERIOD	2005 ~ 2009		
				REMARKS			


Sustainable Dairy Farming System and Related Techniques 循環型酪農システム		Multi-participants		J0600334
Agricultural/Rural Development—Agricultural Development 7 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>Human resources for promotion of dairy farming are fostered based on the concept of "sustainable dairy farming system" such as "soil, crops→pasture→dairy cattle, stock farm product→animal waste→soil".</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To understand the principle and the significance of the recycling-oriented dairy farming system To understand the actual techniques of (2) to (6) and acquire applicable skills:</p> <p>(2) Breeding strategy and reproductive management of dairy cattle</p> <p>(3) Sustainable feed production</p> <p>(4) Management of dairy cattle</p> <p>(5) Sanitary management and disease prevention of dairy farming</p> <p>(6) Effective recycling of organic livestock wastes</p> <p>(7) To be able to draw up a dairy farming improvement plan for the respective country</p>		<p>1) Administrative officers engaged in policy-making, university staff, institute researchers in the field of dairy farming, or directors of extension staff of dairy farming techniques with sufficient knowledge of animal husbandry</p> <p>2) At least 3 years of experience in those fields</p> <p>3) University graduate or equivalent 4) Age: 25-40 years old</p>		
CONTENTS		PROGRAM PERIOD	Aug.6.2006 ~ Oct.26.2006	
<p>Preparatory phase: To submit a Job Report which includes an introduction of work, problems faced in the participant's country, fields of particular interest, and the reason</p> <p>Program in Japan: This program consists of lectures, practical exercises, observation and discussion:</p> <ul style="list-style-type: none"> <li>- Feed production and storage</li> <li>- Environmentally sound sustainable milk production</li> <li>- Sanitary management and disease prevention of dairy cattle</li> <li>- Ensuring safety of dairy products and the HACCP system</li> <li>- Recycling of organic livestock wastes.- Program study in laboratories To make a concrete Action Plan which describes project objectives, outputs, major activities, etc. after returning.</li> </ul>		IMPLEMENTING PARTNER	OBIHIRO UNIV. OF AGRICULT. & VETERINARY MEDICINE	
		JICA CENTER	Obihiro International Center	
		COOPERATION PERIOD	2002 ~ 2006	
		REMARKS	After participants' return, the Japanese side (domestic institutions) carries out follow-up cooperation for former participants, by supporting the holding of seminars and workshops.	


Cattle Artificial Insemination Extension System 牛人工授精普及システム		Multi-participants		Multi-year	J0600714
Agricultural/Rural Development—Agricultural Development 10 participants / English					
Target Countries: Countries with a meat cattle industry					
OBJECTIVE		TARGET ORGANIZATION / GROUP			
<p>The purpose of this program is to provide participants with basic knowledge and practical techniques coupled with the latest information on cattle reproduction, related improvement technology, semen production, artificial insemination, genetic improvement method, extension system, and artificial insemination planning, and thus to assist them in designing their own systems in their respective countries.</p>		<p>Be engaged in administration, research and/or extension works in the livestock industry, holding a veterinarians license or artificial inseminators license.</p> <p>University graduate or equivalent academic background and practical experience.</p> <p>Under 40 years old.</p> <p>Not pregnant.</p>			
CONTENTS		PROGRAM PERIOD	May.23.2006 ~ Aug.20.2006		
<p>The program will consist mainly of lectures and practical training in which the NLBC staff and visiting professionals will give expertise and instruction on the respective subjects. This will be supplemented by observation trips to the related agencies and institutions. The major subjects are as follows:</p> <p>(1) Outline of livestock industry</p> <p>(2) Technical extension</p> <p>(3) Reproductive physiology/reproduction management</p> <p>(4) Artificial insemination/pregnancy diagnosis method</p> <p>(5) Breeding management/improvement of reproduction</p> <p>(6) Semen production technology</p> <p>(7) Genetic improvement</p>		IMPLEMENTING PARTNER	NATIONAL LIVESTOCK BREEDING CENTER		
		JICA CENTER	Nihonmatsu JOCV Training Center		
		COOPERATION PERIOD	2006 ~ 2010		
		REMARKS			


OISCA Farmers Development Training Course オイスカ農業者育成研修			Multi-participants	J0600724
Target Countries: Asia and Pacific countries with OISCA overseas office		Agricultural/Rural Development—Agricultural Development 18 participants / Japanese		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>Participants are expected to understand the techniques of rice cultivation, vegetable production, fruit production, land improvement, basic methods of land survey, handling and daily care of agricultural machinery.</p> <p>This program is focused on the acquisition of specific skills and techniques.</p> <p>Expected Results:</p> <p>(1) To acquire knowledge and techniques related to rice cultivation, vegetable production, fruit production, land improvement, land measurement, basic methods of land survey, and handling and daily care of agricultural machinery operation in organic agriculture</p> <p>(2) To develop the technical skills required to encourage model farmers and regional leaders</p> <p>(3) To gain a knowledge of Japanese, experience and traditional technology of village-making, which is helpful to regional development in respective countries.</p>	<p>(1) Agricultural staff members or those engaged in agriculture as progressive farmers with at least 2 years of work experience in their specialty</p> <p>(2) High school graduate or equivalent</p> <p>(3) Age: 20-30 years old</p> <p>(4) Have strong willingness to engage in agriculture into the future</p>			
CONTENTS	PROGRAM PERIOD	Jan.17.2007 ~ Dec.15.2007		
<p>(1) Rice cultivation</p> <p>(2) Vegetable production</p> <p>(3) Fruit production</p> <p>(4) Land improvement</p> <p>(5) Basic methods of land survey</p> <p>(6) Handling and daily care of agricultural machinery</p>	IMPLEMENTING PARTNER	OISCA		
	JICA CENTER	Chubu International Center		
	COOPERATION PERIOD	2002 ~ 2006		
	REMARKS	<p>The program includes intensive Japanese language lessons (410 hours).</p> <p>*As this training program is given in Japanese, it is essential to master Japanese conversation.</p>		


Farm Management of Upland Crops 畑地帯農業管理			Multi-participants	J0600726
Target Countries: Asia and Pacific countries with OISCA overseas office		Agricultural/Rural Development—Agricultural Development 10 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>To foster human resources able to solve the problems of farming management and efficiently to extend acquired knowledge in the regional agriculture of developing countries.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To learn about agricultural technologies in Obihiro, Tokachi and the acquisition of techniques that can be introduced to the participants' home countries</p> <p>(2) To learn about Japan's system for disseminating agricultural technologies to discover an efficient method for disseminating technologies</p> <p>(3) To classify problems in the home countries of participants and to establish solutions</p> <p>(4) To understand the acquisition of techniques for analyzing survey research to solve problems</p>	<p>1) Regional government or local public officers engaged in extension service, in leading positions in regional agriculture, providing guidance on farm management of field crops directly to farmers excluding administrative officers and researchers at university or institutions providing technical support and guidance to regional agriculture</p> <p>2) Age: 25-35, not pregnant</p>			
CONTENTS	PROGRAM PERIOD	Jun.4.2006 ~ Aug.3.2006		
<p>Preparatory phase: To submit a Job Report which includes an introduction of work, problems faced in the participant's country, fields of particular interest and the reason, as well as a questionnaire</p> <p>Program in Japan: This program consists of lectures, practical exercises, observation and discussion.</p> <p>(1) Soil improvement, disease/insect damage control methods, and the necessity for environmental considerations in crop production</p> <p>(2) Necessity of growth surveys on crops, and acquisition of techniques for ensuring high crop yields and harvesting crops in the optimal condition</p> <p>(3) Methods for collecting and shipping harvested crops, as well as the necessity of distribution systems</p> <p>(4) Knowledge on how to establish systems for disseminating the techniques mentioned above for farm households To make a concrete Action Plan which describes project objectives, outputs, major activities, etc. after returning</p>	IMPLEMENTING PARTNER	CITY OF OBIHIRO		
	JICA CENTER	Obihiro International Center		
	COOPERATION PERIOD	2002 ~ 2006		
	REMARKS			





Embryo Transfer Technology for Domestic Animal 家畜受精卵移植技術			Multi-participants	J0600751
Target Countries: Countries with a meat cattle industry		Agricultural/Rural Development—Agricultural Development 8 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
The purpose of the program is to provide the latest ET technique in Japan for livestock breeding technicians in countries that need it, and ultimately to contribute to the progress of the animal industry by applying and improving the techniques according to their respective countries' condition. The program covers the basic theory and practice of ET for bovines as well as its administration.	Hold a veterinarians license or artificial inseminators license, and have sufficient knowledge and at least 3 years of practical experience in artificial insemination or ET for bovines. University graduate or equivalent academic background. Aged 27-40 years old. Not pregnant.			
CONTENTS	PROGRAM PERIOD	Feb.22.2007 ~ May.25.2007		
The program will consist mainly of lectures and practical training, in which the NLBC staff and visiting professionals will give expertise and instruction on the respective subjects. This will be supplemented by observation trips to the related agencies and institutions. The subjects are as follows: (1) Outline of the livestock industry (2) Reproductive physiology and application of the knowledge to ET practice (3) Physiology and morphology of bovine embryos (4) Embryo transfer procedure (5) Embryo transfer technology for improving livestock (6) ET-related technologies	IMPLEMENTING PARTNER	NATIONAL LIVESTOCK BREEDING CENTER		
	JICA CENTER	Nihonmatsu JOCV Training Center		
	COOPERATION PERIOD	2002 ~ 2006		
	REMARKS			

Sustainable Water Resources Development on Agricultural and Rural Area 農業農村における持続的な水資源開発			Multi-participants	J0600755
		Agricultural/Rural Development—Agricultural Development 12 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
The objective of this program is to promote capacity-building of administrative personnel concerning irrigation development projects and to enhance problem-solving capacity, in order to facilitate the implementation of irrigation and drainage projects and sustainable irrigation and agricultural development. To reach the objective, participants are expected to achieve the following: (1) The framework of policies and formulation of laws to promote projects (2) Effective methods of planning the implementation of projects in irrigation, (3)Organizational and technical systems for effective implementation of projects (4) The method of building consensus with farmers and the concepts of environmental conservation and gender consideration for promoting projects (5)The Project Cycle Management as an efficient planning, monitoring and evaluation method	1) Be engaged in administrative duties concerning irrigation and agricultural development projects, and to have either of the following experience:a) at least 10 years of experience or b) at least 5 years of experience in JICA counterparts' case 2) University graduate or equivalent 3) Age: Under 50 years old			
CONTENTS	PROGRAM PERIOD	Jan.28.2007 ~ Apr.13.2007		
The main contents of this program are as follows: Rural development and natural resources management Water-use adjustment Agricultural and rural development project in Japan System and structure of land improvement district Research planning for agricultural and rural development projects and evaluation of economic impacts Stock management & life-cycle cost of water facilities for agriculture Agricultural Land Act & Agricultural Promotion Area Act Multi functionality of agriculture, etc.	IMPLEMENTING PARTNER	Not Fixed		
	JICA CENTER	Tsukuba International Center		
	COOPERATION PERIOD	2002 ~ 2006		
	REMARKS			

Sustainable Use of Plant Genetic Resources 植物遺伝資源の持続的利用			Multi-participants	J0600770
Agricultural/Rural Development—Agricultural Development 4 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>The objective of this program is to upgrade the knowledge and techniques of researchers in the field of plant genetic resources, and to train participants capable of playing leadership roles in the exploration, collection, conservation, management, and evaluation of plant genetic resources, and especially in the sustainable use of plant genetic resources in their own countries.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To understand the outline of plant variety protection (plant breeders' rights) system under UPOV and the Japanese System</p> <p>(2) To learn the Japanese way of examining plant varieties for registration under plant variety protection</p> <p>(3) To learn how to set up test guidelines used for the examination</p>		<p>(1) University graduate or equivalent (non Ph.D. holder)</p> <p>(2) Presently engaged in research work in the field of plant genetic resources with at least 3 years of experience</p> <p>(3) Age: 25-35 years old</p>		
CONTENTS		PROGRAM PERIOD	May.9.2006 ~ Nov.3.2006	
<p>This program consists of common subjects (lectures, observation, discussion) for all participants and individual training (special research training/4 months) in the laboratory. Each participant is to take one of the following subjects for their special research training:</p> <p>(1) Characterizations of landraces and wild crop relatives in the genuses Oryza and Vigna</p> <p>(2) Molecular genetic diversity and phylogeny of crops and their wild relatives</p> <p>(3) Cryopreservation of vegetatively propagated crops</p>		IMPLEMENTING PARTNER	National Institute of Agrobiological Sciences	
		JICA CENTER	Tsukuba International Center	
		COOPERATION PERIOD	2003 ~ 2007	
		REMARKS	<p>Countries with programs for storage and utilization of genetic resources are preferable.</p> <p>Including an intensive Japanese language class(25 hours)</p>	


Rice Research Techniques II 稲研究 II			Multi-participants	J0600771
Agricultural/Rural Development—Agricultural Development 7 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>The objective of this program is enable researchers to solve problems regarding rice cultivation in recipient countries through the design and implementation of research, and analysis of the results.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To acquire general theoretical and practical knowledge of rice science</p> <p>(2) To acquire theoretical and practical fundamental techniques necessary to develop technologies in rice, such as rice varietal improvement, physiology and morphology and soil nutrient management, integrated pest management, etc.</p> <p>(3) To acquire techniques for research and experiment as well as methodologies of solving problems</p> <p>(4) To make action plans integrating the knowledge and experience gained from the above technologies and experiments</p>		<p>1) Presently engaging in the research work or education in the field of rice</p> <p>2) University graduate or equivalent background</p> <p>3) Age: 25-35 years old, and have at least 3 years of experience in the above fields</p>		
CONTENTS		PROGRAM PERIOD	Jan.30.2007 ~ Nov.23.2007	
<p>This program consists of three major components: lectures, experiments and field practice, and study tour.</p> <p>The main contents are as follows:</p> <p>(1) Rice cultivation technology</p> <p>Agriculture and rice cultivation in Japan, high yielding and sustainable rice cultivation, management of cultivation, diagnostic techniques, etc.</p> <p>(2) Basic theory and applied technology</p> <p>Rice morphology, rice physiology and ecology, soil environment and physiology of plant nutrition, rice breeding, weed control, diseases and insect pests of rice, etc.</p> <p>(3) Individual experiments Making reports and presentations of experimental results, statistical analysis, data collection method, etc.</p> <p>Especially, individual experiments are regarded as of the utmost importance.</p>		IMPLEMENTING PARTNER	TSUKUBA INTERNATIONAL CENTRE,JICA	
		JICA CENTER	Tsukuba International Center	
		COOPERATION PERIOD	2003 ~ 2007	
		REMARKS		


<b>Introductory Gene Manipulation and Bioinformatics for Agriculture</b> <b>農業生産のための遺伝子操作技術とバイオインフォマティクス</b>			Multi-participants	J0600799
Agricultural/Rural Development—Agricultural Development 8 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>Through lectures and laboratory practice, program participants will learn the basics of gene manipulation technique and agrobacterium-based technology for selective breeding of plant cells and study preliminary knowledge about bioinformatics to maintain the database for original gene resources in participants' countries.</p> <p>Through the training, participants are expected to learn:            A. (1) fundamental techniques related to genetic engineering, including extraction and isolation of nucleic acids from micro-organisms and plants, (2) manipulating DNA with restriction enzymes, (3) identification and determination of target gene product, (4) transformation using Agrobacterium, (5) DNA amplification with PCR, (6) sequence determination of nucleic acids and proteins, (7) characterization of transformed plants.            B. (1) fundamental techniques related to computer literacy, including (a) the Internet (e-mail, homepage), Word, Excel, (b) fundamental structure of personal computers (construction, OS and software installation), (2) Genetyx processing (gene sequence, planning), and (3) relational database processing (Access).</p>	<p>(1) University graduates or equivalent academic background in the field of molecular biology or biochemistry (and not be holders of doctorate degrees),            (2) Researchers in the field of agricultural production employed in a governmental agricultural research institute,            (3) Have experience of the handling and culture of microorganisms,            (4) Under 35 years old, and have 3 years' occupational experience.</p>			
CONTENTS	PROGRAM PERIOD	Aug.21.2006 ~ Dec.21.2006		
<p>In this program, the emphasis is put on laboratory experiments. The main themes are:            (1) culture of microorganisms,            (2) nucleic acid extraction and separation techniques,            (3) electrophoresis techniques of nucleic acid and proteins,            (4) transformation methods,            (5) DNA enzyme treatment techniques,            (6) detection and identification techniques for transformed products,            (7) DNA amplification by the PCR,            (8) sequence analyses of nucleic acid and protein,            (9) agrobacterium handling technology,            (10) gene introduction by particle gun,            (11) GENETYX (gene sequence searching, PCR primer planning),            (12) genome database processing.</p>	IMPLEMENTING PARTNER	OSAKA PREFECTURE UNIVERSITY		
	JICA CENTER	Osaka International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS			

<b>Detection Technology of Pathogens for Food Animals</b> <b>畜水産物生産現場における病原体検査技術</b>			Multi-participants	J0600800
Agricultural/Rural Development—Agricultural Development 6 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>Hygiene management for food animals has been hampered by diversity and complexity of disease issues and radical changes in the methodology of raising livestock. At the same time, matters have been compounded by new demands for measures against foodborne illness, and created dire problems for hygiene management at food animal production sites. This training program introduces a broad base of conventional and new detection technologies in a manner consistent with their being transferred for use in applications suited to conditions in the countries of participants.</p> <p>Through the training, participants will acquire those techniques numbering among the rapidly advancing technical innovations for the detection of pathogens (including viruses, bacteria, parasites/protozoa, etc.) as applicable to conditions in their respective countries.            (1) Sampling and sample preservation techniques for food animals during outbreaks of infectious disease, (2) Techniques in Microbial Detection, (3) Techniques in Virus Detection, (4) Techniques in Parasite / Protozoa Detection, (5) Immunodetection Techniques for Pathogens, (6) Techniques in Genomic Detection, (7) Pathology Techniques for Detection of Disease</p>	<p>(1) Age: 27-37 years old in principle.            (2) University or veterinary school graduates (academic history of 16 or more years),            (3) 3 years of experience in a field of work related to the content of this training at a testing organization, livestock hygiene center, government organization or university</p>			
CONTENTS	PROGRAM PERIOD	Aug.28.2006 ~ Dec.2.2006		
<p>The program is comprised of lectures, practical training and practical training in the field. The greater portion of the program is taken up by activities in practical training.            (1) Lectures: General overview of testing and detection technologies in addition to up-to-date information regarding food animal pathology. (2) Practical Training: Techniques in preventive/diagnostic microbiology, techniques in virus detection, techniques in anaerobic bacteria detection, techniques in diagnostic immunology, techniques in diagnostic pathology, techniques in diagnostic parasitology and techniques in diagnostic genetics, (3) Practical Training in the Field: As a supplementary activity to that in 1 and 2 above, participants will learn how testing and detection operations are carried out on a daily basis in the field at testing organizations and research centers.</p>	IMPLEMENTING PARTNER	OSAKA PREFECTURE UNIVERSITY		
	JICA CENTER	Osaka International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS			

Integrated Pest Management for Plant Protection II 植物保護のための総合防除 II		📌	Multi-participants	J0600810
Agricultural/Rural Development—Agricultural Development 10 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
(1) To carry out basic and/or practical research on plant protection in their own countries (2) To devise and carry out an effective integrated control program of pest management in their own countries (3) To pass on knowledge and technologies obtained to other staff in their own countries	(1) Technical official presently in charge of plant protection with at least 3 years of experience (2) College staff in this field with at least 3 years of experience			
CONTENTS	PROGRAM PERIOD	May.22.2006 ~ Sep.2.2006		
Lectures: (1) Vulnerable environment and needs for integrated pest management for sustainable community and environment (2) Basic technology for molecular biology (3) Recent advances in insect science (4) Recent advances in plant pathology (5) Principles of agrochemicals mode of action and environmental toxicology (6) Biological control of arthropod pests (7) GMOs: Potentials and problems (8) Consequences of global warming and accelerated trade and traffic (9) Plant–arthropod–microbe interactions (10) Weed control (11) Chemical and genetic manipulations of arthropod behavior (12) Trends in world population and food supply (13) Post harvest problems (14) Current problems and future directions in implementation of integrated management of arthropod pests and diseases (discussion) (15) Conservation of the biosphere and bio–diversity: The role of the agroecosystem (16) Waste management and a system for recycling resources Laboratory works to understand basic problems in plant protection	IMPLEMENTING PARTNER	FACULTY OF AGRICULTURE, KOBE UNIVERSITY		
	JICA CENTER	Hyogo International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS			



Plant Quarantine(Thermal Treatment for the Disinfestation of Fruit Flies) II 植物検疫(ミバエ類殺虫技術) II		📌	Multi-participants	J0600824
Agricultural/Rural Development—Agricultural Development 5 participants / English				
Target Countries: Countries experiencing fruit fly problems				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
The participants will learn the latest skills of disinfestation for fruit fly by heat treatment in Japan. To reach the objective, participants are expected to achieve the following: (1) To acquire skills in methods for artificial rearing and parasitized fruit preparation (2) To gain an understanding of the principles and techniques of heat and cold treatment (3) To acquire skills in the series of procedures of the disinfestation test for fruit fly and fruit injury test by heat treatment (4) To gain an understanding of the relations between plant quarantine and agricultural product distribution in Japan (5) To gain an understanding of fruit fly eradication techniques and methods of collecting information for warning against invasions by pests	[Target Organizations] Engaged in plant quarantine  [Target Group] (1) Have much experience in plant quarantine works and sufficient knowledge (2) Presently engaged in plant quarantine treatment(s) (vapor heat, cold treatment, etc.) (3) Age: Under 45 years old			
CONTENTS	PROGRAM PERIOD	May.23.2006 ~ Sep.9.2006		
Preparatory phase: A Country Report describing the present situation of plant quarantine in the participants' countries and roles of their organizations is developed. Program in Japan: This program consists of lectures, practical exercises, discussions, report-making/presentation, and observation tours. The main themes are: (1) Plant quarantine in Japan (2) Morphology and taxonomy of fruit flies (3) Physiology and ecology of fruit flies (4) Artificial rearing of fruit flies (5) Disinfestation methods for fruit flies (outline) (6) Disinfestation test by vapor heat treatment and cold treatment (7) Injury test of fruits by vapor heat treatment and cold treatment (8) Report-making	IMPLEMENTING PARTNER	NAHA PLANT PROTECTION STATION, MIN. OF AGRICULTURE		
	JICA CENTER	Okinawa International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS	*No more than the fixed number of 5 participants will be accepted.		



<b>Poultry Production and Management Technology</b> <b>鶏飼養管理・生産技術</b>			<b>Multi-participants</b>	<b>J0600826</b>
Agricultural/Rural Development—Agricultural Development 9 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
The purpose of this training program is to transfer the knowledge and techniques concerning poultry to technical officials in charge of the poultry industry in their own countries. It should be emphasized that the program will train leading technical experts in charge of improving poultry production and management.		Be engaged in administration, research and/or extension works on poultry industry, with working experience at least 3 years. University graduate or equivalent academic background. Under 45 years of age. Not pregnant.		
CONTENTS		PROGRAM PERIOD	Aug.29.2006 ~ Dec.3.2006	
The program will consist mainly of lectures and practical training in which the NLBC staff and visiting professionals will impart expertise and instruction on the respective subjects. This will be supplemented by observation trips to related agencies and institutions. The major subjects are as follows: (1) Outline of the livestock industry (2) Planning poultry production and management (3) Reproduction and genetic improvement (4) Nutrition and feed (5) Feeding and management (6) Health control (7) Marketing		IMPLEMENTING PARTNER	NATIONAL LIVESTOCK BREEDING CENTER	
		JICA CENTER	Nihonmatsu JOCV Training Center	
		COOPERATION PERIOD	2003 ~ 2007	
		REMARKS		

Seminar on Agricultural and Rural Development 農村振興セミナー		 Multi-participants	 Multi-year	J0600840
Agricultural/Rural Development—Agricultural Development 9 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>Realistic 'action plans' for rural development promotion, written by the participants at the end of the training, will be implemented in the respective participating countries/regions.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>1) To deepen understanding and broaden perspectives on the measures and methods of rural promotion, including the ways to organize farmers and to strengthen marketing and distribution systems, through practical study of Hokkaido's know-how</p> <p>2) To explore the possible measures and methods to be taken in participating countries/regions</p>		<p>(1) Central and local government officers in charge of rural development in the agricultural sector</p> <p>(2) University graduate or equivalent qualification</p>		
CONTENTS		PROGRAM PERIOD	Jul.18.2006 ~ Aug.26.2006	
<p>This course consists of lectures, observations and presentations as follows to obtain techniques and methods for promoting rural development.</p> <p>Lectures:</p> <p>(a) Rural development</p> <p>(b) Agricultural cooperative associations</p> <p>(c) Agricultural financial systems</p> <p>(d) Women's role in agricultural farms</p> <p>(e) Farm accounting, etc</p> <p>Field study:</p> <p>(a) Municipalities which have implemented rural development promotion</p> <p>(b) Japan Agricultural Cooperative (JA) branch offices</p> <p>(c) Agricultural extension service centers</p> <p>(d) Wholesale markets</p> <p>(e) Supermarkets, etc.</p> <p>Practice:</p> <p>(a) Project Cycle Management (PCM)</p> <p>(b) Farmwork and staying with a farming family</p> <p>* Note: The farmwork and stay are included in the curriculum to provide an opportunity to learn how farming families and local communities actually function, from the farmers' viewpoint.</p> <p>Presentation:</p> <p>(a) Country report</p> <p>(b) Case study of agricultural rural development</p> <p>(c) Final report, etc.</p> <p>Discussion with experienced volunteers and members of agricultural organizations</p> <p>Preparatory phase: country reports describing challenges, countermeasures, and strategies for rural development in participating countries/regions will be prepared by participants.</p> <p>Curriculum in Japan: action plans for promoting rural development, reflecting the ideas obtained through the training, will be prepared by participants.</p>		IMPLEMENTING PARTNER	Hokkaido International Agricultural Exchange Association	
		JICA CENTER	Sapporo International Center	
		COOPERATION PERIOD	2004~2008	
		REMARKS	<p>Some of the main characteristics of Hokkaido, the venue of this seminar, are its remoteness, small and scattered population, and agriculture-based.</p> <p>Under these conditions, the government and the people in Hokkaido have been making efforts to develop the rural communities. This seminar focuses on presenting the various measures actually taken in Hokkaido and some cases of success, and on providing participants with practical ideas.</p>	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Soil Diagnosis and Conservation 土壌の診断と保全コース		 Multi-participants	 Multi-year	J0600850
Agricultural/Rural Development—Agricultural Development 7 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>To develop human resources who are able to propose soil analysis and environmental preservation concerning sustainable agriculture.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To understand how agriculture is related to meteorological conditions, topography and soil</p> <p>(2) To understand the general concept and methods of soil diagnosis for stable and high quality productivity of agricultural products</p> <p>(3) To understand the general concept and methods of suitable management for agricultural environment to attain sustainable agriculture</p>		<p>1) Persons who are presently engaged in soil diagnosis and contribute to environment-friendly agriculture production and have at least 2 years of experience</p> <p>2) University graduate or equivalent</p> <p>3) Age: 25-40 years old</p>		
CONTENTS		PROGRAM PERIOD	May.14.2006 ~ Aug.4.2006	
<p>Preparatory phase: To submit a Job Report which includes an introduction of work, problems faced in the participant's country and fields of particular interest and the reason, as well as a questionnaire</p> <p>Program in Japan: This program consists of lectures, practical exercises, observation and discussion.</p> <p>Formation of soil diagnosis:</p> <ul style="list-style-type: none"> <li>- Theory of soil diagnosis, - Application of soil diagnosis, - Method of soil analysis for chemical properties and its application, - Physical properties of soil and its application, - Soil improvement techniques, - Water quality analysis, - Environmental evaluation of water quality, - Heavy metal pollution of soils in Japan, - Microbial techniques for sustainable agriculture</li> </ul> <p>To make a concrete Action Plan which describes project objectives, outputs, major activities, etc. after returning.</p>		IMPLEMENTING PARTNER	OBIHIRO UNIV. OF AGRICULT. & VETERINARY MEDICINE	
		JICA CENTER	Obihiro International Center	
		COOPERATION PERIOD	2004 ~ 2008	
		REMARKS		

Vegetable Cultivation Technology II 野菜栽培技術 II		 Multi-participants	 Multi-year	J0600858
Agricultural/Rural Development—Agricultural Development 11 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>The purpose of this program is to provide participants with knowledge and technology related to practical vegetable cultivation in Japan, thereby helping them to promote vegetable production in their respective countries.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) Vegetable cultivation technology for high yield and quality</p> <p>(2) Vegetable seed production technology</p> <p>(3) Technology of vegetable production in sustainable agriculture</p> <p>(4) Socio-economics in vegetable production</p> <p>(5) Experiments, report-making and presentation</p>		<p>1) Presently engaged in vegetable production as researcher, training instructor or extension officer</p> <p>2) University graduate or diploma holder with at least 3 years of work experience in their specialty</p> <p>3) Non Ph.D. holder</p> <p>4) Age: 25-40 years old</p>		
CONTENTS		PROGRAM PERIOD	Jan.30.2007 ~ Nov.17.2007	
<p>This program includes lectures, experiments, study tour and discussion</p> <p>(1) a) Raising seedlings b) Soil science and plant nutrition c) Plant physiology d) Pests and diseases control e) Vegetable cultivation</p> <p>(2) a) Breeding b) Seed technology c) Seed production of major</p> <p>(3) a) Crop rotation b) Use of organic materials c) Biological control Lectures, experiments and study tours, focusing on experiments (using JICA Tsukuba experimental infrastructure)</p> <p>(4) a) Activity of agricultural cooperatives b) Extension activity c) Distribution of vegetables</p> <p>(5) Experimental method, statistical analysis, report-making</p>		IMPLEMENTING PARTNER	TSUKUBA INTERNATIONAL CENTRE, JICA	
		JICA CENTER	Tsukuba International Center	
		COOPERATION PERIOD	2004 ~ 2008	
		REMARKS	The program includes intensive Japanese language lessons (27.5 hours).	

<b>Research on Veterinary Technology II</b> <b>獣医技術研究 II</b>		Multi-participants		Multi-year		J0600866	
Agricultural/Rural Development—Agricultural Development 5 participants / English							
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>The objective of this program is to enable veterinarians who are presently engaged in research activities to play a leading role in the development of animal health technology to raise the productivity of the animal industry in their respective countries.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1. To acquire comprehensive knowledge about the present technical situation, which is necessary to carry out research in the field of animal health</li> <li>2. To learn advanced technologies required for diagnostic and preventive methods of animal diseases</li> <li>3. To learn how to analyze and interpret data obtained from research in order to compile and present a report</li> </ol>				<ol style="list-style-type: none"> <li>(1) Presently engaging in the research activities on animal health.</li> <li>(2) Have at least 5 years of experience in a related field</li> <li>(3) Age: 25-40 years old</li> <li>(4) Graduated from university or with equivalent knowledge</li> <li>(5) With veterinary</li> </ol>			
CONTENTS				PROGRAM PERIOD	Mar.27.2007 ~ Oct.20.2007		
<ol style="list-style-type: none"> <li>1. Lectures (in groups) on animal health technology and research methodology (3 weeks)</li> <li>2. Field trips to research institutes and the livestock hygiene service centers, etc. (10 days)</li> <li>3. Individual research training at the laboratory (5 months) Participants will train and conduct research on one subject selected out of several subjects prepared by the Training Institutions. Those subjects will be described in other information about the program (General Information). Typical examples include molecular, immunohistochemical and electron microscopic diagnosis on infectious diseases of domestic animals.</li> </ol> <p>(1) Acquire comprehensive knowledge</p>				IMPLEMENTING PARTNER	NATIONAL INSTITUTE OF ANIMAL HEALTH (NIAH)		
				JICA CENTER	Tsukuba International Center		
				COOPERATION PERIOD	2004 ~ 2008		
				REMARKS			

<b>Low Input Agricultural Management System</b> <b>低投入型農業生産管理システム</b>		Multi-participants		Multi-year		J0600900	
Agricultural/Rural Development—Agricultural Development 8 participants / English							
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>To enable human resources to acquire techniques for establishing optimum mechanized production systems according to the agricultural techniques, field environments and management scales of developing countries, and to provide guidance on low input agricultural production that exerts little impact on the environment.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>(1) To understand the importance of low input agriculture management of the global environment</li> <li>(2) To understand analytical methods for determining the field environment and for drawing field environment maps</li> <li>(3) To make plans on introducing agricultural machinery which is suitable for the respective country</li> <li>(4) To make plans on the production system of low input agricultural management which is suitable for the respective country</li> </ol>				<ol style="list-style-type: none"> <li>1) Engineers and educators engaged in the guidance and dissemination of sustainable agricultural systems, crop cultivation and agricultural machinery</li> <li>2) Have at least 3 years of experience in this field</li> <li>3) Age: 25-35, and not pregnant because this program includes many field trips</li> <li>4) University graduate or equivalent</li> </ol>			
CONTENTS				PROGRAM PERIOD	Jul.23.2006 ~ Nov.3.2006		
<p>Preparatory phase: To submit a Job Report with an introduction of work, problems faced in the participant's country, fields of particular interest and reason. Program in Japan: Lectures, practical exercises, observation and discussion.</p> <ol style="list-style-type: none"> <li>(1) Global environment, world energy, sustainable agriculture, recycling-oriented society</li> <li>(2) Basics of information management methods, analytical and measuring methods of field environments, basic knowledge and measuring method of meteorological factors, basics of growth measurement, management and utilization of information on fields and the environment</li> <li>(3) Means of efficient agricultural production, field environment, introduction of agricultural machinery, improvement method for field environments</li> <li>(4) Utilization and effect of systems, evaluation method concerning profitability, evaluation and improvement of production systems, To make concrete Action Plan describing project after return.</li> </ol>				IMPLEMENTING PARTNER	OBIHIRO UNIV. OF AGRICULT. & VETERINARY MEDICINE		
				JICA CENTER	Obihiro International Center		
				COOPERATION PERIOD	2004 ~ 2008		
				REMARKS			





OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>To develop human resources who are capable of making pertinent suggestions regarding comprehensive agricultural infrastructure improvement and rural development in their own countries.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To understand the actual situation and legal system on land improvement projects</p> <p>(2) To understand the theory of planning and design on land improvement projects</p> <p>(3) To understand the construction management technology on land improvement projects</p> <p>(4) To understand ideas of agricultural infrastructure improvement along with the situation in the respective countries</p>	<p>1) Engineers with experience in surveying, planning, construction management or infrastructure management for land improvement (irrigation, drainage, agricultural land improvement, disaster prevention) in dry field farming with at least 3 years of practical experience</p> <p>2) Age: 25-45 years old</p>	
CONTENTS	PROGRAM PERIOD	May.28.2006 ~ Aug.19.2006
<p>Preparatory phase: To submit a Job Report with an introduction of work, problems faced in the participant's country, fields of particular interest and reason.</p> <p>Program in Japan: Lectures, practical exercises, observation and discussion.</p> <p>1) Outline of agriculture in Japan: Administrative circumstances, food situation and legal system, effects of land improvement projects</p> <p>2) Agriculture in Hokkaido and Tokachi: Organization of agricultural cooperatives, agricultural machinery, facilities for processing products, broad-based cooperation</p> <p>3) Projects for improvement of agriculture and rural areas: Rivers and roads improvement, agricultural infrastructure improvement and rural development, etc.</p> <p>4) Construction work for projects</p> <p>5) New technologies: natural energies, artificial satellites, green tourism</p> <p>To make Action Plan describing project after return.</p>	IMPLEMENTING PARTNER	MLIT, HOKKAIDO REGIONAL DEVELOPMENT BUREAU
	JICA CENTER	Obihiro International Center
	COOPERATION PERIOD	2004 ~ 2008
	REMARKS	



Target Countries : Asia, Africa and Latin America

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Advanced researchers are fostered in the field of research of protozoan diseases to improve the skills and competence of participants who are primarily responsible for laying the foundation for development control measures against diseases in their respective countries.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To be able to carry out basic research in vitro on a particular zoonotic disease in their respective countries</p> <p>(2) To be able to share the knowledge, skills and technologies obtained in Japan with other staff members in their respective countries</p> <p>(3) To lead actively and participate in the program for applying effective control measures, including improvement of the control strategy</p> <p>(4) To become more cognizant and familiar with the fundamentals and progress of major protozoan diseases as well as zoonoses</p>	<p>[Target Organizations] Private or public institutions</p> <p>[Target Group] 1) Holder of Bachelor or Master of Science or graduate of veterinary medicine or medical science 2) More than 3 years of experience in the above organizations 3) Age: Under 35 years old 4) Engaged in research on animal or human protozoans, food-borne influenza and prion, and be willing to work toward completion of the training program</p>	
CONTENTS	PROGRAM PERIOD	
<p>Preparatory phase: To submit a Job report which includes an introduction of work, problems faced in the participant's country, fields of particular interest and reason.</p> <p>Program in Japan: This course mainly covers the following themes. After lectures on common subjects, all participants are attached to a suitable research laboratory in one of the following fields in accordance with the purpose and specialty of each participant:</p> <p>(1) Functional genomics (2) Disease control (3) Molecular vector-arthropodology (4) Molecular diagnosis (5) Advanced preventive medicine (6) Food-borne diseases (7) Emerging and re-emerging diseases</p> <p>Participants will make a mid-term report and final report on the research subject in each unit.</p>	<p>IMPLEMENTING PARTNER</p>	<p>Oct.29.2006 ~ Sep.1.2007</p> <p>OBIHIRO UNIV. OF AGRICULT. &amp; VETERINARY MEDICINE</p>
	<p>JICA CENTER</p>	<p>Obihiro International Center</p>
	<p>COOPERATION PERIOD</p>	<p>2005~2009</p>
	<p>REMARKS</p>	<p>A diploma will be awarded by the Obihiro University of Agriculture and Veterinary Medicine at the end of the course.</p>

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.





OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The objective of this program is to develop the capacity of irrigation and drainage engineers to carry out agricultural infrastructure improvement projects from study to implementation in consideration of application, participation, sustainability and environmental conservation for rural development in their own region. To reach the objective, participants are expected to achieve the following:</p> <p>(1) To learn basic and applied technologies required to investigate, design, construct, operate and maintain facilities related to irrigation and drainage projects                      (2) To learn the applicable methodology of irrigation and drainage technology for agricultural and rural development from diverse points of view                      (3) To learn the relevant technology and knowledge for sustainable agricultural and rural development in consideration of environmental conservation                      (4) To improve problem-solving ability, and acquire integrated irrigation and drainage technology related to their own working environment                      (5) To develop the ability to resolve problems in their own working environment and to realize them as action plans</p>	<p>(1) Be presently engaged in actual irrigation and drainage works                      (2) University graduate or equivalent and have at least 5 years of experience in their specialty                      (3) Age: Under 35 years old</p>	
CONTENTS	PROGRAM PERIOD	Feb.7.2007 ~ Nov.18.2007
<p>This program covers three project areas:                      1) Agricultural infrastructure improvement                      2) Agricultural land conservation and agricultural infrastructure maintenance                      3) Rural planning, irrigation and drainage technology                      The following subjects are addressed through lectures, discussions, experiments, practical exercises, workshops and field visits:                      (1) Agricultural and rural development                      (2) Irrigation and drainage                      (3) Environment conservation                      The program includes making technical reports in consideration of appropriate technologies in these fields as well as action plans to clarify and take countermeasures for existing problems.</p>	IMPLEMENTING PARTNER	TSUKUBA INTERNATIONAL CENTRE, JICA
	JICA CENTER	Tsukuba International Center
	COOPERATION PERIOD	2005 ~ 2009
	REMARKS	



OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Farm machinery and tools developed by participants during the training will be disseminated to small-scale farmers. To reach the objective, participants are expected to achieve the following:</p> <p>1.                      (1) To clarify the problems on using farm machinery in their respective rural areas                      (2) To learn the method of design manufacturing, evaluation of performance                      (3) To manufacture appropriate machinery and tools.                      (4) To formulate an interim report (action plan) to solve the problems in their respective rural areas</p> <p>2. After returning to their home countries, participants will manufacture and disseminate the appropriate machinery prior to the review of the interim report.</p>	<p>(1) Leaders of farmers' groups, technicians for farm machinery production in rural areas, agricultural extension workers, government officers, researchers, and instructors in rural development                      (2) Have a workshop for producing farm machinery                      (3) Continue the rural development after the training                      (4) University graduate or equivalent                      (5) Age: 25-45 years old</p>	
CONTENTS	PROGRAM PERIOD	Feb.27.2007 ~ Oct.27.2007
<p>Preparatory phase                      Create an inception report of their study describing the following items in the rural area:                      (1) The problems on using farm machinery in their own workplace and/or the rural area of their responsibility                      (2) Tentative analysis for solving identified issues (from the viewpoint of agricultural productivity and reduction of workload for women &amp; youth labor)                      (3) Availability of facilities for farm machinery production such as machine tools, materials, workshop and relevant conditions</p> <p>Program in Japan                      (1) Analyze the problems of farm machinery utilization                      (2) Fabricate farm machinery and tools                      (3) Interim report (action plan) description</p> <p>After participants' return                      (1) The actions described in the interim report are reviewed, authorized and implemented.                      (2) The results of the actions taken by the organization and the program participant are reported as the final report 6 months after return.</p> <p>Lectures:                      Rural development, extension method of agricultural techniques, mechanization planning, mechanisms and operation of farm machinery in Japan, introduction of appropriate mechanization, designing of tools, etc.                      Practice:                      Rice production systems, manufacturing, testing &amp; evaluation for farm machinery                      Observations:                      Manufacturers &amp; farm machinery</p>	<p>IMPLEMENTING PARTNER</p>	<p>TSUKUBA INTERNATIONAL CENTRE, JICA</p>
	<p>JICA CENTER</p>	<p>Tsukuba International Center</p>
	<p>COOPERATION PERIOD</p>	<p>2006~2010</p>
	<p>REMARKS</p>	<p>JICA will implement a survey on the activities undertaken by participants. Reports sent by participants are considered as final reports.</p>

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Sustainable Management of Irrigation and Drainage Project かんがい排水プロジェクトの持続的管理		 Multi-participants	 Multi-year	J0603500
Agricultural/Rural Development—Agricultural Development 10 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>The objective of this training course is to develop irrigation engineers who can take a broad view such as an integrated approach for project management for implementing irrigation and drainage projects on site, to ensure the sustainability of the project.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) The relation between farming plans and irrigation plans is logically adjusted based on an understanding of the importance for irrigated agriculture and cultivation techniques.</p> <p>(2) Basic water management techniques to plan and conduct efficient irrigation management, and water circulation including drainage are systematically arranged.</p> <p>(3) The functions of each facility in the total irrigation system are coordinated, and by identifying problems in the total irrigation system, an efficient water management system is arranged.</p> <p>(4) Sustainable and systematic water management techniques are understood, and techniques for maintaining and rehabilitating irrigation facilities are established for smooth water management.</p> <p>(5) Through an integrated understanding of the promotion, enhancement and management of organizations concerned with water management and facility management, an irrigation plan is made from a general view of irrigated agriculture including institutions and policy, as well as the method of guiding officers and farmers.</p>		<p>[Target Organizations] Central government or local government which is implementing irrigation and drainage projects mainly for paddy fields</p> <p>[Target Group] Project managers on site in central government (have at least 5 years of experience and under 45 years old), or irrigation engineers in local government (have at least 5 years of experience and under 45 years old)</p>		
CONTENTS		PROGRAM PERIOD	Jun.20.2006 ~ Nov.18.2006	
<p>Preparatory phase: Create a job report describing the present job (including detailed information of the irrigation and drainage project in charge), problems facing implementation in the participant's own job and countermeasures.</p> <p>Program in Japan: To maintain the sustainability of the irrigation and drainage project, in terms of: (1) Basic knowledge of irrigated agriculture and basic techniques of irrigation and drainage (2) Techniques of water management and facility maintenance (including repair and restoration) (3) Development of origination and system for water management and facility management, participants analyze their own problems in detail. Finally, participants make a technical report to develop methodology capabilities and the applicability of the techniques in their own countries, and an action plan which is a detailed plan of activity, in order to achieve the method described in the technical report.</p> <p>Post-training activities: (1) The actions described in the action plan are authorized by the participant's organization and implemented. (2) The results of the actions taken by the organization or participants are reported 3 months after return.</p>		IMPLEMENTING PARTNER	TSUKUBA INTERNATIONAL CENTRE, JICA	
		JICA CENTER	Tsukuba International Center	
		COOPERATION PERIOD	2006~2010	
		REMARKS	JICA evaluates the progress of actions by the participants based on the report submitted after return, and considers the possibility and rationality of follow-up cooperation.	


It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.



<b>Veterinary Technology for Farm Animals II</b> <b>産業動物の獣医技術 II</b>		Multi-participants		Multi-year		J0603513	
				Agricultural/Rural Development—Agricultural Development 7 participants / English			
OBJECTIVE				TARGET ORGANIZATION / GROUP			
The level of participants' veterinary science knowledge and techniques for cattle will be improved. To reach the objective, the participants are expected to achieve the following: (1) To acquire knowledge of clinical medicine (internal medicine, surgery and reproduction) about animal diseases (mainly for cattle) (2) To grasp measures of preventive hygiene and prevention of infectious diseases (3) To learn food sanitation measures such as meat inspection and the food sanitation instruction and surveillance, techniques (4) To acquire knowledge on veterinary administration structures including medical institutions, agricultural groups and research institutions				(1) Leading veterinarians who handle farm animals (mainly cattle) (2) At least 5 years of practical experience (3) University graduate in veterinary medicine or equivalent academic qualification			
CONTENTS				PROGRAM PERIOD		Aug.15.2006 ~ Nov.18.2006	
Preparatory phase: Present job activities and issues of veterinary medicine in the participants' countries are described in the Job Report. Curriculum in Japan: The curriculum is composed of the following subjects. (1) Lectures: - Dairy and livestock farming in Hokkaido and Japan, - Outline of veterinary system, - Embryo transfer, - Internal medicine for animals, - Animal surgery, - Bovine reproduction management, - Feeding management, - Prevention and control of mastitis in cattle, - Livestock sanitation, - Prevention and control of infectious and parasitic diseases, etc. (2) Practical exercises: - Dairy herd medical examination techniques and nutrition management guidance, - Internal/surgical diagnosis and treatment of diseases, - Reproductive diagnosis, - Clinical examination and treatment of farm animals (mainly cattle), - Bacteriological examination, Diagnosis and treatment of mastitis, - Diagnosis of infectious disease, - Meat inspection, - Writing action report, etc. (3) Observation: - Dairy farms, - Meat inspection office, - Livestock hygiene service center, - Facilities related to livestock, - Educational and research institutions, etc.				IMPLEMENTING PARTNER		HOKKAIDO VETERINARY MEDICAL ASSOCIATION	
				JICA CENTER		Sapporo International Center	
				COOPERATION PERIOD		2006 ~ 2010	
				REMARKS			

<b>Tropical Biomass Utilization</b> <b>熱帯バイオマス利用</b>		Multi-participants		Multi-year		J0600032	
Target Countries: Tropical/sub-tropical countries				Agricultural/Rural Development—Rural Development 6 participants / English			
OBJECTIVE				TARGET ORGANIZATION / GROUP			
The participants learn methods of measuring the endowment of biomass and the possible amount of utilization, and designing effective ways of using it.  To reach the objective, participants are expected to achieve the following: (1) To acquire methods of designing a recycling society and biomass utilization system (2) To acquire specific techniques related to designing a biomass utilization system				[Target Organizations] Engaged in the planning, promotion and utilization of biomass  [Target Group] (1) Have at least 5 years of experience in research on biomass utilization in a public organization (2) University graduate in the field of science (3) Age: 25-40 years old			
CONTENTS				PROGRAM PERIOD		Oct.3.2006 ~ Dec.8.2006	
Preparatory phase: A Country Report describing the present situation of biomass utilization in the participants' countries and roles of their organizations is developed. Program in Japan: This program consists of lectures, practical exercises, report-making/presentation, and observation tours. (1) Acquire methods for designing a recycling society and biomass utilization system approaches for designing recycling societies which utilize biomass (such as 'Biomass Nippon', 'Concept of Biomass Town'), estimating the amount of endowment and production of biomass, designing a biomass utilization system and evaluating the impact of biomass utilization (2) Acquire specific techniques related to the design of biomass utilization systems, biomass production and collection methods for unused biomass resources, biomass energy conversion, utilization of biomass transforming materials, and the measurement, monitoring and evaluation of biomass utilization				IMPLEMENTING PARTNER		FACULTY OF AGRICULTURE, UNIVERSITY OF THE RYUKYUS	
				JICA CENTER		Okinawa International Center	
				COOPERATION PERIOD		2005 ~ 2009	
				REMARKS			



Sustainable Rural Development 持続的農村開発		Multi-participants		Multi-year		J0600036	
Target Countries: Countries in Asia and Africa with JICA remote communication facilities		Agricultural/Rural Development—Rural Development Nature Conservation—Sustainable Use of Natural Resources		10 participants /		English	
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>Effective approaches for sustainable rural development projects in Asian and African countries are proposed through experience acquired by implementing job improvement plans and by applying thematic materials and technical reports.</p> <p>Expected results are:</p> <p>(1) Enhanced capacity to conduct surveys and analyze actual conditions and problems in rural development</p> <p>(2) Enhanced fundamental capacity by acquiring a variety of methods and skills essential for rural development</p> <p>(3) Study of feasible countermeasures in respective countries and to formulate the results into job improvement plans, thematic materials and technical reports, by conducting case studies in Japan, field study programs in Thailand, and individual technical programs</p> <p>(4) Improved skills in preparing monitoring reports regarding the information and experience acquired by implementing job improvement plans and by applying thematic materials, and subsequently, to share and discuss the results with the network of participants and persons concerned</p>				<p>[Target Organizations] Those handling rural development projects such as central/local governments and NGOs</p> <p>[Target Group] Applicants must have been working in one of the organizations mentioned above for at least 5 years, be recommended and approved by their organization, be under 45 years old, have an outstanding academic record, and have an excellent knowledge of English (e.g. TOEFL 550, TOEIC 730).</p>			
CONTENTS				PROGRAM PERIOD		Feb.5.2007 ~ Dec.8.2007	
<p>1.Preparatory phase Attending course guidance and some lectures through the JICA-Net System, self-learning with materials provided by JICA and report-making, and preparing inception reports to identify and analyze problems in rural development (from August 2006 to January 2007) in respective countries</p> <p>2.Program in Japan The participants of the program will develop the capacities to prepare thematic materials, technical reports, job improvement plans, etc. through the following lectures, workshops, experiments and field studies. (1) Outline of rural development, problem analysis, capacity development (2) Common subjects: Participatory development, gender issues, project cycle management, etc. Elective subjects: Farming system, conservation of soil resources, agricultural &amp; forestry extension and rural education, rural development planning &amp; execution, appropriate use of genetic resources and conservation and sustainable use of biological diversity, etc. (3) Japanese experiences in rural development such as livelihood improvement, land improvement districts, small-scale marketing of agricultural products, etc.</p> <p>3.Post-program Implementing some activities utilizing training products, preparing monitoring reports for 2 years and attending follow-up seminars through JICA-Net</p>				IMPLEMENTING PARTNER		Graduate School of Life and Environmental Science, Univ. of Tsukuba	
				JICA CENTER		Tsukuba International Center	
				COOPERATION PERIOD		2006~2010	
				REMARKS		Participants of this training program will be awarded a Master's Degree of Science in Agriculture from the University of Tsukuba by satisfying the predefined requirements.	


It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.


<b>JICA-NGO Partnership Training Course on Participatory Community Development for Practitioners</b> <b>JICA-NGO連携による実践的参加型村落開発</b>		 Multi-participants	J0600805
		Agricultural/Rural Development—Rural Development 10 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
1. To facilitate participants to acquire ideas and skills for effective implementation of participatory community development. 2. To facilitate them to work for community empowerment, and sustainable and equitable community development. 3. To foster effective linkages among local NGOs, local governments, Japanese/international NGOs, ODA agencies (JICA), and communities.	1. Leaders or programme/project managers of NGOs who are engaged in participatory community development in their countries. 2. Those who have at least three (3) years of field experience in participatory community development. 3. Their continuous involvement in participatory community development in the future should be expected.		
CONTENTS	PROGRAM PERIOD	Jan.9.2007 ~ Feb.23.2007	
Module 1. Introduction: What is community?/Analysing participants' own communities. Module 2. Role of "outsiders" in participatory community development. Module 3. Important approaches and perspectives for participatory community development: Gender, Conflict Transcendence. Module 4. Effective linkages: Linkages between "Micro" and "Macro" and "Inside" and "Outside". Module 5. For the future: Developing an Action Plan and sharing them among participants.	IMPLEMENTING PARTNER	KANSAI NGO COUNCIL	
	JICA CENTER	Osaka International Center	
	COOPERATION PERIOD	2003 ~ 2007	
	REMARKS	1. The program is conducted in participatory and interactive manner that employ discussions, workshops, field studies, etc., 2. A few government officials will be accepted when they are engaged in programs in partnership with NGO.	



<b>Integrated Agriculture and Rural Development Through the Participation of Local Farmers III</b> <b>農民参加による農業農村開発Ⅲ</b>		 Multi-participants	 Multi-year	J0603511
		Agricultural/Rural Development—Rural Development 10 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
This group training program in Integrated Agriculture and Rural Development through the Participation of Local Farmers is designed for central and local government staff to acquire knowledge as follows, 1) Revitalisation of agricultural village, 2) Drawing up a sustainable plan of land improvement in rural village, and 3) Suitable development with participation of local farmers.	(1) Engaged in the field of agricultural and rural development and have more than 5 years of experience; (2) University graduates or equivalent; (3) Age: under 50 years old			
CONTENTS	PROGRAM PERIOD	Nov.19.2006 ~ Dec.23.2006		
This program covers the following topics: (1) Lectures: (a) Agriculture in Hokkaido (b) Agricultural and Rural Development project (c) Improvement of Rural Area (d) Support System Extended to Farmers (e) distribution of agricultural products (f) organization of farmers (g) women in development (h) PCM, etc (2) Observation: (a) Extension center (b) Agricultural cooperation (c) Farmers organizations (d) Land improvement (3) Presentation: (a) pre-training Report (b) Final Report	IMPLEMENTING PARTNER	JAPAN GREEN RESOURCES AGENCY(JGRA)		
	JICA CENTER	Tsukuba International Center		
	COOPERATION PERIOD	2006 ~ 2010		
	REMARKS			







Mycotoxin Inspection in Food II マイコトキシン検査技術 II		 Multi-participants  Multi-year         J0600001	
Agricultural/Rural Development—Other Agricultural/Rural Development Issues 7 participants / English			
OBJECTIVE		TARGET ORGANIZATION / GROUP	
The purpose of the program is to enable the participants to understand the basic knowledge and techniques for the control and management of mycotoxins. After this program, they are expected to be able to apply them in their respective countries.		Technical officer or inspector presently engaged in food inspection with at least 3 years of experience	
CONTENTS		PROGRAM PERIOD	Jan.29.2007 ~ May.12.2007
Lectures: (1) Food sanitation law and food inspection (2) General view of mycotoxins (3) Introduction to fungi (4) Isolation and identification of fungi (5) Aspergillus flavus contamination of groundnuts and maize (6) Fusarium contamination of wheat and maize (7) Sampling for mycotoxins (8) Analysis of mycotoxins (9) Control of mycotoxins (10) Analysis of food preservatives Practical exercises: (1) Method of the isolation and identification of mycotoxins-producing fungi (2) Analysis of mycotoxins such as aflatoxins and fusarium mycotoxins (3) Analysis of food preservatives		IMPLEMENTING PARTNER	KOBE INSTITUTE OF HEALTH
		JICA CENTER	Hyogo International Center
		COOPERATION PERIOD	2005 ~ 2009
		REMARKS	

Post-Harvest Rice Processing II 米の収穫後処理技術 II		 Multi-participants         J0600772	
Agricultural/Rural Development—Other Agricultural/Rural Development Issues 10 participants / English			
OBJECTIVE		TARGET ORGANIZATION / GROUP	
Participants' planning and problem-solving ability in the field of post-harvest rice processing will be improved in order to contribute to processing technology improvement for preventing post-harvest grain loss and its extension in rural areas. To reach the objective, participants are expected to achieve the following: (1) To understand rice production, rice distribution systems and the function of agricultural cooperatives in Japan (2) To study the rice post-harvest processing methods and technology at every stage (harvest to milling/storage) (3) To understand the utilization of byproducts and rice processing products (4) To understand rice inspection and quality control (5) To formulate an Action Plan to solve the problems and issues of post-harvest loss in rural areas		(1) Senior technical administrators in government or public organizations engaged in planning and promoting the improvement of post-harvest rice processes (not a researcher, instructor or professor at university/not a Ph.D. holder) (2) Age: Under 45 years old (3) University graduate	
CONTENTS		PROGRAM PERIOD	Sep.5.2006 ~ Nov.16.2006
Lectures, practice, and observation (1) Rice production and marketing (2) Characteristics of rice (indica and japonica subspecies) (3) Harvesting, drying, husking, threshing, grading (4) Storage-facility control and management (5) Milling-machinery/equipment operation (6) Quality control and inspection system and testing equipment (7) Utilization of byproducts (husks, bran and broken)		IMPLEMENTING PARTNER	JAPAN GRAIN INSPECTION ASSOCIATION
		JICA CENTER	Tsukuba International Center
		COOPERATION PERIOD	2003 ~ 2007
		REMARKS	

<b>Microbial Inspection for Food Safety II</b> <b>食品微生物検査技術 II</b>		 Multi-participants	J0600808
Agricultural/Rural Development—Other Agricultural/Rural Development Issues 6 participants / English			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
The program is designed to upgrade the technical skills of personnel who are currently engaged in food microbial control.	(1) Research or technical officer presently engaged in food microbial control (2) At least 3 years of work experience in the field of food microbial control		
CONTENTS	PROGRAM PERIOD	Jan.8.2007 ~ May.19.2007	
Lectures: (1) Japanese food sanitation law, (2) Microbial control, (3) Enteropathogenic bacteria & their toxins, (4) Putrefaction & spoilage, (5) Fungi, (6) Recent trend of regulations for marine & livestock products in Japanese practice  Practical exercises: (1) Preparation of culture medium, (2) Staining of microbes, (3) Viable count of bacteria, (4) Count of coliform, lactic acid bacteria, (5) Procedures for the isolation and identification of pathogenic microbes related to food-poisoning  Observation: Governmental or private food inspection organizations, food processing factories & brewery plants	IMPLEMENTING PARTNER	KOBE INSTITUTE OF HEALTH	
	JICA CENTER	Hyogo International Center	
	COOPERATION PERIOD	2003 ~ 2007	
	REMARKS		

<b>Hazard Analysis Management for Animal Food</b> <b>畜産食品の危害リスク管理</b>		 Multi-participants	 Multi-year	J0600918
Agricultural/Rural Development—Other Agricultural/Rural Development Issues 5 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
Participants will write and propose Action Plans to introduce animal food hazard reduction measures including HACCP in their organizations. To reach the objective, participants are expected to achieve the following: (1) To understand the concept of food safety control and the testing methods of international standards (2) To broaden a comprehensive understanding about the theory and techniques of animal food sanitation control at the production, processing and distribution stages (3) To draw up an animal food safety management plan, which will be applicable to each participating organization	(1) Food hygiene examiners of animal food at government testing and research organizations with practical work experience (2) University graduate			
CONTENTS	PROGRAM PERIOD	Aug.15.2006 ~ Oct.7.2006		
Lectures: (1) Outline of food sanitation (hygiene control, safety measures against food poisoning) (2) Food production (meat processing, HACCP) (3) Distribution system, etc. Practical exercises: (1) Meat/dairy production (2) Detection of bacterium (3) Introduction of HACCP, etc. Observation: (1) Meat production (2) Dairy production (3) Large-scale dairy farm (4) Wholesale market, etc.	IMPLEMENTING PARTNER	RAKUNO GAKUEN UNIVERSITY		
	JICA CENTER	Sapporo International Center		
	COOPERATION PERIOD	2005 ~ 2009		
	REMARKS	This program is designed for food hygiene examiners. For administrators in charge of food sanitation inspection and guidance, another program titled "Food sanitation administration" is recommended.		

Distribution of Fresh Fruit and Vegetables (Focused on Wholesale Markets) 生鮮食料品流通(青果物)		 Multi-participants	 Multi-year	J0600990
Agricultural/Rural Development—Other Agricultural/Rural Development Issues 7 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>This program is for government officials in developing countries who are in charge of foodstuff distribution. It will give them the opportunity to learn about the practice and planning of fresh food distribution, with emphasis on wholesale markets. In this way, it is hoped to contribute to effective distribution of fresh foods and dietary improvement in developing countries.</p> <p>Participants are expected to:</p> <p>(1) acquire knowledge of development process of wholesale markets through the study of Japanese cases, (2) acquire knowledge of function and management of wholesale markets, which are operated under the integrated rules based on the wholesale market law, (3) acquire knowledge of production and dispatch in producing districts and retail sales in consumer markets including food packaging and food processing, (4) acquire distribution management skill for systematic and comprehensive development of fresh fruits and vegetables distribution in their respective countries, (5) make an action plan to promote distribution measures for fresh fruits and vegetables with knowledge gained through the training.</p>	<p>(1) Mid-level government officials in charge of fresh fruits and vegetables distribution measures such as modernization of wholesale market, with practical experience of at least 5 years,</p> <p>(2) Under 40 years old,</p> <p>(3) University graduate or equivalent, (*Basic economic knowledge to understand distribution systems is desirable.)</p> <p>(4) Have a sufficient command of English for discussion and action plan making.</p>			
CONTENTS	PROGRAM PERIOD	Aug.21.2006 ~ Oct.26.2006		
<p>In this program, the emphasis is put on introduction of Japanese experience and basic theories of distribution of fisheries products.</p> <p>The main themes are:</p> <p>(1) lectures {(a) wholesale market, (b) farming area, (c) retail, (d) consumers},</p> <p>(2) practical training {(a) wholesale market, (b) wholesale companies, (c) agricultural cooperative, (d) retail store},</p> <p>(3) field training and observation at farming area,</p> <p>(4) preparation of action plan</p>	IMPLEMENTING PARTNER	THE OSAKA MUNICIPAL CENTRAL WHOLESale MARKET		
	JICA CENTER	Osaka International Center		
	COOPERATION PERIOD	2005 ~ 2009		
	REMARKS	The topic of this program is carried out with "Fresh fruit and vegetables" and "Fisheries products" every other year. FY 2006 is "Fresh fruit and vegetables".		



Utilization and Preservation Techniques for Animal Products II 畜産物の利用と保蔵技術Ⅱ		 Multi-participants	 Multi-year	J0603518
Agricultural/Rural Development—Other Agricultural/Rural Development Issues 8 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>To develop human resources in order to increase the value of food by maintaining animal product quality and improving food safety in their countries.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To acquire the theory of meat science and food hygiene, and techniques of animal fattening, slaughtering and carcass dressing</p> <p>(2) To acquire techniques of food processing, usage of additives and preservation of animal products through food hygiene science</p> <p>(3) To acquire knowledge on the system of food hygiene management and food traceability, and to make an improvement plan for food hygiene management after their return</p>	<p>(1) Technologists and researchers engaged in the animal product processing industry or food science institutes</p> <p>(2) Age: 25-35 years old</p> <p>(3) Participants are expected to be able to handle and eat pork meat in the practice exercises.</p>			
CONTENTS	PROGRAM PERIOD	Feb.18.2007 ~ May.24.2007		
<p>Preparatory phase: A Job Report is developed for the participants on the contents of their jobs, problems to be addressed, fields of interest, and the reasons.</p> <p>Program in Japan: This program consists of lectures, practical exercises, observation and discussion.</p> <p>(1) Meat science, food hygiene, fattening techniques, slaughtering and carcass dressing</p> <p>(2) Processing techniques, production and processing of animal products, properties of milk products</p> <p>(3) Food packaging materials, additives, method of HACCP, quality control by traceability To make a concrete Action Plan which describes project objectives, outputs, major activities, etc. after returning.</p>	IMPLEMENTING PARTNER	OBIHIRO UNIV. OF AGRICULT. & VETERINARY MEDICINE		
	JICA CENTER	Obihiro International Center		
	COOPERATION PERIOD	2006 ~ 2010		
	REMARKS			





OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Participants will enhance their capabilities to develop and produce processed foods with high quality and added value utilizing agricultural resources in their own countries.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1) To understand the legal and administrative systems on food processing and preservation in Japan</li> <li>2) To understand the technologies of food processing and preservation in Japan</li> <li>3) To understand the situation regarding research and development, production and distribution of food products in Japan, and to clarify the issues in their own countries by comparison with Japan</li> <li>4) To acquire practical skills and techniques for proper food processing and preservation</li> </ol>	<ol style="list-style-type: none"> <li>(1) Researcher or technical staff in research institutes related to food processing and preservation</li> <li>(2) Capable of conducting basic chemical experiments (e.g. operation of balance/pH meter, preparation of acid/alkaline reagents, etc.)</li> <li>(3) Have a university degree or equivalent in a science program</li> <li>(4) Have a sufficient command of written and spoken English</li> </ol>	
CONTENTS	PROGRAM PERIOD	
<p>This program consists of the following two parts:</p> <ol style="list-style-type: none"> <li>1. General training: All participants will receive the same training as follows: <ol style="list-style-type: none"> <li>1) Lectures on legal/administrative systems and technologies on food processing and preservation in Japan</li> <li>2) Observation tours to food-related facilities (factories, research institutes, etc.)</li> </ol> </li> <li>2. Individual training: Participants will be divided into small groups of different themes to receive more specialized training through practical exercises. The themes in FY2005 are as follows (the themes vary every year): <ol style="list-style-type: none"> <li>1) Measuring techniques and efficient incubation techniques of GABA and application for acidophilus food products</li> <li>2) Techniques for analysis of brewed foods</li> <li>3) Experimental manufacture and ingredient analysis of processed foods of agricultural products</li> <li>4) Sterilization techniques and theory through experimental production of thermally sterilized foods</li> </ol> </li> </ol>	<p><b>IMPLEMENTING PARTNER</b></p>	<p>HIROSHIMA PREF. FOOD TECHNOLOGY RESEARCH CENTER</p>
	<p><b>JICA CENTER</b></p>	<p>Chugoku International Center</p>
	<p><b>COOPERATION PERIOD</b></p>	<p>2006 ~ 2010</p>
	<p><b>REMARKS</b></p>	<p>This program mainly targets countries in East and Southeast Asia due to the similarity of food culture such as rice as a staple food, use of soy sauce, etc. (These are the main materials used in the training.)</p>





<b>Conservation and Sustainable Management of Mangrove Ecosystems</b> <b>マングローブ生態系の持続可能な管理と保全</b>		 Multi-participants	 Multi-year	J0600015
Target Countries: Countries with mangrove area		Nature Conservation—Sustainable Use of Natural Resources 6 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The participants will understand the techniques and methods of conservation and rehabilitation of mangrove ecosystems and understand the importance of integrated management of coastal ecosystems.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To understand the main roles and functions of mangrove ecosystems, and to acquire knowledge on the importance of conservation, monitoring, and sustainable utilization of mangrove resources</p> <p>(2) To acquire basic knowledge on plant taxonomy, forest ecology, nursery practices and plantation techniques</p> <p>(3) To understand the integrated relation of mangrove ecosystems and their neighboring sea-grass ecosystems and coral reefs and the importance of integrated management of those coastal ecosystems</p> <p>(4) To acquire basic techniques of making promotional or educational materials which can be used in one's own country/region, effective methods of presentation, and simple methods of making project proposals</p>	<p>[Target Organizations] Those engaged in mangrove conservation or management</p> <p>[Target Group] (1) Have at least 3 years of experience in the above-mentioned field (2) Presently working in the field of conservation/rehabilitation of mangroves as a leader (or an expected leader) (3) Age: 24-40 years old</p>			
CONTENTS	PROGRAM PERIOD	May.30.2006 ~ Aug.19.2006		
<p>Preparatory phase: A Country Report describing the present situation of mangrove ecosystems in the participants' countries and roles of their organization is developed.</p> <p>Program in Japan: This program consists of lectures, field works, discussions, report-making/presentation, and observation tours.</p> <p>(1) Ecology and plant physiology (2) Silviculture (3) Management plan and strategy (4) Coastal ecosystems conservation (5) Public awareness and environmental education (6) Report-making (7) Presentation</p>	IMPLEMENTING PARTNER	INT'L SOCIETY FOR MANGROVE ECOSYSTEMS(ISME)		
	JICA CENTER	Okinawa International Center		
	COOPERATION PERIOD	2005 ~ 2009		
	REMARKS	*Joint Program with "Management Conservation of Coral Reef Ecosystem in Asia-Pacific Region" Program (J0600011)		

<b>Environmental Education for Sustainable Development—Conservation of Coastal Ecosystems for Lives of Local Communities—</b> <b>持続可能な開発のための環境教育—沿岸生態系と住民生活の保全—</b>		 Multi-participants	 Multi-year	J0600031
Target Countries : Maritime Countries with tropical or sub-tropical areas		Nature Conservation—Sustainable Use of Natural Resources 10 participants /		English
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The aim is to enable participants to understand the importance of promoting a community based approach, human networking for sharing information and experience and a wide range of participation of community, which are proposed in the 'United Nations Decade of Education for Sustainable Development' and 'ACD (Asia Cooperation on Dialogue) of environmental education', and to promote those activities through education for sustainable development or environment education.</p> <p>To reach the objective, participants are expected to achieve following outputs:</p> <p>I</p> <p>(1) Understand the functions, roles and importance of integrated coastal ecosystems including mangrove, sea grass and coral reef ecosystems and understand how to sustainably use those resources in harmony with local residents and communities</p> <p>(2) Understand what is environmental education for sustainable development</p> <p>(3) Understand simple methods of monitoring coastal ecosystems, and sustainable utilization, such as eco-tourism</p> <p>(4) Write a practical program and action plan in order to make proposals for their communities or policy proposals for their governments on education for sustainable development after return</p> <p>After returning to their home countries, participants will implement the action plan.</p>	<p>[Target Organizations] Organizations presently engaged, or may be engaged in the future in designing, promoting or practicing education for sustainable development or environmental education (public sector, local government, private sector or NGOs, etc.)</p> <p>[Target Group] (1) Persons engaged in the above-mentioned fields (2) Persons engaged in environmental education for at least 2 years (3) Age: 24–35 years old</p>			
CONTENTS	PROGRAM PERIOD	Sep.26.2006 ~ Nov.11.2006		
<p>Preparatory phase: Participants will make a country report describing the present situation of environmental education in the participant's country and the role of their organization.</p> <p>Program in Japan: This course consists of lectures, practical exercises, discussions, making and presenting reports, and observation tours.</p> <p>(1) Environmental education for sustainable development (2) Coastal ecosystems conservation (3) Traditional uses and eco-tourism (4) Simple methods for monitoring (5) Making action plan/proposal (6) Presentation</p> <p>Post-program activities: After participants' return (1) Participants: The actions described in the action plan are authorized and implemented. (2) Japan: Give necessary information or advice to participants through a follow-up homepage for participants (under planning).</p>	IMPLEMENTING PARTNER	INT'L SOCIETY FOR MANGROVE ECOSYSTEMS(ISME)		
	JICA CENTER	Okinawa International Center		
	COOPERATION PERIOD	2005~2009		
	REMARKS	This program will promote "A Prime Mover Project in the Asia Cooperation Dialogue (ACD) of Japan Environmental Education."		

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.



Forest Research II 森林研究 II		Multi-participants		J0600749
Nature Conservation—Sustainable Use of Natural Resources 5 participants / English or				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>The objective of this program is to upgrade knowledge and skills of researchers in the field of forestry, forest products and forest function research.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To acquire comprehensive knowledge and latest information on forests and Japanese forest administration            (2) To develop a higher ability to carry out basic forest research work            (3) To strengthen professional capabilities to contribute to sustainable forest use            (4) To pass on the training result to other staff in their respective countries</p>		<p>(1) University/college graduate or equivalent            (2) Research scientists of forest research organizations or universities with at least 5 years of work experience            (3) Age: Under 50 years old            Note: This program is not designed for administrators, but for research scientists.</p>		
CONTENTS		PROGRAM PERIOD	Aug.15.2006 ~ Nov.19.2006	
<p>Forest research is designed to provide researchers with the latest knowledge and methodology of forest research. There are three main themes of the program: Forestry, Forest Products and Forest Function Research.            Only one theme is focused on in one year, therefore, this program is run on a three-year cycle.            Themes conducted in Fiscal year 2005 and 2006 are as follows:            2005: Forestry            2006: Forest Products</p>		IMPLEMENTING PARTNER	Forestry and Forest Products Research Institute	
		JICA CENTER	Tsukuba International Center	
		COOPERATION PERIOD	2002 ~ 2006	
		REMARKS	Website: <a href="http://www.ffpri.affrc.go.jp/">http://www.ffpri.affrc.go.jp/</a>	

Management of Ecotourism and Sustainable Use of Natural Parks 自然公園の管理・運営と利用(エコツアー)		Multi-participants		J0600756
Nature Conservation—Sustainable Use of Natural Resources 7 participants / English				
Target Countries: Middle and East Europe, Central and East Asia including Bhutan, Nepal				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>Middle-ranking officials in charge of introducing and implementing eco-tourism in the administration of nature parks in developing countries will enhance their awareness on conservation of the environment and wise use of natural resources based on the idea of the Ramsar Convention, Convention on World Heritage, and International Convention on Biological Diversity.            To reach the objective, participants are expected to achieve the following:            (1) To understand the systems and ideas on conservation of the environment, management and wise use of natural resources, and community development implemented in Japan            (2) To understand the systems, ideas and methods of eco-tourism, be able to draw up applicable plans which meet the objectives of promoting international cooperation regarding the Ramsar Convention, Convention on World Heritage, and International Convention on Biological Diversity for their countries            (3) To understand the importance of environmental education and to be able to draw up applicable plans for their countries</p>		<p>[Target Group]            1) Those responsible for nature conservation, management and administration of natural parks and promotion of environmental education            2) Those eager to coordinate field activities and environmental education            3) University graduate or equivalent            4) Be in good health and not pregnant because this program includes many field trips</p>		
CONTENTS		PROGRAM PERIOD	Sep.24.2006 ~ Nov.12.2006	
<p>Preparatory phase: To submit a Job Report which includes an introduction of work, problems faced in the participant's country, fields of particular interest and the reason, as well as a questionnaire            Program in Japan: This program consists of lectures, practical exercises, observation and discussion.            National Parks in Japan:            - Measures for eco-tourism in Japan - Introduction of regional wise-use activities            - Eco-tour program- Ramsar wetlands conservation and eco-tour - Eco-tour management by local residents &amp; NGO - Environmental education- Protection of wildlife and eco-tour - Promotion and development in national parks            To make a concrete Action Plan after return.            Post-program activities: Questionnaire on effect of the program and execution of action plan will be conducted.</p>		IMPLEMENTING PARTNER	KUSHIRO INTERNATIONAL WETLAND CENTRE	
		JICA CENTER	Obihiro International Center	
		COOPERATION PERIOD	2002 ~ 2006	
		REMARKS		

Environmental Management of Regional Drainage Basin 地域流域環境管理Ⅱ		Multi-participants		J0600765
Nature Conservation—Sustainable Use of Natural Resources 8 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>To develop human resources who are capable of formulating policies and plans through the method of environmental management by unit of each drainage basin from source of river to river mouth.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To understand the principles of environmental management of regional drainage basins and the fundamental method of landscape ecology</p> <p>(2) To understand the method of waterworks for environmental management in drainage basins</p> <p>(3) To understand the method of citizens' participation and public involvement in environmental management of regional drainage basins</p> <p>(4) To understand essential knowledge for formulating plans/drafts of projects on environmental management of drainage basins in their countries</p>		<p>[Target Group]</p> <p>1) Technical officers, planners, researchers or educators engaged in improvement, development and research activities for drainage basin environmental management</p> <p>2) Background in geography, geomorphology, hydrology, water, river, and wildlife management, ecological and soil conservation</p> <p>3) At least 3 years of experience</p> <p>4) Not pregnant because this program includes many field trips</p>		
CONTENTS		PROGRAM PERIOD	May.7.2006 ~ Jul.22.2006	
<p>Preparatory phase: To submit a Job Report which includes an introduction of work, problems faced in the participant's country, fields of particular interest and the reason, as well as a questionnaire</p> <p>Program in Japan: This program consists of lectures, practical exercises, observation and discussion.</p> <p>Landscape ecology and its application to river works</p> <p>- Environmental management of drainage basin by GIS. - River monitoring and water quality conservation. - Flood control. - Waterworks. - Sewage treatment. - Agriculture and drainage environment management. - Ground water. - River restoration and citizens' participation</p> <p>To make a concrete Action Plan after return.</p> <p>Post-program activities: Questionnaire on effect of the program and execution of Action Plan will be conducted.</p>		IMPLEMENTING PARTNER	Hokkaido University	
		JICA CENTER	Obihiro International Center	
		COOPERATION PERIOD	2003 ~ 2007	
		REMARKS	Follow-up cooperation for supporting seminars / workshops in respective countries is under consideration.	


Planning & Management of Eco-tourism in Tropical and Subtropical Area 熱帯・亜熱帯地域におけるエコツーリズム企画・運営		Multi-participants		Multi-year	J0600843
Nature Conservation—Sustainable Use of Natural Resources 10 participants / English					
Target Countries: Maritime Countries with tropical or sub-tropical areas					
OBJECTIVE		TARGET ORGANIZATION / GROUP			
<p>The participants will learn the methods of planning and implementation of eco-tourism utilizing tourism resources in island countries of tropical and subtropical areas, such as coral reefs and mangroves, and become able to plan and implement eco-tourism which has little adverse impact on the environment.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To gain the knowledge and skills necessary to plan and manage eco-tourism in a locality</p> <p>(2) To understand the eco-tourism implementation system such as human resource development, utilization, etc. in Okinawa</p> <p>(3) To understand the resource distribution survey and arrangement method used in Okinawa</p> <p>(4) To prepare and present an eco-tourism program using area resources</p> <p>(5) To prepare and present an action program</p>		<p>[Target Organizations]</p> <p>Engaged in planning and management of tourism development and eco-tourism (administrative agency, public corporation or NGO which works together with administrative agency)</p> <p>[Target Group]</p> <p>(1) Have at least 3 years of experience in the above-mentioned field</p> <p>(2) Age: Under 35 years old</p>			
CONTENTS		PROGRAM PERIOD	Apr.4.2006 ~ Jun.17.2006		
<p>Preparatory phase:</p> <p>A Country Report describing the present situation of eco-tourism in the participants' countries and roles of their organizations is developed.</p> <p>Program in Japan:</p> <p>(1) Lectures</p> <p>- Understanding eco-tourism: the current state and issues</p> <p>- Understanding the government sector's initiatives toward tourism development and environmental conservation</p> <p>- Understanding the natural environment and conservation efforts in tropical and subtropical areas</p> <p>- Resources development (including human resources), presentation, etc.</p> <p>(2) Fieldwork</p> <p>(3) Preparation and presentation of a report and programs</p> <p>(4) Observation</p>		IMPLEMENTING PARTNER	Okinawa Environment Club		
		JICA CENTER	Okinawa International Center		
		COOPERATION PERIOD	2004 ~ 2008		
		REMARKS	*Be skilled in using a PC and digital camera for making and presenting reports		


<b>Forest Management Through Coexistence</b> <b>共生による森林保全</b>		Multi-participants	Multi-year	J0600919
Nature Conservation—Sustainable Use of Natural Resources 12 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
Human resources are fostered to lead the conservation of existing forests, coexistence of human and forests and to develop forests in each country. To reach the objective, participants are expected to achieve the following: (1) To understand how to efficiently promote both forest conservation and human activities and to achieve results. (2) To understand forest resources and benefits from them (3) To understand the roles of conservation of biological diversity played by forests		1) Have knowledge about forestry science and related basic knowledge about natural and social science with at least 5 years of experience in forest administration and forest management 2) University graduate or equivalent 3) Age: Under 40 years old 4) Not pregnant because this program includes many field trips		
CONTENTS		PROGRAM PERIOD	Aug.27.2006 ~ Nov.17.2006	
Preparatory phase: To submit a Job Report which includes an introduction of work, problems faced in the participant's country, fields of particular interest and the reason. Program in Japan: This program consists of lectures, practical exercises, observation and discussion. (1) Current situation of the world and in Japan concerning forests/forestry, forests and rural development, communal forests, forest management in each water basin, forestry and fisheries, NGOs in forestry, new approaches for forest rehabilitation, and so forth (2) Water conservation role of forests, carbon sink role of forests, and so forth (3) Bio-diversity conservation and forests, protected forests, and so forth To make a concrete Action Plan which describes project objectives, outputs, major activities, etc. after returning.		IMPLEMENTING PARTNER	Japan Overseas Forestry Consultants Association	
		JICA CENTER	Obihiro International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS		


<b>Practical Case Studies on Sustainable Forest Management II</b> <b>持続可能な森林経営の実践活動促進 II</b>		Multi-participants	Multi-year	J0600968
Nature Conservation—Sustainable Use of Natural Resources 16 participants / English				
Target Countries: Countries with over one million ha of forest				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
This program is designed to acquire various methods to improve and develop participant's capabilities of practical leadership in the policy-making, institutional and technical implementation useful for sustainable forest management.  Through the training program, participants are expected to acquire technology and knowledge in the following items. (1) Criteria and Indicators of SFM (2) Forest resource monitoring (3) National forest program (4) Participatory approach of forest management and Rural Appraisal (5) Action Plan preparation and presentation		(1) Technical staff in charge of forest management, planning and monitoring in the governmental organizations and have more than five years of experience (except for researchers at research institute and Ph.D holders) (2) University graduate or equivalent (3) Age: under 45 years old (4) Have a sufficient command of spoken and written English		
CONTENTS		PROGRAM PERIOD	Aug.22.2006 ~ Nov.11.2006	
(1) Introduction of Sustainable Forest Management(SFM) (2) Criteria and Indicators of SFM (in the world and in Japan) (3) Forest Resource Monitoring Method (GIS, Remote Sensing, Botanical Survey) (4) National Forest Program(Forest Policy and Planning in Japan, Forest Protection, National Park) (5) Participatory Approach of Forest Management (6) Participatory Approach of Rural Appraisal (7) Preparation and Presentation of Action Plan		IMPLEMENTING PARTNER	FOREST TRAINING INSTITUTE, FORESTRY AGENCY	
		JICA CENTER	Tokyo International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS	Participating countries should have over one million ha of forest representing at least 10% of total land area. Compulsory intensive Japanese course: 50 hrs.	

<b>Forest Watershed Environment, Soil and Water Conservation Technology</b> <b>森林流域環境、水土保持技術</b>		Multi-participants	Multi-year	J0600970
Nature Conservation—Sustainable Use of Natural Resources 6 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
Participants are expected to acquire various methods or skills of the relevant with the emphasis on the implementation of the watershed forest management which plays vital role for watershed environment and water soil maintenance and they are also required to be able to plan, operate and improve forest conservation activity, afforestation and especially that of participated by the citizens. To reach the objective, participants are expected to achieve the following results: 1 To understand soil taxonomy and conduct soil profile survey and simple soil analysis 2 To understand the role of forest and soil in the hydrological cycle, soil & water conservation, and CO2 sink 3 To understand forest operation and simple erosion control method which are required for soil & water conservation in forests 4 To understand the Clean Development Mechanism and the Japanese forest management system, which involves multiple beneficiaries and activities related to Afforestation/Reforestation 5 To formulate an action plan for environmental conservation and soil & water conservation in watersheds of each participant's country		Official technical staff responsible for administration for forest and forestry, or NGO's project managers related to soil and water conservation or equally experienced persons.		
CONTENTS		PROGRAM PERIOD	Aug.29.2006 ~ Oct.27.2006	
The program mainly covers the following subjects in the lectures and field works: 1. Forest soil survey 2. Forest hydrology and theory of water conservation and erosion control 3. Soil & water conservation technologies in subtropical zone 4. Social institution and policy with relation to soil & water conservation 5. Formulation of a concept of action plan		IMPLEMENTING PARTNER	JAPAN FOREST TECHNOLOGY ASSOCIATION	
		JICA CENTER	Tokyo International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS		

<b>Management and Conservation of Coral Reef Ecosystem in Asia Pacific Region</b> <b>サンゴ礁生態系の保全管理(アジア・太平洋地域)</b>		Multi-participants	Multi-year	J0600011
Nature Conservation—Conservation of Biodiversity 7 participants / English				
Target Countries: Asia and Pacific countries with coral reefs				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
The participants will understand the methods of necessary surveys and policies to promote the conservation and sustainable use of coral reefs and the importance of integrated management of coastal ecosystems. To reach the objective, participants are expected to achieve the following: (1) To understand the role of coral reefs, the relationship between coral reefs and human activities, and the importance of proper management of coral reefs (2) To understand the theory and methodology of conservation and restoration of coral reefs (3) To understand tourism and environmental education of coral reefs (4) To understand methods of planning and designing of integrated management of coral reefs and to make a management plan (or action plan) of their countries (5) To understand the importance and various methods of monitoring of coral reefs After returning to their home countries, participants will implement the action plan.				
CONTENTS		PROGRAM PERIOD	May.30.2006 ~ Jul.28.2006	
Preparatory phase: A Country Report describing the present situation of coral reefs in the participants' countries and roles of their organization is developed. Program in Japan: This program consists of lectures, practical exercises, discussions, report-making/presentation, and observation tours. The main subjects are: (1) Conservation and sustainable management of coral reef ecosystems (2) Methods of monitoring and conserving coral reef areas (3) Tourism and environmental education of coral reefs (4) Collaborative management of coastal areas with stakeholders (5) Making and presenting the action plan (6) Joint program with mangrove program (See the remarks.) After participants' return: The actions described in the action plan are authorized and implemented.		IMPLEMENTING PARTNER	MINISTRY OF THE ENVIRONMENT	
		JICA CENTER	Okinawa International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS	*Joint program with "Conservation and Sustainable Management of Mangrove Ecosystem" (J0600015) *No more than the fixed number of 10 participants will be accepted.	

<b>Conservation and Sustainable Use of Tropical Marine Biological Diversity</b> <b>熱帯海洋生物多様性の保全と持続的利用技術</b>			Multi-participants	J0600735
Target Countries: Southeast Asia and Pacific		Nature Conservation—Conservation of Biodiversity Fisheries—Fisheries Resource Management 5 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>Diverse biological resources exist in the ocean and toropical areas. In such areas,however, there is much demand for people who have knowledge of conducting programmes needed to protect biological diversity. The purpose of this program is to train researchers concerning biological resources, in particular conservation and sustainable use of tropical marine biological deiversity designed for researchers working in the national research institutes and educational facilities in developing countries.</p> <p>Participants are expected to acquire necessary knowledge as a specialist conducting basic researches on conservation and sustainable use in their countries.</p>	<p>(1)Researcher with a bachelor's or higher degree of organic chemistry, micro biology, biological chemistry, or molecular biology,  (2)Have an experience of more than 3 years in the mentioned fields in the national institutes or educational facilities,  (3)Age: under 40 years old in principle</p>			
CONTENTS	PROGRAM PERIOD	Nov.1.2006 ~ Jul.22.2007		
<p>This program consists of researches in the labs and on study tours. Participants belong to each research group with a theme and has a leader to work with.</p> <p>Research theme at the fiscal year 2005</p> <ol style="list-style-type: none"> <li>1) Study on the phenetic and genetic diversity of marine bacteria</li> <li>2) Identification of petroleum hydrocarbon degrading microorganisms</li> <li>3) Biologically active compounds from marine microorganisms</li> <li>4) Functional analysis of metabolic genes derived from marine bacteria</li> <li>5) Isolation and maintenance of microalgae</li> </ol>	IMPLEMENTING PARTNER	MARINE BIOTECHNOLOGY INSTITUTE CO.,LTD.		
	JICA CENTER	Tohoku International Center		
	COOPERATION PERIOD	2002 ~ 2006		
	REMARKS			

<b>Biodiversity Information System</b> <b>生物多様性情報システム</b>			Multi-participants	J0600789
		Nature Conservation—Conservation of Biodiversity 10 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The participants are expected to acquire knowledge and techniques on the data collection and plan to improve methods of dissemination and management of the biodiversity information.</p> <p>Participants are expected to:</p> <ol style="list-style-type: none"> <li>(1)Understand Nature Conservation Policy in Japan</li> <li>(2)Acquire collection of biodiversity information</li> <li>(3)Acquire GIS (Geographic Information System) for the management and dissemination of information</li> <li>(4)Acquire practical dissemination of biodiversity information by Internet (Web design and application)</li> <li>(5)Formulate and present Action Plan with regards to planning to improve methods of dissemination and management of the biodiversity information based on the training of (1) ~ (4).</li> </ol>	<ol style="list-style-type: none"> <li>(1) Technical staff member of the Department of Nature Conservation or Biodiversity Conservation with 2 or more years of experience in this field</li> <li>(2) university graduate or equivalent</li> <li>(3) Age: under 40 years old</li> <li>(4)have a sufficient command of spoken English and written English</li> <li>(5) have basic knowledge on MS-Windows operation system and related software(i.e. Excel, Word)</li> </ol>			
CONTENTS	PROGRAM PERIOD	Sep.26.2006 ~ Nov.18.2006		
<ol style="list-style-type: none"> <li>(1) Outline of Policy for biodiversity conservation in Japan</li> <li>(2) Outline of the data collection, management and dissemination of biodiversity information</li> <li>(3) Collection of biodiversity information</li> <li>(4) Practice of building Internet homepage</li> <li>(5)Practice of using GIS</li> <li>(6)Practice of using Database</li> </ol> <p>This program aims to acquire techniques on collection,analysis,treatment and dissemination of existing data and does not aim to acquire methodologies of collecting data on field survey.</p> <p>This program is designed for mainly technical staff member of the Dept. of Nature Conservation or Biodiversity Conservation to acquire above-mentioned techniques and to upgrade PC skills is not main purpose of the program.</p>	IMPLEMENTING PARTNER	Biodiversity Center of Jp., Min of the Environment		
	JICA CENTER	Tokyo International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS	<p>Implementing Institution:<a href="http://www.biodic.go.jp/">http://www.biodic.go.jp/</a>  Biodiversity Center, Nature Conservation Bureau, Ministry of the Environment  Managing institution of training:Japan Wildlife Research Center(JWRC)</p>		

<b>Conservation, Restoration and Wise-Use of Wetland Ecosystems and Their Biological Diversity</b> <b>湿地における生態系・生物多様性とその修復・再生及び賢明な利用</b>			Multi-year	J0600865
		Nature Conservation—Conservation of Biodiversity 6 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>Middle-ranking government technical officials, in charge of conservation of wetland ecosystems and biological diversity, will enhance their professional knowledge and techniques.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1) To understand methods of conducting surveys on wetland environments and biodiversity conservation and methods of database construction, utilization and maintenance</p> <p>(2) To understand the philosophy, knowledge, information and policy for execution concerning the Ramsar Convention</p> <p>(3) To understand restoration related to biological changes of Ramsar Convention wetlands and wildlife habitats</p> <p>(4) To understand wise use of wetland environments and natural resources</p>	<p>[Target Organizations] Central/regional governments engaged in measures for the conservation of wetland environments and biodiversity, the repair and restoration of ecosystems, wise use of natural resources, etc.</p> <p>[Target Group] 1) Middle-ranking administrators including engineers with 3-8 years of experience in this field 2) University graduate or equivalent 3) Be in good health and not pregnant because this program includes many field trips</p>			
CONTENTS	PROGRAM PERIOD	May.16.2006 ~ Jul.5.2006		
<p>Preparatory phase: To submit a Job report which includes an introduction of work, problems faced in the participant's country, fields of particular interest and the reason, as well as a questionnaire</p> <p>Program in Japan: This course consists of lectures, practical exercises, observations and discussions.</p> <p>Wetland and biodiversity conservation administration in Japan:</p> <ul style="list-style-type: none"> <li>- Establishment of biodiversity databases</li> <li>- Wetland monitoring survey methods- Bird banding survey method</li> <li>- Protection of migratory birds by remote sensing</li> <li>- Ramsar Convention- Local activities for wetland conservation</li> <li>- Wise use of wetland and biodiversity</li> <li>- Environmental education for wetland conservation</li> </ul> <p>To make a concrete action plan which describes project objectives, outputs, major activities, etc. after return</p>	IMPLEMENTING PARTNER	KUSHIRO INTERNATIONAL WETLAND CENTRE		
	JICA CENTER	Obihiro International Center		
	COOPERATION PERIOD	2004~2008		
	REMARKS	Follow-up cooperation for holding seminars / workshops in participants' countries may be taken under consideration.		


It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.


It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.











<b>Integrated Management for Coastal Fisheries</b> <b>沿岸漁業の統合的な管理手法</b>			Multi-participants	J0600752
Target Countries: Maritime countries		Fisheries—Fisheries Resource Management 5 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The objectives in the program are to improve the ability of policy-making on fishery promotion considering environmental preservation in developing countries through acquiring sufficient knowledge and skills in proposing appropriate plans to maintain and increase the coastal fishery resources in danger of exhaustion.</p> <p>Participants are expected:</p> <p>(1) To accumulate knowledge of legislative systems and regimes related to the fishery management, stock enhancement (releasing of fry/seeds), fishing gear and methods friendly to the ecosystem construction of artificial reefs, and environmental protection</p> <p>(2) To improve their capabilities to plan comprehensive policies for promoting sustainable coastal fisheries</p> <p>(3) To propose integrated management policies for sustaining and enhancing the resources of coastal fisheries</p>	<p>[Target Organizations] National or regional government in charge of fishery management and environment conservation</p> <p>[Target Group] (1) Governmental officers engaged in making policies for fishery management and environmental conservation (2) Have at least 3 years of experience in the above-mentioned field (3) Age: 30-45 years old</p>			
CONTENTS	PROGRAM PERIOD	Mar.21.2007 ~ Jun.30.2007		
<p>(1) Task clarification (Country report and job report presentation/issue analysis workshop)</p> <p>(2) Outline of fishery management and necessity of integrated management in coastal waters (lectures)</p> <p>(3) Fishery economy (lectures)</p> <p>(4) Resources management (lectures)</p> <p>(5) Stock enhancement and creation of artificial habitat (lectures)</p> <p>(6) Environment of coastal habitat (lectures)</p> <p>(7) Selective fishing (lectures)</p> <p>(8) Practice: Survey of fish market, field survey using a small fishing boat equipped with selective fishing gear, on-board survey using a quantitative echo sounder, planning, framing and presentation of action plans</p> <p>(9) Study tours</p>	IMPLEMENTING PARTNER	NATIONAL FISHERIES UNIVERSITY		
	JICA CENTER	Chugoku International Center		
	COOPERATION PERIOD	2002 ~ 2006		
	REMARKS			

<b>Coastal Fisheries Resource Management</b> <b>沿岸漁業資源管理</b>		 Multi-participants	 Multi-year	J0600863
Target Countries : Maritime countries		Fisheries—Fisheries Resource Management 10名 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>Participants will obtain the below-mentioned 3 goals, by learning the resources management methods, activities and roles of fisheries organizations in Japan.</p> <p>(1) To understand laws and systems concerning sustainable coastal fisheries management,</p> <p>(2) To enhance their knowledge and administrative capability of search method and other techniques on coastal fisheries resource management,</p> <p>(3) To acquire planning capability on coastal fisheries resource management through the exercise of planning of action plan,</p> <p>(Organization of the participant is strongly recommended to formulate the coastal fisheries resource management plan based on the participant's action plan and to implement it.)</p>	<p>1. Have more than 5 years of experience in fisheries sector</p> <p>2. University graduates or equivalent,</p> <p>3. Under 50 years old</p>			
CONTENTS	PROGRAM PERIOD	Aug.20.2006 ~ Sep.30.2006		
<p>1. Preliminary Program</p> <p>Participants should study the designated documents, prepare a country report and submit it before coming to Japan</p> <p>2. Program in Japan</p> <p>The program is 1.5 month duration and includes lectures, discussion groups, observation tours.</p> <p>The topics covered are as follows.</p> <ul style="list-style-type: none"> <li>*Stock Assessment and Fisheries Management</li> <li>*Fisheries Management</li> <li>*Fisheries and Environment</li> <li>*Increase of Fisheries Productivity</li> <li>*Fisheries Administration</li> <li>*Fisheries Education and Training</li> <li>*Problem analysis of Fisheries Management in the participants' respective countries</li> <li>*Discussion</li> </ul> <p>3. Post-program Activities</p> <p>Participants should formulate a plan based on the action plan.</p>	IMPLEMENTING PARTNER	INTEM Consulting, Inc.		
	JICA CENTER	Yokohama International Center		
	COOPERATION PERIOD	2004~2008		
	REMARKS			

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.


It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.



<b>Coastal Fishing Technique for Sustainable Resource Use II</b> <b>持続可能な沿岸漁業 II</b>		 Multi-participants	 Multi-year	J0600975
Target Countries: Maritime countries		Fisheries—Fisheries Resource Management 5 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>Small-scale coastal fishing by artisan fishers accounts for the most part of the fishery in developing countries. However, sustainable and effective fishing methods need to be diffused as resources decline.</p> <p>This program aims to enable participants to manage sustainable development and diffusion of fisheries for the region the participants are responsible for.</p> <p>To reach objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1. To learn basic knowledge on the structure and capture function of fishing gear</li> <li>2. To learn major fishing methods in coastal fisheries through practice exercises</li> <li>3. To learn basic fishery resource biology, in particular, of target species in tropical coastal waters</li> <li>4. To learn basic and applied knowledge of the management of capture fisheries toward responsible fisheries</li> <li>5. To learn a model method of proper management of capture fisheries using a major fishing gear</li> </ol>	<ol style="list-style-type: none"> <li>1. More than 3 years of experience in fishing gear design and operation or engaged in extension service for coastal fishing techniques</li> <li>2. University graduate or equivalent</li> <li>3. Age: Preferably under 40 years old</li> </ol>			
CONTENTS	PROGRAM PERIOD	Mar.6.2007 ~ Jun.23.2007		
<ol style="list-style-type: none"> <li>1. Introduction to fisheries and management in Japan, introduction to designing fishing gear, etc.: Lectures</li> <li>2. Measurement in fishing technology: Module</li> <li>3. Structure and operation of trawl: Module</li> <li>4. Fishing ground survey and devices: Module</li> <li>5. Bycatch/discard survey in set-net fishery: Module</li> </ol> <p>The module will provide both lectures and practice exercises (both on boat and on land)</p>	IMPLEMENTING PARTNER	KYUSHU INTERNATIONAL CENTER, JICA		
	JICA CENTER	Kyushu International Center		
	COOPERATION PERIOD	2005 ~ 2009		
	REMARKS			

<b>Planning of Fisheries Community Development</b> <b>漁業コミュニティ開発計画</b>		 Multi-participants	 Multi-year	J0600852
Target Countries : Countries with coastline or large lakes (670km2 or more)		Fisheries—Rural Development in Fisheries 10 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The purpose of this program is to enhance participants' capabilities for comprehensive fishing community development through understanding of Japanese cases of community-based development in fisheries sectors.</p> <p>Outputs of the course are as follows:</p> <p>(1) To enhance the planning and management capabilities for fisheries community development.</p> <p>(2) To deepen the knowledge on sustainable fisheries development.</p> <p>(3) To deepen the knowledge on institutional framework of community for fisheries development.</p> <p>(4) To Formulate an appropriate fisheries development plan.</p>	<p>(1)Have more than 5 years of experience in fisheries sector and 2 years of experience in policy making/planning in the fisheries development,</p> <p>(2)University graduates or equivalent,</p> <p>(3)Age: Under 50 years old</p>			
CONTENTS	PROGRAM PERIOD	Jul.11.2006 ~ Sep.23.2006		
<p>1. Preparatory Program</p> <p>(1)Sharing common problems and its recognition regarding fisheries community development with the participant's organization.</p> <p>(2)Preparing a country report including clear explanation of present situation and problems regarding fisheries community development by the organization.</p> <p>2. Program in Japan</p> <p>(1) Sustainable fisheries development: Introducing Japanese system of fisheries development and examples.</p> <p>(2) Institutional building and extension system: Formulating and managing fishermen organization, fishery extension system and service, and so on.</p> <p>(3) Comprehensive management for fisheries development: Introducing examples on coastal and watershed environment, impact on aquatic resources, relations with other industries and so on.</p> <p>(4) Project planning and management: Analyzing problems and issues in the participants' own countries and introducing appropriate planning and management methods on community development plans.</p> <p>(5) Visit and Observation</p> <p>(6) Study report formulation and presentation: This study report will be prepared based on the country report and should be brushed up through the acquainted knowledge of the course.</p> <p>3. Post-program Activities</p> <p>(1) Reviewing the study report with the organization.</p>	IMPLEMENTING PARTNER	I.C.Net Limited		
	JICA CENTER	Yokohama International Center		
	COOPERATION PERIOD	2004~2008		
	REMARKS	<p>Participant's organization is strongly recommended to bring the report to completion and put it into practice. (According to the scale of the proposed plan, the organization is expected to take such actions as to carry out the plan by itself, to utilize the report as a project proposal to donors, etc)</p> <p>Follow-up cooperation will be taken into consideration when a superior report is reviewed and finalized.</p>		

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

<b>Marine Farming for Stock Enhancement</b> <b>資源培養のための栽培漁業</b>		 Multi-participants	J0600336
		Fisheries—Stock Enhancement and Aquaculture 7 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
The objective of this program is as follows: 1.To Understand the following points (1)the method of hatchery enhancement (2)the method of seed-release situation (3) conservation of the nursery ground and method arrangement of artificial reef (4)the importance of fishery ground environment (5)the analysis method of environmental chemistry in fisheries ground (6)the method of improvement of coastal fishery ground (7)the statistical method on the evaluation of stocking effectiveness for fisheries resources.  2.To make a Study Report	(1)University graduate or equivalent academic level with over 5 year of work experience (2)Presently engaged in research and/or educational activities in fisheries (3)Be in good health condition to undergo fisheries field-work		
CONTENTS	PROGRAM PERIOD	Jun.5.2006 ~ Oct.29.2006	
1. Lectures and exercises (1)Environment of Fishery grounds (2)Fisheries Pollution (3)Environmental Chemistry (4)Fish Disease (5)Food nutrition for rearing (6) Artificial Reef and Nursery Ground (7)Benthos and Plankton (8)Technology of Hatchery Enhancement(Fish Seeding) (9)Seed- release Situation (10) Genetics for Fisheries (11)Statistical Method on the Evaluation of Stocking Effectiveness for Fisheries Resources (12)Fish Taxonomy (13)Early Life History at Fishes (14)Botany of Seaweed  2.Self-study session is prepared to each participant' speciality such as Fisheries Stock Management, Fisheries Ecology, Environmental Chemistry  3. Study Report	IMPLEMENTING PARTNER	USA MARINE BIOLOGICAL INSTITUTE, KOCHI UNIVERSITY	
	JICA CENTER	Shikoku International Center	
	COOPERATION PERIOD	1987 ~ 2006	
	REMARKS	Japanese intensive class(60hours at Kochi University)	

<b>Prevention of Cultured Fish Disease and Fish-Borne Disease</b> <b>養殖魚の健康と安全管理</b>		 Multi-participants	 Multi-year	J0600351
Target Countries: Countries with coastline or lakes suitable for seafood cultivation		Fisheries—Stock Enhancement and Aquaculture 8 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
The objective of this program is to make a proposal for a food processing system for participants' countries. To reach the objective, participants are expected to achieve the following: (1) To understand the knowledge and techniques for preventing fish-diseases and fish-borne diseases (2) To understand the knowledge and techniques for fish processing (3) To understand the knowledge and techniques for fish handling for high quality products	[Target Organizations] National or regional governments in charge of promoting aquaculture, fish processing and distribution  [Target Group] Administrators in charge of promoting aquaculture, fish processing and distribution for at least 3 years			
CONTENTS	PROGRAM PERIOD	May.30.2006 ~ Aug.5.2006		
(1) Country Report Presentation: Participants are invited to give presentations at a small scientific symposium attended by the graduate students of the National Fisheries University. (2) Lectures: Aquaculture activity in the world, prevention of epizootics in fish, immunology of fish and crustaceans, fish handling after harvesting, prevention of fish-borne diseases, fish processing, laws relevant to trade of fishes, possible chemical hazards when consuming fish (3) Experiment: Prevention of epizootics in fish, immunology of fish and crustaceans, fish freshness, prevention of fish-borne diseases, pathogenic bacteria isolated from fishes, possible chemical hazards when consuming fish (4) Demonstration: Possible chemical hazards when consuming fish (5) Practice: Fish handling for high quality products (6) Visit: Fisheries agency, fish market in Tokyo, fish processing factory at a coastal site (7) Exercise: Designing of food processing system and presentation of Plan	IMPLEMENTING PARTNER	NATIONAL FISHERIES UNIVERSITY		
	JICA CENTER	Chugoku International Center		
	COOPERATION PERIOD	2001 ~ 2005		
	REMARKS			



Sustainable Aquaculture Development II 持続的増養殖開発 II		Multi-participants Multi-year J0600848	
		Fisheries—Stock Enhancement and Aquaculture 9 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
(1) To learn theoretical and practical skills necessary to work as an Aquaculture technician and extension officer. (2) To acquire skills to determine how Aquaculture systems and practices can be modified to accommodate technical and human resource constraints. (3) To prepare and present study report as a “seed” to formulate an appropriate sustainable Aquaculture development strategy with environmental considerations, after going back to their home country	(1) Presently engaged in Aquaculture extension or research work with 3 years or more experience, (2) University graduates or equivalent, (3) Under 40 years old ※The program has much field work. Pregnancy is regarded as disqualifying condition for participation.		
CONTENTS	PROGRAM PERIOD	Feb.25.2007 ~ Jun.27.2007	
(1) Common Program: Outline of Aquaculture, Sustainable Aquaculture Development, Artificial Maturation, Seed Production and Living Food Organisms, Aquaculture Economics, Fish Nutrition, Fish Pathology, Environment Ecosystem, Bio-diversity, The State and Prospect for Biotechnology, Chromosome Manipulation, Gene Therapy, Project Cycle Management, Report Consultation and Presentation  (2) Specific Field Program: (a) Freshwater Aquaculture; Aquatic Engineering, Pond Fertilization, Integrated Aquaculture, Culture of Carp, Tilapia and others, Practical field work and site observation (b) Marine Aquaculture; Marine Pollution and Aquaculture, Cultivation of Rotifer, Culture of Seaweed, Grouper and others, Sea Farming, Practical field work and site observation	IMPLEMENTING PARTNER	Fisheries & Aquaculture International Co.,Ltd	
	JICA CENTER	Yokohama International Center	
	COOPERATION PERIOD	2004 ~ 2008	
	REMARKS	In the middle of the program, the program will be divided to two groups (Freshwater Aquaculture, Marine Aquaculture)	



Maintenance of Refrigeration System 冷凍機保守		Multi-participants Multi-year J0600720	
		Fisheries—Other Fisheries Issues 8 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
This program is designed for gaining the fundamental theories of refrigeration and air conditioning as well as the technique on the maintenance work of freezer, refrigerator and air conditioner. This is expected to contribute to fostering the capable person who engage in freshness maintenance of the catch on board of small fishing boat and quality assurance of fisheries products on shore.	(1) High school graduates or have the equivalent academic background (2) Presently engaged in field of refrigeration, and have more than three years of occupational experience in this field (3) Age: between 25-40 years old		
CONTENTS	PROGRAM PERIOD	Mar.13.2007 ~ May.12.2007	
The program is two-month duration and includes lectures, practice and study trips.  The topics covered are as follows,  (1) Refrigeration theory (2) Fundamental knowledge of refrigeration system (3) Practice for maintenance of refrigeration system (4) Observation of refrigeration manufacturing factory (5) Others	IMPLEMENTING PARTNER	Nissin Refrigeration & Engineering Ltd.	
	JICA CENTER	Osaka International Center	
	COOPERATION PERIOD	2002 ~ 2006	
	REMARKS		







Seminar on Gender Perspective in Environment and Development 「環境と開発と男女共同参画」セミナー		 Multi-participants  Multi-year         J0600009	
		Gender and Development—Gender and Development 9 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>In order to overcome environmental problems, it is essential to define the role of women in environmental preservation, as well as in the achievement of sustainable development. Considering the gender perspective, the objective of the seminar is to enable participants to understand the importance of balancing environmental conservation and national development and to help them implement countermeasures against pollution, especially in Asia.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1. To understand the role of women in the preservation of the global environment and sustainable development</li> <li>2. To acquire fundamental knowledge and various measures to reform the gender relationship in respective countries</li> <li>3. To be able to carry out various environmental measures in an effective manner from the participant's individual standpoints (from government level to NGO level)</li> <li>4. To understand the significance and importance of education on the environment and sustainable development, and to develop skills as a leader.</li> </ol>	<ol style="list-style-type: none"> <li>(1) Government officers or staff of NGOs in charge of environmental problems or women's issues</li> <li>(2) Have at least 3 years of work experience in the field</li> <li>(3) Have a sufficient command of spoken in English (TOEFL score of at least 500)</li> </ol>		
CONTENTS	PROGRAM PERIOD	Jan.22.2007 ~ Mar.7.2007	
<ol style="list-style-type: none"> <li>(1) Women in the environment and development</li> <li>(2) Introduction to GAD</li> <li>(3) Introduction to GAD</li> <li>(4) Case study in Asian countries</li> <li>(5) Women and the environment in Kitakyushu city</li> <li>(6) Case study: Minamata Disease and pollution in Kitakyushu</li> <li>(7) Role of NGOs and their partnership with Government</li> <li>(8) Waste management and protection of the forest environment</li> </ol>	IMPLEMENTING PARTNER	KITAKYUSHU FORUM ON ASIAN WOMEN	
	JICA CENTER	Kyushu International Center	
	COOPERATION PERIOD	2005 ~ 2009	
	REMARKS	Participants are required to give a presentation to citizens on the situation of gender and the environment.	

Seminar for Leaders of Improvement of Woman's Life Style 女性の生活と地位向上に寄与するリーダーの養成		 Multi-participants  Multi-year         J0600033	
		Gender and Development—Gender and Development 8 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>Based upon what we have accomplished through the 50-year history of education for women, the goal of this program is to educate leaders who participate in women's rights, health and quality of life issues.</p> <p>Through the programs participants are expected to attain the following objectives:</p> <ol style="list-style-type: none"> <li>(1) To acquire basic knowledge of gender and problems caused by gender inequality.</li> <li>(2) To understand the endeavor for improvement in women's status and quality of life through examples in Kochi and in Japan.</li> <li>(3) To understand deeply women's problems in the countries of other participants.</li> <li>(4) To become fully conscious of the need to analyze and resolve women's problems in the respective countries of participants through all that they learn in the programs.</li> </ol>	<ol style="list-style-type: none"> <li>(1) Those who deals with the improvement of lives and social status of women</li> <li>(2) Works as a local government officer or have an occupation associated with governmental services for local groups or organizations</li> <li>(3) Have an experience of social development</li> <li>(4) Graduates of high school or have an relevant academic background</li> </ol>		
CONTENTS	PROGRAM PERIOD	Nov.20.2006 ~ Dec.13.2006	
<ol style="list-style-type: none"> <li>1. Lectures and discussions               <ol style="list-style-type: none"> <li>(1) History of women's life in Japan</li> <li>(2) Gender Studies</li> <li>(3) Home life improvement workers in communities</li> <li>(4) Women's health</li> <li>(5) Reproductive rights and health</li> <li>(6) Family sociology and women</li> <li>(7) Domestic violence and women</li> <li>(8) Women's empowerment and development</li> <li>(9) Quality of women's working life and social system</li> </ol> </li> <li>2. Final Report Presentation</li> </ol>	IMPLEMENTING PARTNER	Kochi Women's University	
	JICA CENTER	Shikoku International Center	
	COOPERATION PERIOD	2005 ~ 2009	
	REMARKS		

Seminar on Gender Mainstreaming for Government Officers ジェンダー主流化政策のための行政官セミナー		📌	Multi-participants	J0600723
Gender and Development—Gender and Development 9 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The purpose of this seminar is to foster government officers capable of introducing the principle of "gender mainstreaming" in decision-making and various development activities through learning case studies in Asia, for the purpose of creating an equal society through the empowerment of women.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1. To acquire the basic knowledge and techniques necessary for women's empowerment and gender mainstreaming in every field of society based on the viewpoint of gender equality</li> <li>2. To acquire the know-how to implement policies for women's affairs rationally and efficiently and to develop them into the comprehensive policy for gender mainstreaming</li> <li>3. To acquire management capability for the administration of women's affairs</li> </ol>	<p>[Target Organizations] Central/local governments</p> <p>[Target Group] (1) Government officers in charge of planning policies for improving the status of women and gender mainstreaming with at least 3 years of professional experience (2) Age: Under 45 years old (3) Sufficient command of spoken English (TOEFL score of at least 500)</p>			
CONTENTS	PROGRAM PERIOD	Jun.12.2006 ~ Jul.15.2006		
<ol style="list-style-type: none"> <li>(1) Introduction of policies for gender mainstreaming</li> <li>(2) Methods for gender mainstreaming and case studies in Asia</li> <li>(3) Gender mainstreaming in education, labor administration, health promotion, environment, agriculture, etc.</li> <li>(4) Introduction of gender equality in administration</li> <li>(5) Promotion of policies in gender mainstreaming in Kitakyushu City</li> <li>(6) Women's economic empowerment and entrepreneurship</li> </ol>	IMPLEMENTING PARTNER	KITAKYUSHU FORUM ON ASIAN WOMEN		
	JICA CENTER	Kyushu International Center		
	COOPERATION PERIOD	2002 ~ 2006		
	REMARKS	Participants are required to give presentations to citizens on the situation of women in their own country.		

Seminar for Promotion of Gender Equality II 男女共同参画推進セミナーⅡ		📌	Multi-participants	J0600748
Gender and Development—Gender and Development 9 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<ol style="list-style-type: none"> <li>(1) To acquire useful knowledge for strengthening of the national machinery for the advancement of women</li> <li>(2) To acquire useful knowledge, formulating, implementing, and monitoring the national plan of action</li> <li>(3) To exchange views on Good practices in developing countries (ODA/National government/NGO for the advancement of status of women)</li> <li>(4) To get the point of view required for the advancement of status of women as an officer in charge</li> </ol>	<ol style="list-style-type: none"> <li>(1) division-director or higher level of official of national machinery</li> <li>(2) university graduate</li> <li>(3) more than 5 years of experience of gender equality</li> <li>(4) 35 -50 years of age</li> <li>(5) adequate knowledge of Beijing Declaration and Platform for Action and *"Outcome Document"</li> </ol>			
CONTENTS	PROGRAM PERIOD	Nov.7.2006 ~ Dec.9.2006		
<ol style="list-style-type: none"> <li>(1) LECTURE The policy for promotion of gender equality in Japan Structure and activities of promoting gender equality in Japan(by related ministries), Gender statistics and others.</li> <li>(2)PRESENTATION AND DISCUSSION Gender training Gender Equality in Japan Country report PCM Workshop Presentation skill and others.</li> <li>(3) VISIT Local governments, Women's Center, other facilities related to gender equality</li> </ol>	IMPLEMENTING PARTNER	GENDER EQUALITY BUREAU,CABINET OFFICE		
	JICA CENTER	Tokyo International Center		
	COOPERATION PERIOD	2002 ~ 2006		
	REMARKS	*"Outcome Document" indicates further actions and initiatives to implement the Beijing Declaration and Platform for Action		



Target Countries: Countries with OISCA overseas office

OBJECTIVE	TARGET ORGANIZATION / GROUP	
To achieve the objective, participants are expected to produce following outputs: 1. Acquire the knowledge of following points (1)Healthy and environmentary sound agricultural production (2)Processing of agricultural products (3)Dietetics and cooking and basic knowledge of Nutrition (4)Basic knowledge of Hygiene (5)Technique of clothing and sewing (6)libving environment;reduction of garbage, water pollution (7)Exchange of views with women's organization and effective management of extention activities 2. Make an Action Plan	(1)female committed to work in the future as extension workers or as leaders in rural development (2)at least 2 year experience of agricultural/home living improvement work in the field/local community (3)over high school level and an enough physically/mentally good condition	
CONTENTS	PROGRAM PERIOD	Jan.17.2007 ~ Dec.15.2007
1. Lecture and Practice (1)Home living improvement activities and its functions (2)combined agricultural production:cultivation of rice and vegetables, poultry farming (3)Processing of agricultural products:crop processing, livestock processing, vegetables processing, fruit processing (4)Dietetics, food and cooking; species of nutriments, digestion and absorption (5)Hygene; contagious disease, HIV, family planning, maternity health (6)Dressmaking; basic technique and application of clothing and sewing (7)Home economics and Environment	IMPLEMENTING PARTNER	OISCA SHIKOKU TRAINING CENTER
	JICA CENTER	Shikoku International Center
	COOPERATION PERIOD	2004 ~ 2008
	REMARKS	Japanese intensive class(approx. 3 month at OISCA Shikoku training center)

<b>Empowerment of Rural Women II</b> <b>農村女性能力向上II(年2回実施1回目)</b>		 Multi-participants	 Multi-year	J0600889
Gender and Development—Gender and Development Agricultural/Rural Development—Rural Development 10 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>The objective of this course is to develop effective extension activities through the exchange of participants and experience in Japan, for rural women's groups for the approval of the respective organizations of the participants.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1) To identify the actual status and needs of targeted rural women's groups and analyze organizational capacities</li> <li>2) To understand necessary extension methodologies for rural women's groups to strengthen their organizations, develop their capacities and empower them</li> <li>3) To understand planning, implementation, monitoring and evaluation methods based on gender perspectives for the activities of rural women's groups</li> <li>4) To understand the concepts and methods, entrepreneurial activities for rural women's groups</li> <li>5) To prepare action plans to develop the capacities of rural women's groups in the home country</li> </ol>		<p>[Target Organizations] Those handling extension activities for rural women's groups such as central/local government and NGOs</p> <p>[Target Group] Those in charge of training staff engaged in extension activities (agriculture, food processing, community development, etc.) for rural women's groups, and university graduate, or have an equivalent educational background.</p>		
CONTENTS		PROGRAM PERIOD	May.22.2006 ~ Aug.5.2006	
<ol style="list-style-type: none"> <li>1) Preparatory program               <ol style="list-style-type: none"> <li>(0) Capacity assessment of rural women's groups and organizations of participants</li> </ol> </li> <li>2) Program in Japan               <ol style="list-style-type: none"> <li>(1) Group activities, extension methodologies, capacity development</li> <li>(2) Gender analysis, project cycle management (PCM)</li> <li>(3) Mottainai marketing, one village one product, road station (Michi no Eki)</li> <li>(4) Creation of project proposal</li> <li>(5) Preparation of thematic materials and job improvement plans</li> </ol> </li> <li>3) Post-program               <ol style="list-style-type: none"> <li>(6) Presentation and approval of training products to the respective organizations, monitoring report-making</li> </ol> </li> </ol>		IMPLEMENTING PARTNER	Rural Women Empowerment and Life Improvement Association	
		JICA CENTER	Tsukuba International Center	
		COOPERATION PERIOD	2004~2008	
		REMARKS	Participants who will carry out outstanding activities utilizing knowledge and experience acquired in Japan may be supported by JICA's follow-up cooperation.	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.



OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The objective of this course is to develop effective extension activities through the exchange of participants and experience in Japan, for rural women's groups for the approval of the respective organizations of the participants.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1) To identify the actual status and needs of targeted rural women's groups and analyze organizational capacities</li> <li>2) To understand necessary extension methodologies for rural women's groups to strengthen their organizations, develop their capacities and empower them</li> <li>3) To understand planning, implementation, monitoring and evaluation methods based on gender perspectives for the activities of rural women's groups</li> <li>4) To understand the concepts and methods, entrepreneurial activities for rural women's groups</li> <li>5) To prepare action plans to develop the capacities of rural women's groups in the home country</li> </ol>	<p>[Target Organizations] Those handling extension activities for rural women's groups such as central/local government and NGOs</p> <p>[Target Group] Those in charge of training staff engaged in extension activities (agriculture, food processing, community development, etc.) for rural women's groups, and university graduate, or have an equivalent educational background.</p>	
CONTENTS	PROGRAM PERIOD	Aug.28.2006 ~ Nov.11.2006
<ol style="list-style-type: none"> <li>1) Preparatory program                             <ol style="list-style-type: none"> <li>(0) Capacity assessment of rural women's groups and organizations of participants</li> </ol> </li> <li>2) Program in Japan                             <ol style="list-style-type: none"> <li>(1) Group activities, extension methodologies, capacity development</li> <li>(2) Gender analysis, project cycle management (PCM)</li> <li>(3) Mottainai marketing, one village one product, road station (Michi no Eki)</li> <li>(4) Creation of project proposal</li> <li>(5) Preparation of thematic materials and job improvement plans</li> </ol> </li> <li>3) Post-program                             <ol style="list-style-type: none"> <li>(6) Presentation and approval of training products to the respective organizations, monitoring report-making</li> </ol> </li> </ol>	IMPLEMENTING PARTNER	Rural Women Empowerment and Life Improvement Association
	JICA CENTER	Tsukuba International Center
	COOPERATION PERIOD	2004~2008
	REMARKS	Participants who will carry out outstanding activities utilizing knowledge and experience acquired in Japan may be supported by JICA's follow-up cooperation.

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.





Target Countries : Asia



Gender and Development—Gender and Development  
8 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The objective of this program is to enhance the capacity of the organizations that promote women's entrepreneurship development. To achieve the objective, participants are expected to produce following outputs;</p> <p>(1) have a clear understanding about the significance of women's economic empowerment and be able to extract the issues which they need to address in women's entrepreneurship development of their own countries.</p> <p>(2) be able to organize systematically support systems which can be applied to women's entrepreneurship development in their countries.</p> <p>(3) be able to elaborate on the ideas in relation to the support system identified in Output(2) for the success of women's income generating activities.</p> <p>(4) be able to design women's entrepreneurship development project for their own countries.</p>	<p>(1) More than 3 years of experience in organizing program(s) for women's economic empowerment. (2) either be a section chief/acting section chief of a governmental organization or an NGO with nomination by their governmental organization, (3) Be in good health, both physically and mentally, to undergo the program,</p>	
CONTENTS	PROGRAM PERIOD	Feb.6.2007 ~ Mar.11.2007
<p>Preparatory phase: Inception Report describing the following points;(1)Outline of participant's organization, (2)Women's Economic Empowerment in participant's country (Objectives, Issues, the respective roles of stakeholders),(3)Case Study, and (4)Needs Assessment.</p> <p>Program in Japan: The program consists of the four modules which include lectures, discussions, workshop, exercise, and study tours. Module I. Women's Economic Empowerment through Entrepreneurship Development Module II. Support Systems for Women's Entrepreneurship Development Module III. Ideas on Support Systems for the Success of Women's Income Generating Activities Module IV. Comprehensive Management Method for Women's Entrepreneurship Development</p> <p>(*)At the end of the program in Japan, participants are expected to formulate Action Plan which shows future actions taken by them in order to solve their problems.</p> <p>Post-program activities: After participations' return, (1)The actions described in the Action Plan is revised, authorized and implemented. (2)The result of the actions taken by the organization and the Program participant is reported as the Final Report at the time of 2 months after return. (3)As well as the Final Report, if necessary, participants can submit the proposal of mini-project for promoting women's economic empowerment.</p>	IMPLEMENTING PARTNER	Not Fixed
	JICA CENTER	Tokyo International Center
	COOPERATION PERIOD	2005~2009
	REMARKS	<p>1. The curriculum is organized by means of JICA-Net Program Contents "Women Economic Empowerment." 2. JICA will conduct monitoring on the activities taken by participants, using a TV conference through JICA-Net. 3. JICA will examine the relevance of the post-training activities, based on the final report and TV conference.</p>

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Gender Mainstreaming in Fishing Community Development 漁村開発におけるジェンダー主流化		 Multi-participants  Multi-year         J0600976	
		Gender and Development—Gender and Development 7 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
(1) To increase the understanding on the concepts of gender,WID,GAD, partnership between men and women and awareness of gender-responsive project. (2) To acquire the skill and methodology on Gender analysis. (3) To acquire skills and knowledge that help capacity building for men and women in fishing community, collective empowerment, and improvement of their life and status in the society. (4) To enhance comprehensive knowledge on gender support project and prepare appropriate action plan.	(1) central/local government staff,community leader and NGO staff engaging in fishing community development with more than 3 years' experience (2) have basic knowledge on WID/ GAD, (3) be university graduates or possess equivalent qualifications and, (4) be under 46 years of age		
CONTENTS	PROGRAM PERIOD	Jan.21.2007 ~ Mar.7.2007	
(1) Outline of WID/GAD (2) Gender Analysis (3) Fishing Community Survey (4) Case Study (5) Human Resource Development (6) Support system for fishing community development (7) Report formulation and presentation	IMPLEMENTING PARTNER	YOKOHAMA INTERNATIONAL CENTER,JICA	
	JICA CENTER	Yokohama International Center	
	COOPERATION PERIOD	2005 ~ 2009	
	REMARKS	The Nominees are requested to submit country report together with nomination form.	



Seminar on the Promotion of Education for Girls and Women II 女性の教育推進セミナー II		 Multi-participants  Multi-year         J0603509	
		Gender and Development—Gender and Development Education—Other Education Issues 12 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
Through this program, participants are expected: 1. to become familiar with administration and financial system of education in Japan and their historical development; 2. to upgrade their knowledge and capabilities in forming policy measures for promotion of education for girls and women, and to work out a concrete action plan for their own countries; 3. to exchange information among participants, about current situation and problems on educational systems and policy in their own countries; 4. to have better understanding of Japan and the Japanese society, culture and people.	(1)Government officer of Ministry of Education, Educatinal Committee, or similar institutions, who is in charge of development and promotion of girls' and women's education. (2)University graduate. (3)Under years old 45. (3)More than 5years of occupational experience		
CONTENTS	PROGRAM PERIOD	Jan.28.2007 ~ Feb.25.2007	
(1) LECTURE Japanese education system & education administration, Health education, Gender equality education, JICA Projects & measures to incorporate Gender, Introduction on National Women's Education Center, Women & Health, Violence against Women, NGO Network for education, etc.  (2) PRESENTATION AND DISCUSSION Gender education, Girl's education & Economic development, Country report presentation, Action plan, etc.  (3) VISIT Ministry of Education, Culture, Sports, Science Technology, Primary & Secondary School, Lifelong education Center, University, Local government, etc.	IMPLEMENTING PARTNER	NATIONAL WOMEN'S EDUCATION CENTRE	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2001 ~ 2005	
	REMARKS		













Urban Development(Land Readjustment) 都市整備		 Multi-participants	 Multi-year	J0600325
Target Countries : Countries with cities of population 500,000 or more		Urban/Regional Development—Urban Development 16 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The participants will be expected to achieve following results to acquire Land Readjustment method for advance of providing housing lots with sufficient urban infrastructure.</p> <p>&lt;Policy Group&gt;            (1)To learn advantages and disadvantages of Japanese urban development techniques, and consider their applicability to their own countries,            (2)To propose a new approach or an improvement plan of current methods for urban development in their home countries, and            (3)To finalize and submit the above-mentioned proposal through deliberation in the organization they belong to. (after return home)</p> <p>&lt; Implementation Group&gt;            (1)To acquire land readjustment techniques such as project formulation, land appraisal and replotting design,            (2)To propose a land readjustment project assuming for a particular city of their own countries, and            (3)To finalize and submit the above-mentioned proposal through deliberation in the organization they belong to. (after return home)</p>	<p>(1) Currently engaged in formulating urban development policy and legislation concerned,            (2) Have university degree or equivalent, with at least 3-5 years of professional experiences in urban development and/or urban planning.            (3)In principle 2 participants (one each for the Policy Group and for the Implementation Group) will be accepted from each country.</p>			
CONTENTS	PROGRAM PERIOD	May.9.2006 ~ Jul.1.2006		
<p>Preparatory phase: Choose the issue that the organization to which the participant is attached has responsibility and be expected to find the solution for that problem. And elaborate an Country Report to secure the situation around the problems. (The organization need to recognize the contents of the report.)</p> <p>Program in Japan The program is consisted by following module.            (1) Overview of Japanese city planning system and Land Readjustment            (2) Core Information of Land Readjustment system            (3) Related Information of Land Readjustment system            (4) LR Project site visit to Hiroshima and Osaka            (5) Practice            (6) Interim Report Writing            In the part of (5) Practice, participants will be split into two groups, "Policy Group" and "Implementation Group"            Propose the solution for the problem addressed by inception report as a interim report. An advisor will advise.</p> <p>Post-program activities Present the interim report to the organization or the boss, and the organization responds about the proposal to the participant. The participant elaborates the final report in addition to the opinion about the action of the organization for the proposal. And submit it to JICA Tokyo.</p>	IMPLEMENTING PARTNER	CITY AND REGIONAL DEVELOPMENT BUREAU, MLIT		
	JICA CENTER	Tokyo International Center		
	COOPERATION PERIOD	2006~2010		
	REMARKS	Remarkable proposal has possibility to be supported by JICA's follow-up cooperation		

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.


It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.


<b>Construction Equipment and Mechanized Construction Management</b> <b>建設機械及び建設施工監理</b>		 Multi-participants	 Multi-year	J0600708
		Urban/Regional Development—Urban Development 9 participants / ENGLISH		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>This program is designed with the aim of developing human resources for the supervision and control of the road, bridge and tunnel construction project mainly managed by construction machineries.</p> <p>Participants are expected to:</p> <p>(1)acquire comprehensive knowledge and techniques about construction systems with mechanization,including environmental protection and construction management, and</p> <p>(2)be able to control and supervise construction works with mechanization, efficiently by utilizing the above-mentioned knowledge and techniques.</p>	<p>(1) University/college graduate in civil engineering or equivalent</p> <p>(2) Senior administrative civil engineers in central or regional government actually supervising construction project of road, bridge and tunnel.</p> <p>(3) Under 40 years old</p> <p>(4) More than five years experience in civil engineering works</p> <p>(5)Have an adequate experience in using computers</p>			
CONTENTS	PROGRAM PERIOD	Aug.8.2006 ~ Nov.3.2006		
<p>This program consists of lectures and observations. The main themes are:</p> <p>(1) general information on public works in Japan and overseas construction</p> <p>(2) fundamental studies</p> <p>(a) geotechnical engineering, concrete, asphalt, steel and new materials, introduction of construction machinery, etc.</p> <p>(3) execution planning and management</p> <p>(a) work planning, process planning, introduction to construction management, machinery control, safety control, counter measures for environmental protection, cost estimation, geotechnical analysis, etc.</p> <p>(4) construction techniques</p> <p>(a) earthwork, concrete work, shield work, paving work, improvement work, foundation work, tunnel construction, bridge construction (steel and concrete), road maintenance, dam construction, Sabo etc.</p>	IMPLEMENTING PARTNER	JAPAN CONSTRUCTION MECHANIZATION ASSOCIATION		
	JICA CENTER	Yokohama International Center		
	COOPERATION PERIOD	2006 ~ 2010		
	REMARKS			


<b>Building Codes and Control Systems (Building Safety and Social/Environmental Consideration)</b> <b>建築基準と規制システム(建築物の安全性と環境社会配慮)</b> Target Countries : Countries with cities of population 500,000 or more		 Multi-participants	 Multi-year	J0600711
		Urban/Regional Development—Urban Development 12 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The objective is to formulate improvement plan of building codes and/or control systems of governments or related governmental organizations responsible for establishment of building standards or improvement and application of regulatory systems.</p> <p>The program emphasizes the following topics:</p> <ol style="list-style-type: none"> <li>(1) Structural Safety</li> <li>(2) Fire Prevention and Evacuation Safety</li> <li>(3) Energy Conservation</li> <li>(4) Barrier-free Buildings</li> </ol> <p>To achieve the objective, participants' outputs are as follows:</p> <ul style="list-style-type: none"> <li>- clarify the relations between the background of the establishment of the building standards, the regulatory systems and social and natural conditions</li> <li>- clarify the building standards, the regulatory systems effective for securing structural safety of buildings, and points to remember for their applications</li> <li>- clarify the building standards, the regulatory systems effective for securing fire prevention and evacuation safety (prevention of outbreak and spread of fire, securing safety in evacuation) of buildings, and points to remember for their applications,</li> <li>- clarify energy saving concept of buildings and points for its promotion</li> <li>- clarify countermeasures and points for implementation regarding the barrier-free concepts of buildings,</li> <li>- identify the problems relating to implementation of the building standards and the regulatory systems of their home countries and to formulate the plans to solve or improve them</li> </ul>	<p>[Target Organizations:] Governments or Governmental Organizations responsible for establishment of building standards or improvement and application of regulatory systems</p> <p>[Target Groups:] Officials (more than 5 years of experience, under 50 years old)</p>			
CONTENTS	PROGRAM PERIOD	May.9.2006 ~ Jun.24.2006		
<p>Preparatory Phase in home country: Inception Report including current situations and issues of building standards/regulatory systems</p> <p>Program in Japan: (Modules)</p> <ol style="list-style-type: none"> <li>1.Elements of building codes and control systems and their relations to natural and social environments(lectures,observations and a home stay program)</li> <li>2.Structural Safety (lectures and observations)</li> <li>3.Fire Prevention and Evacuation Safety (Lectures,Cases study and observations)</li> <li>4.Energy Conservation (lectures and observation)</li> <li>5.Barrier-free buildings (lectures and workshop)</li> <li>6.Technology for above mentioned purposes (lectures and observation)</li> <li>7.Formulation of improvement plan of building codes and/or control systems (discussion, individual guidance and presentation)</li> </ol> <p>Final Phase: After the program in Japan, the Final Report is formulated and submitted within three months.</p>	IMPLEMENTING PARTNER	HOUSING BUREAU, MLIT		
	JICA CENTER	Tokyo International Center		
	COOPERATION PERIOD	2006~2010		
	REMARKS	<p>The program target is building construction. Civil Engineering Works such as road construction and river conservation works are NOT included.</p> <p>Building Standard Law of Japan consists of three parts,(1)general provision (2)building codes (3)zoning codes,The program mainly focuses on building codes.</p> <p>The follow-up programs such as indivisual guidance through JICA-Net or the dispatch of Japanese expart, may be considered to be implemented if it is necessary and effective to arrange it in order to realize the improvement plan in final Report.</p>		



It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

<b>Executives' Seminar on Public Works and Management</b> <b>国土技術マネジメント幹部セミナー</b>			<b>Multi-participants</b>	<b>J0600768</b>
Target Countries: Asia		Urban/Regional Development—Urban Development 10 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
Participants are expected to achieve the following: 1) To recognize the history, present situation, and policies of public works in Japan 2) To develop a higher ability to perform appropriate planning and management of public works through participating in a symposium/discussionsum 3) To acquire knowledge on the management of research and development on public works	[Target Organization] National research institutes in the field of infrastructure management, or public works department of central government organs  [Target Group] Head or equivalent of the above institute, or director or equivalent of the above department with at least a bachelor's degree or equivalent in civil engineering			
CONTENTS	PROGRAM PERIOD	Nov.5.2006 ~ Nov.18.2006		
1) Preparatory phase: Making a country report on situations, related researches and policies in participating countries regarding the annual common subject 2) Program in Japan: Participate in a symposium and discussions as a panelist regarding the annual common subject 3) Lectures and discussions: Situations and policies, lessons, and problem-solving methodologies in Japan and participating countries 4) Study tours: Outlines and situations of the facilities regarding the annual common subject	IMPLEMENTING PARTNER	National Inst.for Land & Infrastructure Management		
	JICA CENTER	Tsukuba International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS			

<b>Environmental Conservation Measure in Construction Project</b> <b>建設事業における環境保全対策</b>			<b>Multi-participants</b>	<b>J0600798</b>
		Urban/Regional Development—Urban Development Transportation—Capacity Development for Transport Sector 8 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
This program is offered to contribute to harmonization of development and environmental preservation in participating countries by training civil engineers focusing on learning and utilizing following 5 points: 1. environmental protection measures and philosophies required, 2. preventive measures against regional environmental deterioration, 3. environmental impact assesment methods, 4. recycling of construction waste, 5. harmonizing people's living standard and environment related to construction project	(1) University graduate in civil engineering or equivalent (2) 5 or more years of experience in infrastructure development administration(road, rivers, ports, dams, etc.) (3) Under 40 years old			
CONTENTS	PROGRAM PERIOD	Aug.28.2006 ~ Nov.11.2006		
This program consists of lectures, observations, group studies, and study tours as follows: (1) regional plans (2) environmental plans (3) environmental assessment (4) environmental protections (5) environmental preservation measures (6) assessment of effects on environment * Under the word 'Environment', this program deals with water quality, noise, vibration, air quality, animals and vegetation *Participants are required to make and present action plans at the end of the program.	IMPLEMENTING PARTNER	Japan Construction Training Center Foundation		
	JICA CENTER	Osaka International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS			



Urban Greenery and Park Administration II 都市緑化行政 II		 Multi-participants	J0600801
		Urban/Regional Development—Urban Development 6 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>The overall aim of the program is to upgrade the technical abilities of the leading governmental administrators and thus enabling them to contribute to the improvement of the living environment in developing countries.</p> <p>Through the training program, participants are expected to:</p> <ol style="list-style-type: none"> <li>1) acquire knowledge of the functions of urban greenery and policies to promote urban greenery,</li> <li>2) acquire knowledge of techniques, planning, design, construction and maintenance of urban greenery,</li> <li>3) acquire knowledge of systems for preserving green spaces.</li> <li>4) make an Action Plan, using the acquired knowledge.</li> </ol>	<ol style="list-style-type: none"> <li>(1) Supervisory administrators responsible for over-all urban greenery and park development</li> <li>(2) Practical experience of at least five years</li> <li>(3) Under 40 years old</li> </ol>		
CONTENTS	PROGRAM PERIOD	Aug.21.2006 ~ Oct.28.2006	
<p>In this program, the emphasis is put on introduction of Japanese experience and theories of greenery in city-planning and park administrations.</p> <p>The main themes are</p> <ol style="list-style-type: none"> <li>(1) policies of urban greenery and maintenance</li> <li>(2) Japanese traditional techniques of gardening</li> <li>(3) maintenance of parks and recreation facilities</li> <li>(4) practical training of planning and design of a park</li> <li>(5) discussions</li> <li>(6) Action Plan making</li> </ol>	IMPLEMENTING PARTNER	OSAKA CITY GOVERNMENT	
	JICA CENTER	Osaka International Center	
	COOPERATION PERIOD	2003 ~ 2007	
	REMARKS		

Comprehensive City Planning 都市計画総合		 Multi-participants  Multi-year         J0600947	
Target Countries : Countries with cities of population 500,000 or more		Urban/Regional Development—Urban Development 10 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>The participants will be expected to achieve following results to advance the city planning and urban development for the country situation.</p> <p>(1)Secure the problem and choose the issue.            (2)Verify the issue above from various sides through the Japanese/other country experiences.            (3)Elaborate the proposal for the issue above, and propose to the organization attached.</p>	<p>(1) Have university degree or equivalent, with at least 3 years of professional experiences in urban development and/or urban planning,            (2) Central/local government officials responsible for the formulation of urban development policies or those responsible for the implementation of urban planning, in a city with a population of 500,000 or more.</p>		
CONTENTS	PROGRAM PERIOD	Aug.29.2006 ~ Oct.25.2006	
<p>Preparatory phase:            Choose the issue that the organization to which the participant is attached has responsibility and be expected to find the solution for that problem. And elaborate an Inception Report to secure the situation around the problems. (The organization need to recognize the contents of the report.)</p> <p>Program in Japan            The participants comprehend the present condition and problems of the City planning and/or urban development mentioned in the Inception Report through the lecture and site study tour. And elaborate the measures and the way for implementation as an Interim Report.            In the group discussion, participants will discuss about some issues mentioned at inception reports, Lectures and site study tour.            Advisors will advise each participant to elaborate the Interim Report.</p> <p>Post-program activities            Present the interim report to the organization or the superior, and the organization responds about the proposal to the participant.            The participant elaborates the final report in addition to the opinion about the action of the organization for the proposal. And submit it to JICA Tokyo.</p>	IMPLEMENTING PARTNER	CITY AND REGIONAL DEVELOPMENT BUREAU, MLIT	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2005~2009	
	REMARKS	Remarkable proposal has possibility to be implemented through "soft-type follow-up cooperation" selectively.	

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.



It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.







Improvement of Housing and Living Environments 住宅・住環境改善		 Multi-participants	 Multi-year	J0600950
		Urban/Regional Development—Urban Development 13 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The program objective is to formulate improvement plan of policies or measures regarding housing or living environment at Central/Local governments or related governmental organizations responsible for providing services to improve housing conditions in developing countries. The program composed of lectures, observations and discussions. The contents are as follows: 1. Increasing in quantity of housing 2. Increasing in quality of housing 3. Improvement of living environment 4. Issues identification and planning improvement. The program can provide various kinds of experience and knowledge of Japan after the World War II for participating countries in any stage of housing development.</p>	<p>[Target Organizations:] Central/Local governments or related organizations responsible for policy planning or implementation to improve housing conditions (except construction work)</p> <p>[Target Group:] (1) Officers who belong to target organizations and are expected to play a leading role in the field (2) University graduates or equivalent (3) Age: 30-50 years old</p>			
CONTENTS	PROGRAM PERIOD	Oct.22.2006 ~ Dec.2.2006		
<p>Preparatory Phase in home country: Inception Report including present policies/measures and the issues is formulated Program in Japan: The program is composed of lectures, observations and discussions. (Modules) 1. Increasing in quantity of housing Public housing, Housing finance, Housing for reconstruction, Human Security, Case Study: JICA technical cooperation 2. Increasing in quality of housing Housing quality assurance, Housing performance identification, Research and Development 3. Improvement of living environment Land readjustment, Town planning with people's participation, Harmonization between housing improvement and historical townscape, Case Study: NGO's activity, Homestay program at Chiba New Town 4. Issues identification and planning for improvement International cooperation in housing sector, UN-HABITAT's activities, Report preparation, individual guidance, presentation and discussions Final Phase: After the program in Japan, Final Report is formulated and submitted within three months.</p>	IMPLEMENTING PARTNER	HOUSING BUREAU, MLIT		
	JICA CENTER	Tokyo International Center		
	COOPERATION PERIOD	2005~2009		
	REMARKS	<p>- The follow-up programs, such as individual guidance through JICA-Net or the dispatch of Japanese expert, may be considered to be implemented if it is necessary and effective to arrange it in order to realize the improvement plan in Final Report.</p> <p>- Just after the end of the World War II, housing shortage is one of the main national issues in Japan. Housing policies and measures such as low rate housing loans and public housing providing had been taken by the government and achieved a success. After solving housing shortage, increasing in housing quality by building regulations and market inducement as well as improvement of living environment by zoning projects have been making progress. Therefore, through such experience of Japan, the program can provide various kinds of experience and knowledge to participating countries in any stage of housing development.</p>		



It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.


It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.


Seminar on Development and Application of Construction Engineering 建設技術の開発・応用セミナー		 Multi-participants  Multi-year         J0600979	
		Urban/Regional Development—Urban Development 9 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
The purpose of the seminar is to provide participants with the latest construction / maintenance engineering, inspection methods, environmental considerations and new materials so that participants would be able to contribute to improving the civil engineering in their respective countries.	(1) be mid carrier officials or researchers who are in charge of civil engineering (except building and house works) (2) be university graduates or equivalents majoring civil engineering or related programs (3) have between 8 and 18 years of occupational experience in construction work (4) be between 30 and 40 years of age		
CONTENTS	PROGRAM PERIOD	May.7.2006 ~ Jun.24.2006	
The following subjects will be covered in this seminar through lectures, observations, and discussions ; (1) Introduction to Present Japanese Engineering Conditions (2) Engineering Management Systems in These Days (3) Introduction to Advanced Technology (4) Introduction to Maintenance Technology (5) Environmental Considerations at Construction Sites	IMPLEMENTING PARTNER	Japan Construction Training Center	
	JICA CENTER	Yokohama International Center	
	COOPERATION PERIOD	2005 ~ 2009	
	REMARKS		

National and Regional Development Policy II 国土・地域開発政策 II		 Multi-participants  Multi-year         J0600980	
		Urban/Regional Development—Urban Development 10 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
(1) To acquire the knowledge of planning, policy formulation, and implementation of national land development and regional development projects in Japan (2) To obtain the practical knowledge and skills for the planning, implementation and know-how of appropriate national/ regional development policies in their country	(1) Currently engaged in the planning or implementation of national or regional development projects or policies with more than 2 years of occupational experience. (2) University graduates or the equivalents (3) Under 46 years of age.		
CONTENTS	PROGRAM PERIOD	Sep.12.2006 ~ Oct.28.2006	
(1) Theory of regional development (2) Development of national land infrastructure and environmental management (3) Industrial promotion (4) Case studies of regional development plans in developing countries (5) Observation and Case Study (6) Report formulation and presentation	IMPLEMENTING PARTNER	Ministry of Land, Infrastructure and Transport	
	JICA CENTER	Yokohama International Center	
	COOPERATION PERIOD	2005 ~ 2009	
	REMARKS		


Seminar on Public Works Administration in Regional Government III 地域土木行政セミナーⅢ		 Multi-participants  Multi-year         J0603512	
		Urban/Regional Development—Urban Development 6 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>The participants will propose improvement plans of public works administration in their governments. To reach the objective, participants are expected to achieve the following:</p> <p>(1) To reconfirm the framework and procedures of construction &amp; management of infrastructure through public works. (2) To understand the issues to consider when administering public works: The issues include environment preservation, city planning and disaster prevention.</p>	<p>(1) Civil engineers in charge of public works administration in central or local government who have at least 5 years of practical work experience (2) University graduate in civil engineering or equivalent academic qualification</p>		
CONTENTS	PROGRAM PERIOD	Sep.19.2006 ~ Nov.3.2006	
<p>Preparatory phase: Present job activities and issues concerning public works administration in the participating organizations are described in the Job Report. Curriculum in Japan: The curriculum is composed of the following subjects and is designed to give the participants a comprehensive picture of the roles of public works administration. Roads are taken up as main case study subjects. Lectures: - Community development in Japan - History of development in Hokkaido - Laws and budget re. infrastructure - Tender and contract system - Project implementation - Procedure of planning, construction and maintenance - Free access to information regarding. public works - Participatory approaches for consensus building Field visits: - Situation of infrastructure in Hokkaido - Maintenance and management of existing infrastructure - Construction techniques - Environment protection measures Practical exercises: - Action report writing and presentation</p>	IMPLEMENTING PARTNER	DEPARTMENT OF PUBLIC WORKS,HOKKAIDO GOVERNMENT	
	JICA CENTER	Sapporo International Center	
	COOPERATION PERIOD	2006 ~ 2010	
	REMARKS	The objective of this seminar is NOT skill training of road engineering, while roads will be taken up repeatedly during the seminar as lecture subjects and field visit destinations.	

Project Management and Evaluation for Civil Engineers in Public Works 公共事業の計画・管理・評価		 Multi-participants  Multi-year         J0603530	
		Urban/Regional Development—Urban Development 8 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>This program is offered to those who belong to the government or government affiliated organizations of developing countries to acquire the contemporary knowledge and techniques focusing on learning and utilizing following 5 points:</p> <p>1. project management system, 2. project evaluation methods, 3. obtaining the support and agreement of citizens, 4. environmental protection, 5. site management (quality, schedule, cost, and safety management)</p>	<p>(1) university graduates or those who have equivalent educational qualifications in the field of civil engineering, (2) civil engineers with at least five years' experience in planning infrastructure development (roads, railways, ports, water supply and sewage systems, dams, etc) (3) under 40 years of age</p>		
CONTENTS	PROGRAM PERIOD	Sep.12.2006 ~ Nov.18.2006	
<p>This program consists of common subjects for all participants and group studies. It covers very broad technical fields; roads, ports, water supply, sewage system, dams, and telecommunication in order for participants to obtain wide knowledge and technique to prepare comprehensive plans for the infrastructure. The main themes are:</p> <p>(1) introduction and social scheme of infrastructure development (2) regional/urban planning (3) highway, transport, telecommunication planning (4) river/port planning (5) case study (group discussion) on infrastructure development plans and action plan presentation</p>	IMPLEMENTING PARTNER	Japan Construction Training Center Foundation	
	JICA CENTER	Yokohama International Center	
	COOPERATION PERIOD	2006 ~ 2010	
	REMARKS		


Participatory Local Social Development: Theories and Practice 参加型地域社会開発の理論と実践			Multi-participants	J0600727
		Urban/Regional Development—Regional Development 12 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The participants will obtain comprehensive knowledge and skills of Participatory Local Social Development, and will be able to plan and manage social development projects from PLSD viewpoints and perspectives.</p> <p>Expected Results are:</p> <ol style="list-style-type: none"> <li>To gain a comprehensive knowledge of the Participatory Approach as an effective methodology for social preparation among target local people</li> <li>To acquire the basic framework for analyzing local people's capability and mechanisms of resource utilization and management in the context of a local community and social system</li> <li>To obtain comprehensive knowledge and skills of participatory local social development planning and management</li> <li>To develop the ability to revise their respective present projects through review and analysis from PLSD viewpoints and perspectives</li> </ol>	<p>[Target Organizations]</p> <ol style="list-style-type: none"> <li>Local government officers or NGO staffs who are working for rural development</li> <li>Academics and researchers dealing with development projects</li> </ol> <p>[Target Group]</p> <ol style="list-style-type: none"> <li>Planners, trainers, and practitioners especially poverty reduction related participatory projects</li> <li>University graduate, with at least 3 years of work experience</li> <li>Age: Under 45 years old</li> </ol>			
CONTENTS	PROGRAM PERIOD	Jan.29.2007 ~ Mar.19.2007		
<ol style="list-style-type: none"> <li>Conceptual framework and practical method for Participatory Local Social Development (PLSD)</li> <li>Sectoral Cases of PLSD projects in developing countries</li> <li>Introduction of participants' projects and of sectoral cases of PLSD policy framework and measures in Japan</li> <li>Field Trip to PLSD sites</li> <li>Exercises in PLSD village planning, monitoring and evaluation</li> <li>Improvement and alteration of participants' own projects</li> </ol>	IMPLEMENTING PARTNER	NIHON FUKUSHI UNIVERSITY		
	JICA CENTER	Chubu International Center		
	COOPERATION PERIOD	2002 ~ 2006		
	REMARKS	Submission of Application form and Project Report is necessary on applying the program.		

General Management for Regional Development and Planning 地域開発計画管理Ⅱ			Multi-participants	J0600764
		Urban/Regional Development—Regional Development 10 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The capabilities of administration necessary for appropriate planning of regional development will be improved through deepening understanding of the regional development framework and experience in Hokkaido.</p> <p>To reach the objective, participants are expected:</p> <ol style="list-style-type: none"> <li>To understand the Hokkaido comprehensive development led by the central government (① Basic objectives and administrative framework, ② Measures of promotion and management)</li> <li>To understand the regional development programs in Hokkaido (industrial promotion, environmental conservation, public works, etc.)</li> <li>To understand the roles of the central and local governments</li> <li>To evaluate the Hokkaido comprehensive development and consider its applicability in each country</li> </ol>	<ol style="list-style-type: none"> <li>Administrative officers engaged in planning or implementation of regional development</li> <li>At least 2 years of administration experience in the field of regional development</li> <li>University graduate or equivalent</li> </ol>			
CONTENTS	PROGRAM PERIOD	Sep.26.2006 ~ Nov.17.2006		
<p>Preparatory phase: A pre-training report including the outline of regional development, work experience, problems and obstacles is prepared.</p> <p>Curriculum in Japan: Lectures: Hokkaido comprehensive development system, administration system of central and local governments, industrial, housing, environmental policies, etc. Observation/Study tour: Agricultural cooperative, public infrastructure sites, etc. Presentation/Discussions: Comparison of the approach of regional development, Presentation of the study report</p>	IMPLEMENTING PARTNER	MLIT, HOKKAIDO REGIONAL DEVELOPMENT BUREAU		
	JICA CENTER	Sapporo International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS			

Participatory Local Social Development:Project Planning and Management II 参加型地域社会開発のプロジェクト計画・管理 II		Multi-participants	Multi-year	J0600984
		Urban/Regional Development—Regional Development 11 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>[Objective] The participants will obtain comprehensive knowledge and skills of Participatory Local Social Development, and will be able to plan and manage social development projects from PLSD viewpoints and perspectives.</p> <p>[Expected Results] 1. To gain a comprehensive knowledge of the Participatory Approach as an effective methodology for social preparation among target local people 2. To acquire the basic framework for analyzing local people's capability and mechanisms of resource utilization and management in the context of a local community and social system 3. To obtain comprehensive knowledge and skills of participatory local social development planning and management 4. To develop the ability to revise their respective present projects through review and analysis from PLSD viewpoints and perspectives</p>	<p>[Target Organizations] (1) Local government officers or NGO staffs who are working for rural development (2) Academics and researchers dealing with development projects</p> <p>[Target Group] (1) Planners, trainers, and practitioners especially poverty reduction related participatory projects (2) University graduate, with at least 3 years of work experience (3) Age: Under 45 years old</p>			
CONTENTS	PROGRAM PERIOD	Aug.7.2006 ~ Sep.12.2006		
1. Conceptual framework and practical method for Participatory Local Social Development (PLSD) 2. Sectoral Cases of PLSD projects in developing countries 3. Introduction of participants' projects and of sectoral cases of PLSD policy framework and measures in Japan 4. Field Trip to PLSD sites 5. Exercises in PLSD village planning, monitoring and evaluation 6. Improvement and alteration of participants' own projects	IMPLEMENTING PARTNER	NIHON FUKUSHI UNIVERSITY		
	JICA CENTER	Chubu International Center		
	COOPERATION PERIOD	2005 ~ 2009		
	REMARKS	We do not accept the application unless the Project Report (P/R) is submitted with the A2A3 form, because we examine both A2A3 and P/R closely when selecting participants.		

<b>Global Mapping : Contribution to Global Mapping Development by GIS</b> <b>地球地図作成技術:地球地図整備に貢献することを目指した地理情報システム</b>		 J0600874
Target Countries : Countries without Global Map data		Urban/Regional Development—Geographical Information 8 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The objective of this program is to promote the Global Mapping Project To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1) To understand the importance of the Global Map in policy decision-making</li> <li>2) To acquire the skills of remote sensing and GIS needed to develop the Global Map</li> <li>3) To acquire the procedures of developing Global Map data</li> <li>4) To understand the measures to promote the Global Mapping Project in the participant's country</li> <li>5) To finalize the final report based on a draft written in Japan, which includes actions to be taken to promote the Global Mapping Project</li> </ol>	<p>[Target Organizations] National mapping organizations</p> <p>[Target Group] - At least 3 years of experience in the field of GIS, digital mapping or remote sensing - Be working in or be going to work in the Global Mapping Project</p>	
CONTENTS	PROGRAM PERIOD	Aug.17.2006 ~ Nov.3.2006
<p>Preparatory phase: Participants will make a Job report which consists of the current status of the Global Mapping Project, difficulties in promoting it and possible measures to eliminate those difficulties.</p> <p>Program in Japan: The program in Japan consists of lectures, practical exercises, site visits, presentations and discussions, focusing on reconfirmation of the importance of the Global Mapping Project, and providing necessary skills to develop Global Map data. Lectures: Outline of the Global Map, global environmental problems, GIS, and digital data set format for the Global Map Practical exercises: Base map creation, digitization, raster-vector conversion, editing In parallel with these activities, participants will make a draft of the final report in which they clarify the problems hindering the Project, analyze them and suggest possible solutions to promote the Global Mapping Project.</p> <p>Development phase: - Participants will share the draft of the final report in their respective organizations and elaborate feasible action plans based on it. - Three months after returning to their country, participants will submit the final report which includes the progress of the elaborated action plans.</p>	<p><b>IMPLEMENTING PARTNER</b> GEOGRAPHICAL SURVEY INSTITUTE, MLIT</p> <p><b>JICA CENTER</b> Tsukuba International Center</p> <p><b>COOPERATION PERIOD</b> 2004~2008</p>	<p><b>REMARKS</b> - The Global Mapping Project aims to provide standardized digital geographic information covering the earth's surface, to help solve global environmental issues. The Global Map is being produced under international cooperation by national mapping organizations participating in the Global Mapping Project. It will cover all the earth's surface by the year 2007. The target of this program is those countries which have not yet participated in the Project or have recently participated in the Project but do not yet have enough skills to develop the necessary data. - For the year 2007, those countries which have already released their Global Map data will not be allowed to participate in this training program. - Related website: Geographical Survey Institute</p>

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

<b>Planning and Management of National Mapping and Surveying</b> <b>国家測量事業計画・管理</b>			Multi-year	J0600922
Urban/Regional Development—Geographical Information 8 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>The objective of this program is to develop leading technical managers who envision effective and efficient management approaches of national surveying and mapping projects according to the diversification of customers' needs and development of society.</p> <p>Outputs:            To reach the objective, participants are expected to achieve the following:            1) To understand the legal and management framework of surveying and mapping implemented by NMOs            2) To update knowledge and skills of contemporary technologies such as GPS, GIS, and remote sensing            3) To make a draft of action programs based on the participant's country's and institutional background            4) To make a draft of a project proposal which could contribute to solving problems of the participant's institution</p>		<p>[Target Organizations]            National Surveying and Mapping Organizations (NMO)</p> <p>[Target Group]            Technical officials at managerial level (head or deputy head of a division) for at least 7 years</p>		
CONTENTS		PROGRAM PERIOD	Nov.9.2006 ~ Aug.11.2007	
<p>Preparatory Phase: Participants will make a Job Report in order to identify and realize the problems of their respective NMOs.            Program in Japan: The program will be given in the form of lectures, workshops, and practical exercises, and include the following subjects:            - Planning of national mapping and surveying (legal framework, planning and managing of projects, survey education, information sharing, etc.)            - Application of contemporary technologies (GPS, GIS, digital photogrammetry, remote sensing, etc.)            - International trends of geographic information            - Workshops and discussions (participants will analyze their own problems through workshops, and make project proposals)</p>		IMPLEMENTING PARTNER	GEOGRAPHICAL SURVEY INSTITUTE, MLIT	
		JICA CENTER	Tsukuba International Center	
		COOPERATION PERIOD	2005 ~ 2009	
		REMARKS	GSI: <a href="http://www.gsi.go.jp/ENGLISH/">http://www.gsi.go.jp/ENGLISH/</a> (The contents of the program are subject to change.)	










<b>Chemical Management Policy</b> <b>化学物質管理政策研修</b>		Multi-participants		Multi-year		J0600026	
Environmental Management—Environmental Administration 10 participants / English							
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>The sound management of chemicals has been recognized as one of the global agenda since Rio summit in 1992 and that was reaffirmed in World Summit on Sustainable Development (WSSD) plan of implementation in 2002. To achieve the WSSD's goal, that is to minimize significant adverse effect on human health and environment by 2020, the Strategic Approach on International Chemical Management (SAICM) was adopted in February 2006, in which the improvement of Capacity-building in developing countries is one of the objectives.</p> <p>The goals and objectives of this training program are fostering of policy-makers responsible for designing chemical management system. Specifically, this training program is intended to encourage participants to discuss and propose improvement plans developed at the end of the training program, and to apply such improvement plans to operations in their organizations if appropriate.</p>				<p>Executive officers who have been engaging in planning and enforcement of chemical management systems in the central government and have not less than 5 years of experience, 45 years old or younger, University graduates or equivalent quantification in this field.</p> <p>This program is developed for government officials who are engaged in policy development and implementation. Thus this program may not be suitable for researchers.</p>			
CONTENTS				PROGRAM PERIOD	Jul.2.2006 ~ Jul.15.2006		
Basic Concept of Chemical Management Policies in Japan International Trends in Chemical Management Japanese Chemical Management System Globally Harmonized System of Classification and Labeling of Chemicals Factory tours Development of Information Infrastructures for Chemical Management Action Plan				IMPLEMENTING PARTNER	NATIONAL INST. OF TECHNOLOGY & EVALUATION		
				JICA CENTER	Tokyo International Center		
				COOPERATION PERIOD	2005 ~ 2009		
				REMARKS	Since SAICM encourages regional cooperation, participation from Asia-Pacific Region would be recommended.		

<b>Regional Measures and Methods for Pollution Control for Environmental Engineers</b> <b>地域環境保全対策と技術</b>		Multi-participants		Multi-year		J0600917	
Environmental Management—Environmental Administration 5 participants / English							
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>Participants will propose plans to better reflect the data and information obtained by the research section onto the pollution control policy and administration in their countries.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1) To gain practical ideas on an effective process of pollution control policy and measures (environmental policy, legal and administration systems, roles of research and administration sections and cooperation between them, the steps from survey, analyses to administrative measures)</li> <li>2) To gain a concrete understanding of water preservation, water pollutant sources, sewage treatment methods, and related survey and analysis techniques</li> <li>3) To gain a concrete understanding of air preservation, air pollutant sources, exhaust systems, and related survey and analysis techniques</li> <li>4) To gain a concrete understanding of waste treatment and waste recycling</li> <li>5) To make an action plan to strengthen the cooperation and interactions between research organizations and policy and administration sections, and to better reflect the data and information obtained from research onto the environmental policy and administration</li> </ol>				<p>(1) Technical officials and researchers responsible for pollution control at government environment research institutes, and technical officials in charge of pollution control policy and administration (NOTE: This program is NOT for officers/researchers in charge of natural conservation.)</p> <p>(2) University graduate in environmental engineering or chemistry (NOT biology)</p>			
CONTENTS				PROGRAM PERIOD	Sep.26.2006 ~ Nov.25.2006		
<p>The curriculum covers the following subjects from theoretical and practical viewpoints.</p> <p>(1) Lectures:</p> <ol style="list-style-type: none"> <li>(a) Environmental administration in Japan and Hokkaido</li> <li>(b) Techniques for preventing water pollution</li> <li>(c) Techniques for preventing air pollution</li> <li>(d) Waste and recycling</li> <li>(e) Environmental education</li> </ol> <p>(2) Practical exercises:</p> <ol style="list-style-type: none"> <li>(a) Techniques of environmental monitoring</li> <li>(b) Environmental standard</li> </ol> <p>(3) Observation:</p> <ol style="list-style-type: none"> <li>(a) Organizations and facilities related to pollution control</li> <li>(b) Factories (possible sources of pollution)</li> </ol>				IMPLEMENTING PARTNER	HOKKAIDO ENV. SCIENCE RESEARCH CENTER		
				JICA CENTER	Sapporo International Center		
				COOPERATION PERIOD	2005 ~ 2009		
				REMARKS			

<b>Environmental Improvement on Automobile: Technology and Policy</b> <b>自動車に係わる環境問題改善: 技術と施策</b>		 Multi-participants	 Multi-year	J0600921
		Environmental Management—Environmental Administration Transportation—Urban Transportation 12 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>By sharing the outputs of this training course among organizations, knowledge for making environmental improvement policies will be used more widely.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1) To identify the environmental problems caused by automobiles in their country through collecting their own data related with environmental issues</li> <li>2) To acquire the skills of predicting the effects of introducing the regulations* and institutionalizing the countermeasures (e.g. control of exhaust gases)</li> <li>3) To be able to explain the current international situation in the field of automobiles, through understanding the international standards related to automobiles</li> <li>4) To be able to explain the relationship between making regulations and developing technologies to deal with the issues</li> <li>5) Making an action plan (proposal) to be implemented in their country after returning home</li> </ol>	<p>[Target Organizations] National or local organizations in charge of environmental issues concerning automobiles</p> <p>[Target Group] Administrative or technical officials of the above organizations with at least 5 years of experience</p>			
CONTENTS	PROGRAM PERIOD	Jun.15.2006 ~ Aug.5.2006		
<p>Preparatory phase: Create a job report describing present job activities, issues at your organization, etc.</p> <p>Program in Japan:</p> <ol style="list-style-type: none"> <li>1. Lectures and exercise</li> <li>1) Outline of the automotive industry</li> <li>2) Governmental policy for the automotive industry in Japan</li> <li>3) Environmental problems caused by automobiles</li> <li>4) Environmental improvement measures and policies</li> <li>5) Exhaust emission standards and regulations</li> <li>6) Technology for reducing exhaust emissions</li> <li>7) Fuels for automobiles</li> <li>8) Trend of clean energy vehicle development</li> <li>9) Traffic flows</li> <li>10) Automotive recycling technology for automobiles</li> <li>11) Vehicle registration and inspection system</li> <li>12) International harmonization of automotive standards</li> <li>13) Atmospheric observation system</li> </ol> <p>2. Presentation of Job report and action plan</p> <p>3. Project cycle management</p> <p>4. Exercise for environmental improvement in each country</p> <p>Post-program activities: After participants' return</p> <ol style="list-style-type: none"> <li>(1) The action plan should be shared among their organization.</li> <li>(2) The results of discussions about the action plan are to be reported to JICA/JARI.</li> </ol>	IMPLEMENTING PARTNER	JAPAN AUTOMOBILE RESEARCH INSTITUTE		
	JICA CENTER	Tsukuba International Center		
	COOPERATION PERIOD	2005~2009		
	REMARKS	<a href="http://www.jari.or.jp/en/index.html">http://www.jari.or.jp/en/index.html</a> 1		

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.





OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>In developing countries, countermeasures to industrial pollution and urban-life pollution from the viewpoint of prevention of global warming are to be promoted. The introduction of appropriate technology for sustainable development is also required.</p> <p>The technical training programme is conducted based on concept of Environmental Management System.</p> <p>After completing this programme, participants will get points for getting international license for environmental audit personnel.</p>	<p>(1) Middle-ranking officials in charge of project planning in the field of environment (2) Have more than 10 years' experience (3) Between 35 and 45 years old (4) University graduates</p>	
CONTENTS	PROGRAM PERIOD	May.15.2006 ~ Jul.8.2006
<p>In this program, the following major subjects will be covered through lectures, discussions and observation trips:</p> <p>(1) countermeasure to environmental problem and its history (2) environmental law system in Japan (3) establishment of environmental standard and discharge standard (4) monitoring of generation sources (5) establishment of environmental management plan and regional pollution prevention plan (6) environmental assessment (7) sustainable development (8) preservation of global environment</p>	IMPLEMENTING PARTNER	GLOBAL ENVIRONMENT CENTRE FOUNDATION
	JICA CENTER	Osaka International Center
	COOPERATION PERIOD	2005 ~ 2009
	REMARKS	By 6 days programme, participant will get 50 % points to get the international authorized environmental audit personnel including UNEP personnel.







OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Participants will propose realistic measures against urban environmental problems in their cities. To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>(1) To deepen understanding of methods and frameworks of urban environmental preservation for public health and safety through studying cases in Sapporo</li> <li>(2) To analyze concrete measures and projects (especially, good practices and controversial cases) which have been implemented by municipalities in urban areas</li> <li>(3) To understand the methods and processes to reflect monitoring results on environmental policies and measures</li> <li>(4) To make practical action plans for measures against urban environmental problems in participating municipalities</li> </ol>	<p>[Target Organizations] Municipalities in metropolitan areas</p> <p>[Target Group] (1) Managers and feeder group officers who take charge of environmental administration at municipalities which face urban environmental problems (2) Have at least 3 years of practical work experience</p>	
CONTENTS	PROGRAM PERIOD	Jan.1.2007 ~ Mar.1.2007
<p>This course covers the following topics.</p> <p>(1) Lectures:</p> <ol style="list-style-type: none"> <li>(a) Approach to urban environmental management</li> <li>(b) Municipalities' missions and functions in urban environmental administration</li> <li>(c) Features and measures of main urban environmental problems (waste management, water pollution, disaster/energy control, etc.)</li> <li>(d) Environmental education, etc.</li> </ol> <p>(2) Practice:</p> <ol style="list-style-type: none"> <li>(a) Formulation of integrated basic plan</li> <li>(b) PCM (Project Cycle Management), etc.</li> </ol> <p>(3) Observations and discussions:</p> <ol style="list-style-type: none"> <li>(a) Case examples for urban environmental management (garbage recycling factory, landfill site which is changed to a park, sewage and waste treatment facilities, underground car park, disaster prevention center for citizens, solar power generation device, etc.)</li> <li>(b) Case examples of environmental education</li> </ol> <p>Preparatory phase: To make a country report on participants' responsibilities and urban environmental problems in participants' municipalities</p> <p>Curriculum in Japan: Participants will obtain practical knowledge and ideas, and write and examine action plans which will be applicable to participating municipalities, by fully utilizing the knowledge and ideas they have obtained through the course.</p>	<p>IMPLEMENTING PARTNER</p>	Environmental Affairs Bureau, City of Sapporo
	<p>JICA CENTER</p>	Sapporo International Center
	<p>COOPERATION PERIOD</p>	2006~2010
	<p>REMARKS</p>	



It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.



Air Pollution Control II 大気汚染対策 II		 Multi-participants  Multi-year         J0600854	
Environmental Management—Air Pollution/Acid Rain 8 participants / English			
OBJECTIVE		TARGET ORGANIZATION / GROUP	
1.fundamental knowledge of legislative systems and of the relation between industrial development and pollution with reference to Japanese cases, 2.measurement techniques for gaseous substances and particle substances related to air pollution,3.emission source control techniques for polluting substances such as sulfur oxides, nitrogen oxides, soot and dust,4.application techniques for dispersion models required to prepare air pollution prevention plans, and5.management techniques for environmental control such as comprehensive and strategic enforcement of anti-pollution plans.		1)University graduate or equivalent 2)Administrative engineers who have at least 5 years experience in the field of air pollution prevention. 3)Age: between 25-45 years old	
CONTENTS		PROGRAM PERIOD	Aug.21.2006 ~ Nov.25.2006
1:Overview of Environmental Problems:Air Pollution 2:Overview of Environmental Conservation Measures 3:Environmental Conservation:Efforts in industry 4:Planning of Air Pollution Control 5:Laws and Regulations 6:Dust:Measurement and Control 7:Fuel and Combustion 8:Dessulfurization and Denitrification Techniques 9:Odor Pollution Control 10:Measurement of NOx and SOx 11:Stack GAs Diffusion 12:Atmospheric Diffusion 13>Data Processing for Air Pollution 14:Continuous Monitoring System 15:Hazardous Substance 16:Acid Rain 17:Automobile Pollution Control 18:Environmental Impact Assessment 19:Case Study		IMPLEMENTING PARTNER	GLOBAL ENVIRONMENT CENTRE FOUNDATION
		JICA CENTER	Osaka International Center
		COOPERATION PERIOD	2004 ~ 2008
		REMARKS	A session is organized to discuss on environmental problems caused by air pollution and countermeasures,using materials such as datas and photos which each participants will bring.


Air Quality Management Policy II 大気保全政策 II		 Multi-participants  Multi-year         J0600864	
Environmental Management—Air Pollution/Acid Rain 9 participants / English			
Target Countries: Asia, Central and South America, Middle East, Europe			
OBJECTIVE		TARGET ORGANIZATION / GROUP	
The purpose of this program is to contribute to the improvement of the air pollution control policy in the participating countries from technical and socioeconomic viewpoints. It is intended to share the Japanese specific experience on air pollution control policy with the participants and to enhance frank discussions among them. Participants are expected to achieve following results, i.e. to be able to make an air pollution countermeasure plan by taking leadership in the relevant fields at the national or the local governments through such items as: 1.to understand the whole system of air quality management, 2.to understand technical aspects of air pollution countermeasures (stationary and mobile source), and air quality monitoring method, 3.to exchange opinions of current status of air quality and countermeasures in each country, and 4.to make an action plan for solutions of air pollution control problems.		Technical officials directly responsible for air pollution control administration especially in a position to participate in planning and deciding at either central or local governmental organizations with more than 3 years of experience	
CONTENTS		PROGRAM PERIOD	Jan.16.2007 ~ Mar.3.2007
1. ①outline of air pollution issues, ②history of Japan's countermeasures against air pollution, ③air pollution control administration, ④countermeasures against stationary sources, ⑤environmental quality standard and health effects, ⑥ countermeasures against hazardous air pollutants, ⑦countermeasures against dioxin ⑧VOC countermeasures ⑨air pollution control administration by local governments ⑩offensive odor control, etc. 2. ①diffusion of pollutants in the atmosphere, ②photochemical air pollution, ③air pollution control technology and energy issues ③air pollution control technology and energy issue ④global atmospheric environmental problem, ⑤techniques for measurement of air pollution and sampling, ⑥malodor measuring methodology, ⑦ environmental impact assessment and information processing, ⑧analysis technology, present situation 3. country report presentation and discussion, 4. preparation and presentation of an action plan		IMPLEMENTING PARTNER	Japan Environmental Sanitation Center
		JICA CENTER	Tokyo International Center
		COOPERATION PERIOD	2004 ~ 2008
		REMARKS	


Seminar on Ozone Layer Protection II オゾン層保護対策セミナー II		 Multi-participants  Multi-year         J0600937	
Target Countries: Countries that have ratified the Montreal Protocol		Environmental Management—Air Pollution/Acid Rain 18 participants / ENGLISH	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
This seminar was designed to provide participants with legislative, technical and scientific information concerning the ozone depleting substances (ODSs) that will enable them to implement substantial measures pursuant to the international framework, “Vienna Convention for the Protection of the Ozone Layer” and “Montreal Protocol on Substances that Deplete the Ozone Layer”.	(1)Senior-class administrative officers within the machinery of the government who are in charge of ozone layer protection or in those of the equivalent post, (2)Between 25-45 years old, (3)University graduates or possess equivalent qualifications in this field, (4) Have a sufficient command of spoken and written English, *Researchers are NOT the target of this seminar.		
CONTENTS	PROGRAM PERIOD	Jan.21.2007 ~ Feb.24.2007	
The curriculum consists of the following three parts. (1) lectures (a) overview of ozone layer science (b) environmental impact of increased UV-B radiation (c) outline of the Vienna Convention and the Montreal Protocol, and legislative and institutional arrangements in Japan (d) overview of technologies to reduce ozone layer depleting substances (e) state of development on alternative technologies to reduce consumption of ozone layer depleting substances (f) monitoring of ozone layer (2) field visit (3) presentation and discussions (a) presentation of Country Reports (b) group discussions on the promotion of ozone layer protection in the participating countries	IMPLEMENTING PARTNER	Manufacturing Industries Bureau, METI	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2005 ~ 2009	
	REMARKS	Preferable national machinery for each country to be stated in the G.I.	

Domestic Waste Water Treatment Techniques II 生活排水対策 II		 Multi-participants  Multi-year         J0600006	
		Environmental Management—Water Pollution 9 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
The objective of this program is to make feasible action plans to solve or improve wastewater problems for which the participant is responsible through learning about Japanese wastewater treatment techniques and policies. To reach the objective, participants are expected to achieve the following: (1) To cultivate the practical ability to reflect knowledge in policies by understanding the Japanese administrative framework for domestic wastewater management (2) To develop the ability to assess applicable techniques through understanding wastewater treatment techniques including sewage/drainage treatment, septic tank management, and human waste treatment (3) To understand the method of measuring environmental pollutant and the significance of pollution control (4) To understand the relation between environmental pollution mechanisms, hydrologic circulation and water supply	[Target Organizations] Central/local government  [Target Group] Technical administrators in the field of domestic wastewater treatment in central or local government		
CONTENTS	PROGRAM PERIOD	Aug.29.2006 ~ Dec.9.2006	
All topics consist of lectures, practice, and exercises (1) Introduction to municipal administration (2) Introduction to water quality preservation (3) Wastewater treatment technique (4) Low-cost septic tank technology (5) Septic tank maintenance (6) Project cycle management (7) Water quality assessment (8) Low-cost wastewater treatment system (9) Administration for water quality preservation (10) Planning/designing exercise for wastewater administration (11) Construction/maintenance of sewerage system (12) Participation in volunteer activity for river cleaning (13) Treatment technique for human waste (14) Monitoring method for water pollution (15) Recycling technology of polluted mud (16) Advanced wastewater treatment technique (17) Technique for removing nitrogen and phosphorus (18) Introduction to deodorization equipment (19) Leachate treatment technique (20) Monitoring method for toxic chemicals	IMPLEMENTING PARTNER	KITAKYUSHU INT'L TECHNO-COOPERATIVE ASSOCIATION	
	JICA CENTER	Kyushu International Center	
	COOPERATION PERIOD	2005 ~ 2009	
	REMARKS	1) A problem analysis sheet is used to help identify the participant's problems of their country. 2) The curriculum focuses on low-cost domestic wastewater treatment methods such as septic tanks.	



<b>Construction of a Model Environmental City by Community Participation: Through the Lessons from Industrial Pollution</b> <b>住民との協働による環境都市づくり(公害の経験から)</b>		 Multi-participants	 Multi-year	J0600007
		Environmental Management—Water Pollution 10 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>This program is designed to enable participants to improve their abilities to prevent environmental pollution in countries undergoing rapid industrialization through lessons learned from Minamata's experience, and to utilize know-how of mobilizing local communities in the environmental conservation policies of participants' countries. Through this program, participants are expected to:</p> <p>(1) Understand how gravely environmental pollution affects communities and the health of local residents and what efforts are needed to overcome such destruction</p> <p>(2) Grasp the know-how of 'Construction of a Model Environmental City' based on collaboration between the municipality and citizens that improves citizens' awareness of the environment</p> <p>(3) Understand the economic advantages of environment-friendly approaches by municipalities, companies, etc.</p> <p>(4) Foster the ability to make policies, educational programs or awareness programs for environmental conservation and prevention of industrial pollution, according to the situation of each country</p> <p>The Action Plan Report, which participants prepare at the end of the training, must be based on at least one of the above objectives.</p>	<p>(1) Program officers at central or local government engaged in environmental policy-making</p> <p>(2) NGO personnel working on environmental conservation</p> <p>*Participants are expected to have experience or a strong interest in formulating and implementing projects based on community participation</p>			
CONTENTS	PROGRAM PERIOD	Oct.16.2006 ~ Dec.2.2006		
<p>The program consists of lectures, practical exercises, discussions, observation and communication with local residents, covering the following themes:</p> <p>(1) Causes of "Minamata Disease" and its mechanism</p> <p>(2) Physical and mental injury by Minamata Disease and its deleterious effects on local communities</p> <p>(3) Environmental policies and administration of the nation, prefecture and Minamata City</p> <p>(4) Efforts made by Minamata City government and local residents toward environmental conservation (classification of wastes, activities relating to ISO14001)</p> <p>(5) Communication with patients of Minamata Disease, their families and citizens</p> <p>(6) Plant visits and study trip</p>	IMPLEMENTING PARTNER	MINAMATA CITY GOVERNMENT		
	JICA CENTER	Kyushu International Center		
	COOPERATION PERIOD	2005 ~ 2009		
	REMARKS	<p>Participation of countries which face the hazard of environmental pollutions are preferable.</p> <p>At least 2 candidates are required per country.</p>		

<b>Operation &amp; Maintenance of Sewerage Facilities II</b> <b>下水道維持管理 II</b>		 Multi-participants	J0600762	
		Environmental Management—Water Pollution 6 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>Capabilities for implementing and managing sewerage works will be enhanced. To reach the objective, the participants are expected:</p> <p>(1) To reconfirm their basic knowledge of sewer systems and wastewater treatment</p> <p>(2) To acquire knowledge necessary for planning and designing sewerage systems (sewer network, wastewater treatment plants)</p> <p>(3) To acquire knowledge necessary for maintaining sewerage systems (sewer network, wastewater treatment plants)</p> <p>(4) To acquire knowledge necessary for industrial wastewater treatment and pretreatment facilities for discharge to sewerage systems</p> <p>(5) To write a proposal to improve sewerage systems in their respective countries, with a clear understanding of relevant experience and lessons learned through this curriculum</p>	<p>(1) Senior technical officers in charge of sewerage works in central/ provincial governments and local governmental bodies</p> <p>(2) At least 5 years of practical experience</p> <p>(3) University graduate or equivalent</p>			
CONTENTS	PROGRAM PERIOD	Sep.12.2006 ~ Nov.11.2006		
<p>Preparatory phase: Country report and questionnaire including the outline of sewerage, work experience, problems and obstacles are prepared.</p> <p>Curriculum in Japan:</p> <p>(1) Basic concept of sewerage system</p> <p>(2) Planning and maintenance of sewers</p> <p>(3) Design and management of wastewater treatment plants</p> <p>(4) Utilization of treated wastewater and sludge</p> <p>(5) Controlling water pollution due to industrial wastewater (regulation and inspection of wastewater)</p> <p>(6) Presentation/discussions (country report presentation, final report presentation, and discussions)</p>	IMPLEMENTING PARTNER	CONSTRUCTION BUREAU, CITY OF SAPPORO		
	JICA CENTER	Sapporo International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS	<p>The wastewater treatment method mainly discussed in the curriculum is the conventional activated sludge process, adopted by the City. Other sewage treatment methods will be briefly introduced through observation.</p>		

<b>Sewage Works Engineering and Stormwater Drainage Technology</b> <b>下水道技術・都市排水コース</b>		 Multi-participants	J0600779
		Environmental Management—Water Pollution Water Resources / Disaster Management—Urban Water Supply 12 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>This purpose of this program is to improve water environment and reduce damage from flood in respective countries by appropriate plan, implementation and management for sewage works and stormwater drainage. Through the program, learning comprehensive knowledge related to sewage works and stormwater drainage, analyzing and considering of issues on the subject by referring knowledge gained through the program, and developing Action Plan describing solution for issues on the subject such as implementation plan, suggestions for improvement etc.</p> <p>Through the program program, participants are expected:</p> <ol style="list-style-type: none"> <li>(1) to acquire a basic knowledge of sewerage, sewage purification, and stormwater drainage,</li> <li>(2) to understand the process and methods for planning and designing of sewers, pumping stations, and sewage and sludge treatment facilities,</li> <li>(3) to understand basic factors and planning methods regarding stormwater drainage,</li> <li>(4) to obtain knowledge and information on water environmental protection measures besides sewerage system, and</li> <li>(5) to consider the proper way to protect water environment, mitigate flood disasters and promote sewage works and stormwater drainage systems in each country by deepening the understanding of sewerage system management as well as acquiring knowledge regarding the above mentioned items.</li> </ol>	<p><b>【Target Countries/ Organizations】</b> Central or local governments, autonomies, public wastewater utilities</p> <p><b>【Target Group】</b> Senior technical officers in charge of sewage works</p>		
CONTENTS	PROGRAM PERIOD	Aug.29.2006 ~ Dec.10.2006	
<p>Preparatory phase: Country Report describing status and issues of sewage, stormwater drainage technology, water environment, and laws in addition to present jobs activities. Besides, Case study theme specifying issues which participants work on through the program, on sewage services and water environment protection etc., are included.</p> <p>Program in Japan: Participants develop Final Report describing actions to solve the case study which is set by participants by considering concrete solution based on the knowledge and information gained from the program, after they distill and reprioritize their issues by referring Japanese case on sewage works, stormwater drainage and water environment. Main subject are following:</p> <ol style="list-style-type: none"> <li>(1) Basic knowledge on sewage works and stormwater drainage such as long-term plan, law, finance etc.</li> <li>(2) Planning, Design and Maintenance of sewerage system facilities</li> <li>(3) Urban stormwater drainage system</li> <li>(4) Environmental protection measures</li> <li>(5) Management of sewerage services</li> </ol> <p>Post-program activities: After participants' return,</p> <ol style="list-style-type: none"> <li>(1) The Second Report is formulated based on Final Report, after reviewed and authorized in their organizations.</li> <li>(2) The Second Report at the time of 3 months after return.</li> </ol>	IMPLEMENTING PARTNER	Sewage Business Management Center	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2005~2009	
	REMARKS		

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.

It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Industrial Wastewater Treatment Techniques II 産業廃水処理技術 II		Multi-participants		J0600815
		Environmental Management—Water Pollution Environmental Management—Industrial Solid Wastes 8 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The objective of the program is to enhance the capability of managers and engineers in charge of pollution control, especially in the field of industrial wastewater. Participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1) To understand the importance of wastewater treatment and the water-pollution related existing regulations included disposal treatment</li> <li>2) To understand the water pollution control process, and the general concept of wastewater treatment technologies</li> <li>3) To acquire the method of selecting wastewater treatment by analysis, and the basic design of wastewater treatment facilities</li> <li>4) To understand the techniques concerning the detail design and manufacturing control of the facilities for precipitation filtration, neutralization, removal of oil contents, etc.</li> <li>5) To acquire the method of analyzing wastewater through practice, and to understand the methods of operation and maintenance of wastewater treatment facilities</li> </ol>	<p>[Target Organizations] Departments related to wastewater treatment in the central/local government or manufacturing enterprise.</p> <p>[Target Group] (1) Engineers in charge of wastewater treatment in government or manufacturing industries with at least 5 years of experience (2) University graduate majoring in chemical, mechanical, electrical or civil engineering, and preferably under 45 years old</p>			
CONTENTS	PROGRAM PERIOD	Jul.17.2006 ~ Nov.25.2006		
<ol style="list-style-type: none"> <li>(1) Basics of water pollution control: History and measures of water pollution prevention, global environment and environmental assessment, etc</li> <li>(2) Basic theory of wastewater treatment: Pollution control processes, outline and development of wastewater treatment techniques</li> <li>(3) Basics of wastewater treatment plant: Investigation of wastewater and data analysis, selection of treatment method and mass balance, details of wastewater treatment and model test</li> <li>(4) Design and construction of wastewater treatment facilities: Detail design of equipment, structures and layout, construction plan and schedule management, planning of wastewater treatment facilities, automatic control practice, application of CAD practice</li> <li>(5) Operation and maintenance of wastewater treatment facilities: Wastewater analysis practice, iron-making equipment and measures against water, pollution, work improvement technique, maintenance of wastewater treatment facilities, introduction to maintenance management, cleaner production</li> </ol>	IMPLEMENTING PARTNER	KITAKYUSHU INT'L TECHNO-COOPERATIVE ASSOCIATION		
	JICA CENTER	Kyushu International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS	This program does not cover domestic wastewater from houses/offices.(For domestic wastewater, please see the program "Domestic Wastewater Treatment Techniques II" (J0600006).)		

Marine Environment Protection II 海洋環境保全 II		Multi-participants		J0600822
Target Countries: Maritime countries		Environmental Management—Water Pollution 10 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The participants will understand the guidance, prevention and law enforcement of illegal dumping, and some cases in which the public sector and citizens cooperate in marine environment protection.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>(1) To understand the international framework of marine environment protection including: UNCLOS, MARPOL73/78, OPRC, etc.</li> <li>(2) To understand an outline of the law relating to the prevention of marine pollution in Japan</li> <li>(3) To understand an overview of Japan's efforts for marine environment protection</li> </ol>	<p>[Organizations] Engaged in marine environment protection</p> <p>[Target Group] (1) Have at least 5 years of experience in the field of marine environment protection (2) Senior administrative staff (not engineer, not researcher) (3) Age: 30-45 years old</p>			
CONTENTS	PROGRAM PERIOD	Sep.5.2006 ~ Oct.14.2006		
<p>Preparatory phase: A Country Report describing the present situation of marine environment protection in the participants' countries and roles of their organizations is developed.Program in Japan: This program consists of lectures, practical exercises, discussions, report-making/presentation, and observation tours. The main themes are:</p> <ol style="list-style-type: none"> <li>(1) Outline of Japan Coast Guard</li> <li>(2) International framework of marine environment protection</li> <li>(3) Law enforcement against illegal discharge</li> <li>(4) Outline of the characteristic of oil and analysis method</li> <li>(5) Discussion</li> </ol>	IMPLEMENTING PARTNER	JAPAN COAST GUARD		
	JICA CENTER	Okinawa International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS	*Major Requirement: An administrative officer (not engineer, not researcher)		

Water Environmental Monitoring II 水環境モニタリング II		Multi-participants		Multi-year		J0600962	
		Environmental Management—Water Pollution 10 participants / English					
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>In the most developing countries, water pollution has been getting severe year by year reflecting the growth of their economic activity and rapid urbanization. In order to tackle the water pollution, it is essential to evaluate the status of water quality by carrying out monitoring. Environmental monitoring requires not only technical knowledge on cause and effect of water pollution but also analytical techniques. This program aims to provide necessary information and skills on the water quality monitoring for practical use.</p> <p>To reach the objective, participants are expected to achieve following results:</p> <ol style="list-style-type: none"> <li>1. Mechanism of water pollution and its effects/</li> <li>2. Activities of water quality conservation in the relational organizations/</li> <li>3. Role of monitoring works, /</li> <li>4. Practical skills on monitoring and data processing,</li> <li>5. By acquired knowledge of 1-4, participants are requested to formulate an action plan</li> </ol>				<p>(1) Engaged in water quality monitoring in central or local governmental laboratories. (2) University graduate or have the equivalent academic background. (3) Age: preferably between 25 to 35 years old</p>			
CONTENTS				PROGRAM PERIOD		Sep.19.2006 ~ Nov.17.2006	
<p>1) Mechanism of water pollution and its effects on our life ①History of water pollution in Japan ②Behavior and fate of pollutants in water system ③Adverse effects of water pollution on ecosystems, society and economy 2) Water pollution management system ①Regulative and administrative works of government organizations ②Importance of monitoring work, and tasks of environmental analysis work, roles of environmental analysis 3) Methodology of water quality monitoring ①Development and management of monitoring system ②Laboratory practice on water analysis for pollutants in rivers, ponds and lake waters; a)total organic carbon by using a total organic carbon analyzer(TOC), b)heavy metals by using an atomic absorption spectrometer (AAS), c)agricultural chemicals by using a gas chromatography with electron capture detector(GC/ECD) and high performance liquid chromatography(HPLC), and ③ Data interpretation</p>				IMPLEMENTING PARTNER		Nat'l Env. Research&Training Inst. Min. of the Env	
				JICA CENTER		Tokyo International Center	
				COOPERATION PERIOD		2005 ~ 2009	
				REMARKS		Cooperative Association:Japan Society on Water Environment	


Integrated Basin Management for Lake Environment 湖沼環境保全のための総合的流域管理		Multi-participants		Multi-year		J0600988	
		Environmental Management—Water Pollution Nature Conservation—Conservation of Biodiversity 10 participants / English					
OBJECTIVE				TARGET ORGANIZATION / GROUP			
<p>This program is intended for technical administrators and leading researchers engaged in the establishment and implementation of policies and measures for preservation and management of water quality of lakes (natural and artificial) in developing countries. This program aims to contribute to the qualitative improvement and sound development of environmental conservation of lakes and reservoirs in participating countries.</p>				<p>(1) Technical administrator or researcher for water quality measurement laboratories (with professional experience of at least 5 years), who is expected to take a leading role for planning proper management of water quality in lakes, wetlands and tributary rivers.</p>			
CONTENTS				PROGRAM PERIOD		Jan.3.2007 ~ Mar.17.2007	
<p>In this program, the emphasis is put on workshop practice. The main themes are: (1)Lectures: (a)Environmental problems related to lakes and reservoirs-ex. Environmental pollution, Contaminated water, Eutrophication, etc(b)Water pollution prevention technique-ex.Industrial waste water treatment, Domestic waste water treatment, etc(c)Water quality measurement techniques-ex.Outline of monitoring network, Analytical techniques of main items, etc(d)Water pollution estimation techniques-ex.Pollution load sources and their conditions, Basic theories on various models, etc(e)Environment management techniques-ex.Preparation methods for lake water quality management plans, etc(f) Administrative measures for environmental preservation-ex.Laws relating to lakes and reservoirs, etc. (2)Practices:(a)Water treatment techniques (b)Measurement techniques (c) Environment management techniques (3)Observation: Permanent Monitoring Facilities of lake water quality, Water treatment facilities, Sewage water treatment facilities, etc.</p>				IMPLEMENTING PARTNER		INT'L LAKE ENVIRONMENT COMMITTEE FOUNDATION	
				JICA CENTER		Osaka International Center	
				COOPERATION PERIOD		2005 ~ 2009	
				REMARKS		ILEC Homepage: <a href="http://www.ilec.or.jp/">http://www.ilec.or.jp/</a> Required to bring each country report contained on CD-ROM.	



System of Environmental Management of Enclosed Coastal Seas II 閉鎖性海域の水環境管理技術 II		Multi-participants		Multi-year		J0600997	
Target Countries: Countries with closed marine systems and/or river estuary regions		Environmental Management—Water Pollution		6 participants /		English	
OBJECTIVE		TARGET ORGANIZATION / GROUP					
<p>The aim is to increase the understanding of participants on the environmental management of enclosed coastal seas, thus enabling them to make an action plan to reform the environmental policy for sustainable environmental preservation.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1. To understand the legislation system and governmental structure for the environmental preservation and sustainable development of enclosed coastal seas</li> <li>2. To understand the importance of environmental preservation and policies for sustainable development</li> <li>3. To understand the methods of monitoring enclosed coastal seas</li> <li>4. To understand the mechanisms of environmental pollution in enclosed coastal seas</li> <li>5. To formulate an action plan</li> </ol>		Officers, educators, and engineers in administrative bodies who presently need information and/or experience on the environmental management of enclosed coastal seas					
CONTENTS		PROGRAM PERIOD	Aug.14.2006 ~ Oct.28.2006				
<p>Lectures, practical exercises and observation:</p> <ol style="list-style-type: none"> <li>(1) Phenomena &amp; mechanisms of water pollution</li> <li>(2) Ecosystems</li> <li>(3) Modeling/numerical simulation</li> <li>(4) Investigation &amp; measurement</li> <li>(5) Visits to national institutes</li> <li>(6) Management</li> </ol>		IMPLEMENTING PARTNER	INTERNATIONAL EMECS CENTER				
		JICA CENTER	Hyogo International Center				
		COOPERATION PERIOD	2005 ~ 2009				
		REMARKS					

Effective Use of Industrial Water and Re-use of Waste Water 工業用水使用合理化及び廃水再生利用(18年度休止)		Multi-participants		J0603074			
		Environmental Management—Water Pollution		Water Resources / Disaster Management—Urban Water Supply			
		7 participants /		English			
OBJECTIVE		TARGET ORGANIZATION / GROUP					
<p>This program aims to provide technical information on effective use of industrial water and re-use of wastewater to participants who are engaged in administration for promoting introduction of such technology to private sectors in their respective country, in order to minimizing problems of water shortage and water pollution by industrial water use.</p> <p>The participants are expected to acquire knowledge on:</p> <ol style="list-style-type: none"> <li>(1) the present trend in basic and advanced technologies in the fields of industrial wastewater treatment and reuse</li> <li>(2) case studies in saving and reusing industrial water and waste water, and</li> <li>(3) general outline of the facilities and equipment concerned</li> </ol>		<p>[Target Organizations]</p> <p>Public organization engaged in administration for promotion of effective industrial water use and wastewater treatment technology</p> <p>[Target Group]</p> <p>Officials or engineers with 5 years of practical experience</p>					
CONTENTS		PROGRAM PERIOD	Jul.2.2006 ~ Aug.5.2006				
<ol style="list-style-type: none"> <li>(1) Current policy related to water production technology in Japan</li> <li>(2) General information on public and private organization</li> <li>(3) Basic and advanced technologies for waste water reuse</li> <li>(4) Case studies on waste water reuse</li> <li>(5) Overall information on technology for treatment of industrial waste water discharged from such industries as food processing, textile dyeing, electroplating and so on.</li> <li>(6) Effective use of industrial water</li> <li>(7) Study visit to industrial water supply plants, and waste water treatment and reuse facilities,</li> </ol>		IMPLEMENTING PARTNER	WATER RE-USE PROMOTION CENTER JAPAN				
		JICA CENTER	Tokyo International Center				
		COOPERATION PERIOD	1989 ~ 2007				
		REMARKS	This program (formerly called 'Group Training program on Saving and Re-use of Waste Water') is conducted biennially, and planned to be held in Fiscal year 2007.				

Urban Solid Waste Management II 都市廃棄物処理 II		Multi-participants		J0600802
Environmental Management—Urban Solid Wastes 10 participants / English				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
The purpose of the program is to contribute to the improvement of public health in participating countries by training personnel to take leadership and middle management roles in planning and implementing waste management programs in their own countries. This will be accomplished by having participants learn in details about waste management in big cities mainly focused on Osaka city in Japan. They will also learn about the characteristics of urban waste management programs while acquiring comprehensive knowledge on waste management.		(1) Engineers or administrative officials with at least 3 years of waste management experience or an equivalent level of knowledge who will continue working in the same field after the training program (2) University graduates or those with equivalent technical knowledge (3) Between 30 and 45 years old		
CONTENTS		PROGRAM PERIOD	Aug.28.2006 ~ Nov.3.2006	
In this program, the emphasis is put on introduction of the Japanese experience. The main themes are: (1) outline of solid waste management (2) outline of regional administration (3) economics and measures to counteract pollution (4) domestic waste management (5) intermediate treatment facilities (6) final disposal site (7) restrictions on industrial waste management.		IMPLEMENTING PARTNER	OSAKA CITY ENVIRONMENTAL MANAGEMENT BUREAU	
		JICA CENTER	Osaka International Center	
		COOPERATION PERIOD	1998 ~ 2007	
		REMARKS	Participants are required to bring their country reports contained on CD-ROM. The reports should include photographs or data, to provide a clearer explanation of the waste management process and related issues of the participant's country .	

Seminar on Comprehensive Solid Waste Management II 廃棄物総合管理セミナー II		Multi-participants		Multi-year	J0600974
Environmental Management—Urban Solid Wastes 12 participants / ENGLISH					
OBJECTIVE		TARGET ORGANIZATION / GROUP			
Participants are expected to 1. expand the knowledge on solid waste management system, such as administration system and planning of solid waste management. 2. enhance the solid waste management techniques which include collection, transportation, intermediate treatment, final disposal, reuse and recycling. 3. expand the knowledge for improving their institution through understanding their own problem and other countries' case, and to enable to prepare action plan to carry out the solid waste management.		(1) Mid-career officials presently in charge of solid waste management in the central or provincial governments or in local bodies, with more than 2 years of occupational experiences in this field, (2) Under 46 years old (3) University graduates or possess equivalent technical qualifications in this field			
CONTENTS		PROGRAM PERIOD	May.17.2006 ~ Jul.4.2006		
The following subjects are covered at the seminar; (1) solid waste management (2) planning and institutional system of solid waste management (3) solid waste reduction, recycling and citizens' participation (4) hazardous waste management (5) collection and transportation of solid waste (6) solid waste management technology (7) others (country report presentation, group discussion and action plan presentation)		IMPLEMENTING PARTNER	Japan Environmental Sanitation Center		
		JICA CENTER	Yokohama International Center		
		COOPERATION PERIOD	2005 ~ 2009		
		REMARKS	This program is designed for countries whose main final disposal site is NOT in coral area. The country report is used not only for selecting applicants, but also for presentation.		

<b>Waste Management and 3Rs (Reduce, Reuse, Recycle) Policy</b> <b>廃棄物3R・再資源化</b>		 Multi-participants	J0603121
		Environmental Management—Urban Solid Wastes 7 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>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 &amp; recycling, skills to develop and implement recycling plans for industrial waste, and an overall information on the facilities and equipment concerned.</p>	<p>(1) Technical university graduates or possess the equivalent technical knowledge &amp; 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</p>		
CONTENTS	PROGRAM PERIOD	Jan.8.2007 ~ Feb.17.2007	
<p>(1) Present status of industrial waste management &amp; recycling in Japan            (2) Related legislation and strategies established in Japan            (3) Implementation of countermeasures towards the creation of recycle-oriented society (standardization by ISO / green purchasing / product assessment (including LCA) / 3R-oriented design (Design for Environment))            (4) Present status of recycling by products in Japan (packagings &amp; containers / home electrical appliances / foods / construction materials / end-of-life vehicles)            (5) Development of environmental key technology (pre-treatment (collection, dismantling, crushing, sorting, dehydration &amp; drying) / incineration, vitrification (melting) &amp; solidification / pyrolysis / bio-treatment / energy-utilization)</p>	IMPLEMENTING PARTNER	CLEAN JAPAN CENTER	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	1990 ~ 2008	
	REMARKS	This program is conducted biennially and planned to be held in Fiscal year 2004, 2006 and 2008.	

<b>Comprehensive Waste Management Technique II</b> <b>廃棄物管理総合技術</b>		 Multi-participants	 Multi-year	J0603526
		Environmental Management—Urban Solid Wastes Environmental Management—Industrial Solid Wastes 8 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>Participants will acquire comprehensive knowledge and skills on solid waste management to enhance their capabilities for effective and proper planning and implementation of solid waste management.            To reach the objective, participants are expected to achieve the following:            1) To clarify the issues and causes of waste management in their respective countries            2) To understand the present system and the historical process of environmental policy and waste management in Japan            3) To understand the techniques used in each process of waste management (collection, transportation, intermediate treatment, final disposal) in Japan            4) To understand the role and concrete methods of environmental education for waste management            5) To understand the importance and concrete methods of environmental management such as EIA in waste management</p>	<p>(1) Technical/administrative staff in charge of solid waste management at national/local governments or governmental organizations            (2) Have at least 3 years of work experience in the field of solid waste management            (3) Have a university degree or equivalent            (4) Have a sufficient command of written and spoken English</p>			
CONTENTS	PROGRAM PERIOD	May.9.2006 ~ Aug.6.2006		
<p>*This program deals with general, industrial and medical wastes.            1) Issue analysis workshop (discussion): Analysis of participants' countries            2) Country report presentation (discussion): Sharing the results            3) Waste management policy (lectures): Environmental policy and administrative system of waste management in Japan            4) Waste treatment technique (lectures, observation, practice): each process of waste management (collection, transportation, intermediate treatment, final disposal) taken by both the public and private sectors            5) Environmental education and awareness: Role and concrete methods of environmental education taken by various actors (national/local government, schools, NGOs/citizens' groups and media)            6) Environmental impact assessment (lectures, practice): Concept, methods and concrete examples of EIA            7) Feedback session (discussion): Review of each unit of the training            8) Final report presentation (discussion): Considering an action plan for improving waste management in participants' countries</p>	IMPLEMENTING PARTNER	HIROSHIMA PREFECTURAL GOVERNMENT		
	JICA CENTER	Chugoku International Center		
	COOPERATION PERIOD	2006 ~ 2010		
	REMARKS			


<b>Plant Maintenance Management for Cleaner Production II</b> <b>クリーナープロダクションのための保全管理 II</b>		Multi-participants	Multi-year	J0600885
		Environmental Management—Cleaner Production 6 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The objectives of this program are (1) To train maintenance managers and engineers to maximize the capability of facilities and to eliminate facility problems (environmental pollution, wasted energy/resources, etc.) for cleaner production, and (2) To establish a framework for optimizing equipment management and maintenance, and to contribute to economic development and improvement of the global environment through achieving sustainable cleaner production (CP).            To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>1) To consider the roles and issues of equipment maintenance and management</li> <li>2) To learn the transition of maintenance management methods (e.g. activation method in maintenance sites)</li> <li>3) To learn improvement measures and procedures in maintenance service</li> <li>4) To learn about computer systems for maintenance management and advanced maintenance technology</li> <li>5) To improve the method and ability to respond to accidents and disasters in the maintenance site</li> </ol>	<p>[Target Organizations] Equipment management/maintenance department</p> <p>[Target Group] 1) At least 3 years of practical experience of maintenance works 2) Manager or higher in plant maintenance work 3) University graduate of engineering or equivalent</p>			
CONTENTS	PROGRAM PERIOD	Jan.8.2007 ~ Apr.25.2007		
<p>All topics include lectures, practice, and site visits.</p> <ol style="list-style-type: none"> <li>1) Global environment issues and CP</li> <li>2) Management method for maintenance site (e.g. PDCA cycle) and enhancing safety/disaster handling capabilities</li> <li>3) Transition and issues of equipment and maintenance management (e.g. time based management, risk based management)</li> <li>4) Equipment maintenance service (e.g. cost management, resource management) and methods of improving it</li> <li>5) Equipment diagnosis techniques (e.g. vibration diagnosis, nondestructive inspection, insulation diagnosis)</li> <li>6) Computer system for equipment maintenance and data administration</li> <li>7) Education and training methods for passing on basic maintenance skills</li> <li>8) Maintenance techniques for major equipment (e.g. hydraulic power units) and repair techniques for machine products</li> <li>9) Life cycle costing and plant engineering</li> </ol>	IMPLEMENTING PARTNER	KITAKYUSHU INT'L TECHNO-COOPERATIVE ASSOCIATION		
	JICA CENTER	Kyushu International Center		
	COOPERATION PERIOD	2004 ~ 2008		
	REMARKS	This program covers not only maintenance management but also management techniques for activating the organization thorough the experience of Japanese manufacturers, one of the most competitive organizations in the world.		


<b>Computerized Machine Control for Mechanical Automation—Systematization of Industrial Plant Equipment</b> <b>コンピューターによる機械制御—クリーナープロダクションのための高度設備システムの構築— II</b>		Multi-participants	Multi-year	J0600886
		Environmental Management—Cleaner Production 5 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>Participants will acquire the knowledge and techniques of mechanical automation, quality management, and productivity improvement in order to play an essential role in realizing successful mechanical automation and cleaner production.            To reach the objective, participants are expected to achieve the following results.</p> <ol style="list-style-type: none"> <li>(1) To develop equipment management abilities (cleaner production, equipment management and maintenance)</li> <li>(2) To master the basics of control systems (classical control theory, feedback control, simulation)</li> <li>(3) To master element technologies (electric and electronic technology, microcomputer, mechanical)</li> <li>(4) To master operation and application technologies</li> </ol>	<ol style="list-style-type: none"> <li>(1) Those interested in studying computerized machine control and mechatronics and have at least 5 years of work experience in the process industry or assembly industry such as production and maintenance</li> <li>(2) Graduate from mechanical engineering department of university, or equivalent (engineers with Ph.D. will not be accepted)</li> <li>(3) Age: Preferably under 35 years old</li> </ol>			
CONTENTS	PROGRAM PERIOD	Nov.6.2006 ~ Mar.27.2007		
<ol style="list-style-type: none"> <li>(1) Cleaner production in manufacturing</li> <li>(2) Theory of servo control and process control and their practices by mini plants</li> <li>(3) Computer simulation of control systems using MALAB/SIMULINK and Bondgraphs</li> <li>(4) Computerized numerical control and its application</li> <li>(5) Practice of variable speed electric motors (servo motor and VVVF inverter system)</li> <li>(6) Programming of micro-processor for controlling a mini robot assembled by each participant</li> <li>(7) Cases of application such as industrial robots, CNC machine tools and injection molding machines</li> <li>(8) Study tours visiting some leading companies in Japan</li> </ol>	IMPLEMENTING PARTNER	KITAKYUSHU INT'L TECHNO-COOPERATIVE ASSOCIATION		
	JICA CENTER	Kyushu International Center		
	COOPERATION PERIOD	2004 ~ 2008		
	REMARKS	This program provides the latest theory by professors, advanced industrial technologies by active engineers, and basic knowledge by experienced engineers, to develop leading engineers with a high degree of professionalism and vision.		






Development of Strategies on Climate Change 地球温暖化対策コース		J0600572
Environmental Management—Global Warming 15 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Participants will develop feasible actions to solve problems in the field for which they are responsible.</p> <p>To reach the objective, participants are expected to achieve the following:            (1) To understand the concept of mainstreaming climate change policy into sustainable development            (2) To understand the measures of developing national communications            (3) To understand the methodology of developing inventories of greenhouse gas emissions and sinks            (4) To understand measures for adaptation and mitigation against climate change            (5) To make a draft of action plans to solve problems in the field for which the participants are responsible</p>	<p>[Target Organizations]            1) Governmental organizations in charge of climate change issues            2) Organizations designated as UNFCCC focal points</p> <p>[Target Group]            Administrative officials who are presently in charge of climate change/global warming issues</p>	
CONTENTS	PROGRAM PERIOD	Jan.11.2007 ~ Mar.1.2007
<p>Preparatory phase:            Participants will make a country report on the current situation of the climate change policy in their country.            Participants will identify the essential problems regarding to their own job and make a Job report on those problems and their possible solutions.</p> <p>Program in Japan:            Participants are expected to understand the overall view of the climate change issue in order to fulfill the responsibilities stipulated by the UNFCCC through lectures, discussions, practical exercises and site visits.            Besides these activities, participants are expected to make action plans both in groups and as individual to address the climate change issues and make presentations at the end of the program.            Lectures consist of the following subjects:            - Outline of climate change            - Measures to be taken- Vulnerability, adaptation and mitigation measures            - GHG reduction measures and sinks            - Energy conservation and renewable energy            - International framework            - Methodologies to calculate GHG emissions            - Guideline of National Communication, Kyoto protocol and CDM</p> <p>Development phase:            The draft of the action plans made in the program in Japan should be shared in the organizations of participants and should be elaborated as feasible action plans. Six months after leaving Japan, participants will report the progress of the final action plans to JICA.</p>	IMPLEMENTING PARTNER	MINISTRY OF THE ENVIRONMENT
	JICA CENTER	Tsukuba International Center
	COOPERATION PERIOD	1997~2006
	REMARKS	<p>This program aims to help developing countries to fulfill their obligations as a member of UNFCCC. Through this program, participants will gain knowledge of a broad range of climate change issues. All activities including lectures will be interactive, and participants will be required to work in groups and as individuals, so active participation in the program and high motivation is essential.</p> <p>Related website: Ministry of the Environment:  <a href="http://www.env.go.jp/en/Kyoto">http://www.env.go.jp/en/Kyoto</a>            Mechanism Information Platform:  <a href="http://www.kyomecha.org/e/index.html">http://www.kyomecha.org/e/index.html</a></p>

It should be noted that this program is not designed for capacity enhancement of the participant as an individual. It is one of specially designed programs to meet specific needs of organizations which intend to diffuse knowledge or solve priority issues such as formulation of a reform plan.  
 It is therefore expected that preparatory and follow-up activities described above shall be undertaken by the participating organization as its official activities.

Capacity Building for Project Staff Regarding Kyoto Mechanism 京都メカニズムプロジェクト担当者養成			Multi-participants	J0600793
Target Countries: Signatories to the Kyoto Protocol		Environmental Management—Global Warming 10 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The participants are expected to develop skills for planning and implementing, or facilitating CDM projects.</p> <p>Expected achievements are as follows:</p> <ol style="list-style-type: none"> <li>To understand the scientific aspect of global warming</li> <li>To understand the Kyoto Protocol and the rules of the Kyoto Mechanism</li> <li>To understand the role of developing countries for the facilitation of CDM projects</li> <li>To consider measures to limit and/or reduce emissions of greenhouse gases in Japan and make an action plan</li> </ol>	<ol style="list-style-type: none"> <li>Administrative officers or researchers of national governments in charge of making and/or implementing the policies and/or projects concerning the Kyoto Mechanism</li> <li>Designated National Authorities (DNA) or other corresponding organizations such as National Focal Points and CDM officers</li> <li>Age: Under 45 years old</li> </ol>			
CONTENTS	PROGRAM PERIOD	Jun.12.2006 ~ Jul.30.2006		
<ol style="list-style-type: none"> <li>Scientific aspects of global warming               <ul style="list-style-type: none"> <li>Global warming and its influence</li> <li>Japan's GHGs emission mitigation measures to achieve the commitment stipulated in the Kyoto Protocol</li> </ul> </li> <li>Kyoto Protocol and the rules of the Kyoto Mechanism Clean Development Mechanism (CDM), Joint Implementation (JI), Emission Trading (ET)</li> <li>Role of developing countries for the facilitation of CDM projects</li> <li>Measures to limit/reduce emissions of greenhouse gases (GHGs)               <ul style="list-style-type: none"> <li>Measures taken by industries against global warming</li> <li>Energy and resource saving for CO2 reduction in major energy-intensive industries</li> <li>Global issues and development of clean-energy vehicles</li> </ul> </li> </ol>	IMPLEMENTING PARTNER	INT'L CENTER FOR ENVIRONMENTAL TECH. TRANSFER		
	JICA CENTER	Chubu International Center		
	COOPERATION PERIOD	2003 ~ 2007		
	REMARKS			



Research on Environmental Technology 環境調和技術			Multi-participants	J0600729
		Environmental Management—Other Environmental Management Issues 6 participants / English		
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>The objective of this program is to develop leading researchers in the field of environmental technology.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> <li>To master methods to carry out research activities by themselves</li> <li>To deepen knowledge on environmental technology</li> <li>To build a broad network with other researchers</li> <li>To make a presentation at an academic conference</li> <li>To make a final report based on research activities</li> </ol>	<p>[Target Organizations] Public research institutes, universities</p> <p>[Target Group] (1) Researchers in the field of environmental technology (2) Have a master's degree or its equivalent (3) Have at least 3 years of research experience</p>			
CONTENTS	PROGRAM PERIOD	Jul.20.2006 ~ Jun.9.2007		
<p>Preparatory Phase: Participants will make a research proposal on a topic of research to be determined. Program in Japan:</p> <ul style="list-style-type: none"> <li>Lectures related to environmental technology (2 weeks)</li> <li>Individual research (about 10 months) According to the subject determined before coming to Japan, participants will be a member of the laboratory of the host researcher, conduct research under the supervision of the host researcher, and write up the results in a final report.</li> </ul>	IMPLEMENTING PARTNER	National Institute of Advanced Industrial Science		
	JICA CENTER	Tsukuba International Center		
	COOPERATION PERIOD	2002 ~ 2006		
	REMARKS	<p>The program includes intensive Japanese language lessons (25 hours). Related website: National Institute of Advanced Industrial Science and Technology <a href="http://www.aist.go.jp/index_en.html">http://www.aist.go.jp/index_en.html</a></p>		



<b>Risk Assessment and Monitoring for Environmental Chemicals</b> <b>環境負荷化学物質の分析技術及びリスク評価</b>		 Multi-participants	J0600811
Environmental Management—Other Environmental Management Issues 8 participants / English			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
The aim of this program is to give leading technical officers and researchers the knowledge and technologies needed for risk assessment and monitoring of environmental chemicals. (1) To learn about technologies for risk assessment for environmental and industrial chemicals and their impacts on human health and ecosystems (2) To learn about the theory and principles of techniques used for monitoring environmental and industrial chemicals in environmental resources and agricultural products (3) To gain analytical techniques and skills in instrument analysis, immunoassay and bioassay methods (4) To complete research reports at the end of the first and second half periods on a given theme, and to prepare an action plan on the utilization and promotion of knowledge and techniques gained in the program for the specialists in related areas in respective countries	(1) Middle-ranking technical officers in the fields of environmental science (2) Leading technical officers and researchers in charge of risk assessment and monitoring of environmental chemicals		
CONTENTS	PROGRAM PERIOD	Feb.12.2007 ~ Aug.18.2007	
Lectures and practical exercises on: (1) Administration and laws for environmental chemicals (2) Environmental chemicals (3) Methods of analyzing environmental chemicals including pesticide residues in crops and the environment (4) Biotechnological approach (biotechnology, immunoassays, bioassays)	IMPLEMENTING PARTNER	KOBE UNIVERSITY	
	JICA CENTER	Hyogo International Center	
	COOPERATION PERIOD	2003 ~ 2007	
	REMARKS		

<b>Group Training Course on Environmental Impact Assessment for ODA Project</b> <b>ODAにおける環境影響評価に係る集団実務研修</b>		 Multi-participants	 Multi-year	J0600936
Environmental Management—Other Environmental Management Issues 13 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
Participants will be able to increase their capability for providing appropriate guidance to organizations engaged in EIA as well as being able to make more appropriate judgment for the implementation of EIA in their countries by referring to numerous advanced cases. Through the program, participants are expected to: (1) be able to explain the fundamental ideas, missions and issues of EIA. (2) learn the efforts of international aid agencies to realize environmental and social considerations and be able to describe the requirements for development projects. (3) be able to explain the relevant points of procedures and techniques for the implementation of EIA. (4) gain the skills to facilitate communication and public consultation through workshops and exercises. (5) be able to compare the EIA systems of one's own country with those required by international aid agencies, and consider the solutions for the problems hampering one's country's EIA through the comparison.	Examining authority for EIA (Environmental Impact Assessment), National or Local Government organizations engaged in large-scale development projects, which will require EIA			
CONTENTS	PROGRAM PERIOD	May.21.2006 ~ Jun.17.2006		
Preparatory phase: The following tasks should be performed by the selected participants. 1) Preparatopns for Job Description Report (on present job activities) and its presentation. 2) Consultation, discussion, information gathering and problem analysis for the Action Plan. Program in Japan: The main subjects that will be covered in the program are following. Through these subject, participants formulate Action Plan for solving issues at their organization. 1) Introduction to EIA, 2) International cooperation and EIA, 3) Procedures and methodologies of EIA, 4) Operational skills, 5) Presentation skills After participants' return: The actions described in the Action Plan will be implemented.	IMPLEMENTING PARTNER	Overseas Environmental Coop. Center (OECC)		
	JICA CENTER	Tokyo International Center		
	COOPERATION PERIOD	2005 ~ 2009		
	REMARKS	Since this program is subject to administrative officers with technical background, researchers may not be able to attain their academic objectives through this training program.		

<b>Environmental Radioactivity Analysis and Measurement Technique</b> <b>環境放射能分析・測定技術</b>		Multi-participants	Multi-year	J0600938
Environmental Management—Other Environmental Management Issues 5 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
This program provides opportunity for technicians and researchers of environmental radioactivity analysis/measurement institutions in countries that have nuclear power plants/experimental reactors or highly concentrated natural radiation source to enable them to precisely measure radiation doses and protect people from its effects. By the end of this program, participants will be able: (1) To acquire basic knowledge necessary to carry out environmental radioactivity analysis & measurement, (2) To understand methods to collect & pretreat environmental samples, (3) To understand methods of radionuclide analysis (gamma-ray spectrometry, tritium analysis, radiostrontium analysis, uranium analysis and radon measurement), (4) To understand methods for measurement of environmental gamma ray dose rate and accumulate dose, and (5) To formulate action plan to apply acquired knowledge for future activities in their country.	[Target Organizations] Radioactivity analysis/measurement institutions.  [Target Groups] Technicians or researchers having basic knowledge on environmental radioactivity analysis/measurement.			
CONTENTS	PROGRAM PERIOD	Aug.15.2006 ~ Sep.16.2006		
This program consists of lectures, laboratory exercises, and observation tours. The following subjects will be covered: (1) Basics of Environmental Radioactivity Analysis, (2) Collection and Pretreatment of Environmental Samples, (3) Gamma-ray Spectrometry with a Ge Semiconductor Detector, (4) Tritium Analysis, (5) Radiostrontium Analysis, (6) Uranium Analysis, (7) Radon Measurement, (8) Measurement of Environmental Gamma Ray, (9) Formulation of Action Plan	IMPLEMENTING PARTNER	JAPAN CHEMICAL ANALYSIS CENTER		
	JICA CENTER	Tokyo International Center		
	COOPERATION PERIOD	2005 ~ 2009		
	REMARKS	Countries that have nuclear power plants and/or experimental reactors or highly concentrated natural radiation source and is making effort to monitor environmental radioactivity.		

<b>Environmental Management Technology in Chemical Industries II</b> <b>化学産業における環境管理技術Ⅱ</b>		Multi-participants	Multi-year	J0600982
Environmental Management—Other Environmental Management Issues 10 participants / English				
OBJECTIVE	TARGET ORGANIZATION / GROUP			
(1) To acquire a comprehensive knowledge of environmental pollution control and pollution prevention countermeasures in the chemical industry considering safety (2) To strengthen professional capabilities in the field of environmental conservation (3) To acquire a comprehensive knowledge of the latest technology currently being used for environmental management in Japan, i.e. CP, VOC, Recycling, LCA, PRTR, RC, and "Environmental Expenditure Accounting" in the chemical industry (4) To exchange views among the participants on the above themes	(1) National and local governmental inspectors or planners for the industry, business executives or technical engineers with at least 5 years of practical experience in the field of environmental conservation in the chemical industry, oil refining, and related petrochemical industries (2) Age: Under 45 years old			
CONTENTS	PROGRAM PERIOD	Jun.6.2006 ~ Jul.23.2006		
Session 1: Outline of Countermeasures on Environmental Pollution and Chemical Industry in Japan and Country/Job Report Presentation (1) Program orientation (2) Presentation of country and Job Report by the participants (3) Introduction of environment conservation measures in Japan (4) Introduction of the chemical industry in Japan, etc. (5) Cause and effect of chemical-related pollution (Japanese experience) Session 2: Environmental Protection Measures and Technologies in the Chemical Industry (1) Laws and regulations related to environmental management (2) Environmental management of chemical industry (3) Pollution prevention technologies Session 3: The Latest Technologies and Systems for Environment Management in Japan (1) Concept of energy saving from environmental and economic aspect (2) Cleaner Production (CP), Life Cycle Assessment (LCA) Session 4: Summary (1) Discussion (2) Final report and action plan presentation	IMPLEMENTING PARTNER	INT'L CENTER FOR ENVIRONMENTAL TECH. TRANSFER		
	JICA CENTER	Chubu International Center		
	COOPERATION PERIOD	2005 ~ 2009		
	REMARKS	The program includes Japanese language lessons (30 hours).		

<b>Environmental Education Focused on Fresh Water Environment ~ For Tertiary Level</b>  <b>Multi-participants</b>  <b>Multi-year</b> <span style="float: right;">J0600991</span> <b>Teaching Staff ~</b> <b>水環境を主題とする環境教育Ⅱ</b> <span style="float: right;">Environmental Management—Other Environmental Management Issues</span> <span style="float: right;">Nature Conservation—Other Nature Conservation Issues</span> <span style="float: right;">8 participants / English</span>		
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>The Purpose of this program is to provide the participants with practical knowledge and method of environmental education (mainly fresh water environment) through typical examples and observations, in order to contribute to the enhancement and development of environmental education.</p> <p>In order to develop and spread the environmental education in their respective countries, by the end of the program, participants are expected to,</p> <ol style="list-style-type: none"> <li>1. understand the idea and theory of environmental education,</li> <li>2. understand the importance of networking between the citizens, schools and governments concerning with environmental education,</li> <li>3. acquire the skills to make the curriculum of environmental education, and</li> <li>4. make the action plans to solve the problems which participants' countries/ organizations are facing.</li> </ol>	<ol style="list-style-type: none"> <li>(1) University/College lecturer or equivalent</li> <li>(2) engaged in environmental education</li> <li>(3) under 35 years of age</li> <li>(4) university/college graduate or equivalent</li> </ol>	
CONTENTS	PROGRAM PERIOD	Aug.21.2006 ~ Oct.20.2006
<p>In this program, the following major subjects will be covered through lectures, practices and observation trips;</p> <ol style="list-style-type: none"> <li>(1) lecture on environmental education (ecology, earth environment, toxic materials etc.)</li> <li>(2) practice on environmental education (document research study, discussions, analysis, observation study etc.)</li> <li>(3) lecture on water quality management and environment (basic concept of lake maintenance management, history of water pollution in Japan, restriction of industrial pollution in Japan, environmental preservation, resident participation, environmental problem in developing countries)</li> <li>(4) Observation of schools, environmental sewage disposal facilities</li> </ol>	IMPLEMENTING PARTNER	SHIGA UNIVERSITY
	JICA CENTER	Osaka International Center
	COOPERATION PERIOD	2005 ~ 2009
	REMARKS	Cooperative organization: International Lake Environment Committee (ILEC)

<b>Heavy Metal and Other Hazardous Substance Pollution Control</b>  <b>Multi-participants</b>  <b>Multi-year</b> <span style="float: right;">J0603524</span> <b>環境中の有害汚染物質対策</b> <span style="float: right;">Environmental Management—Other Environmental Management Issues</span> <span style="float: right;">6 participants / English</span>		
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Participants will acquire a comprehensive understanding of regulations, measurement and countermeasures, including 3R(Reuse, Reduce, Recycle) technologies for hazardous substances and their effects on human health.</p>	<ol style="list-style-type: none"> <li>(1) be a university graduate with a chemistry background, or have equivalent aptitude and knowledge</li> <li>(2) be a key administrative engineer (not including researcher) in the environmental field with at least 5 years of experience</li> <li>(3) be between the ages of 30 - 40</li> </ol>	
CONTENTS	PROGRAM PERIOD	May.22.2006 ~ Jul.29.2006
<p>Step1 &lt;Know background to hazardous pollutant countermeasures&gt;</p> <ol style="list-style-type: none"> <li>1-1 Overview of Pollution Due to Hazardous Substances(Lecture)</li> <li>1-2 Health Impacts, etc., of Hazardous Substances(Lecture)</li> </ol> <p>Step2 &lt;Acquire basic information relating to hazardous pollutant countermeasures&gt;</p> <ol style="list-style-type: none"> <li>2-1 Environmental Measures by Local Government(Lecture)</li> <li>2-2 Environmental Monitoring(Lecture/Practice)</li> </ol> <p>Step3 &lt;Learn concrete methods relating to hazardous pollutant countermeasures&gt;</p> <ol style="list-style-type: none"> <li>3-1 Studies Trace Pollution Sources</li> <li>3-2 3R Promotion Techniques(Lecture/Observation)</li> <li>3-3 Pollution Control Technologies(Facility Tour)</li> </ol> <p>Step4 &lt;Acquire solutions from specialists for accomplishment of tasks in home country&gt;</p> <p>Step5 &lt;Action Plan Presentation and Verification of Manifested Effects of Training&gt;..Follow-up by JICA-GEC Network</p>	IMPLEMENTING PARTNER	OSAKA PREFECTURAL GOVERNMENT, DEP. OF ENVIRON.&Agri.
	JICA CENTER	Osaka International Center
	COOPERATION PERIOD	2001 ~ 2005
	REMARKS	Participants are required to bring some photos, slides, or datas of examples of hazardous substances pollution









Seminar on Evaluation of Japan's ODA Loan Projects 円借款プロジェクト評価セミナー		Multi-participants Multi-year J0600833	
Target Countries: Recipient countries of Japan's ODA Loan		Aid Approach—Aid Effectiveness / Aid Modalities 17 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>The objective of the program is to develop evaluation capacity of counterpart organizations of development projects (esp. Yen loan projects) in developing countries.</p> <p>1. As the output of the seminar, participants will draft an action plan on how to develop the capacity of their organizations in monitoring and evaluation.</p>	<p>1) Officials who are responsible for yen loan-financed project evaluation in governmental or equivalent organizations, 2) University graduates or equivalent</p>		
CONTENTS	PROGRAM PERIOD	Oct.15.2006 ~ Nov.4.2006	
<p>(1) Outline of JBIC evaluation (2) JICA evaluation of technical cooperation projects (3) Project Cycle Management (4) International Organization Evaluation methods (5) Outline of the system of policy evaluation (6) Case study of an evaluation of Yen loan projects (7) Drafting and presentation of Action Plan (8) Introduction of a scheme for supporting post- evaluation capacity development (9) Field visit</p>	IMPLEMENTING PARTNER	Japan Bank for International Cooperation (JBIC)	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2006 ~ 2010	
	REMARKS		

Seminar for JBIC's Official Financial Cooperation 公的資金協力セミナー		J0600835	
Target Countries: Recipient countries of Japan's ODA Loan		Aid Approach—Aid Effectiveness / Aid Modalities Governance—Other Governance Issues 18 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>Participants are expected to achieve the subjects below, with a view to utilizing Japanese ODA Loans effectively.</p> <p>1) Analysis of institutional issues which have hampered effective utilization of Japan's ODA loans in participants' countries 2) Proposal of action plan to address the issues analyzed in 1) above. 3) Final presentation on formulated action plan at the end of the seminar *Participants are also requested to report on the said plan to corresponding government in each country after the seminar.</p>	<p>(1) Above division chief in a competent government authority, presently engaged in, and expected to continuously engage in the administration of Japan's ODA loans (2) Have work experience of at least 3 years in the field of foreign aid receiving development project</p>		
CONTENTS	PROGRAM PERIOD	May.30.2006 ~ Jun.10.2006	
<p>1. Lectures and Discussions (1) Outline of Japan's ODA (2) Project Cycle and Relevant Issues of Japanese ODA Loans (3) Collaboration between ODA Loans and Technical Cooperation in Japan (4) International Financial Operations (5) Others (Discussion with JBIC country officers.) (6) Country Report Session 2. Observation trip Field trip to economic/social infrastructure facility for the purpose of acquiring the knowledge on Japan's technology and know-how</p>	IMPLEMENTING PARTNER	Japan Bank for International Cooperation (JBIC)	
	JICA CENTER	Tokyo International Center	
	COOPERATION PERIOD	2003 ~ 2007	
	REMARKS		



Target Countries: Recipient countries of Japan's ODA Loan in environmental improvement and

OBJECTIVE	TARGET ORGANIZATION / GROUP	
At the end of the program, participants of this seminar are expected to formulate draft proposals for solving current problems in ongoing ODA loan projects or developing new ODA loan projects in environmental improvement and anti-pollution measures, and to the extent possible, carry out the proposals in order to contribute to pollution control and environmental improvement in their own countries.	(1) Have occupational experience in, or be going to be engaged in JBIC's ODA loans for environmental improvement and anti-pollution measures (2) Have 5 years or more of occupational experience in the field of environment including anti-pollution measures, at environmental department/institution of central/local government (3) 30-45 years old	
CONTENTS	PROGRAM PERIOD	Aug.27.2006 ~ Sep.16.2006
The following major subjects will be covered in the seminar: (1) JBIC's assistance for environmental improvement (2) Country report presentation and discussion (3) Japan's experience of pollution prevention and environmental improvement (4) Individual consultations with JBIC country officers/departments (5) Formulation and presentation of draft proposal for solving current problems in ongoing ODA loan projects or developing new ODA loan projects in environmental improvement and anti-pollution measures (* Draft proposal should be presented in the participants' organizations and further elaborated as necessary after participants go back to their countries)	IMPLEMENTING PARTNER	Japan Bank for International Cooperation (JBIC)
	JICA CENTER	Tokyo International Center
	COOPERATION PERIOD	2003 ~ 2007
	REMARKS	Applications from recipient organizations of ongoing or prospective JBIC project(s) in env.improvement /anti-pollution measures are highly appreciated.





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