

PLANT VARIETY PROTECTION(PLANT BREEDER'S RIGHTS) 植物育成者権保護		9 participants J0403493	
OVERALL GOAL / PURPOSE	<p>This course gives the participants the idea how to apply the UPOV system to their own countries. The followings are three major components of this training program;</p> <p>(1)to understand the outline of plant variety protection (plant breeders' rights) system under UPOV and Japanese System (2)to learn the Japanese way of examination of applied plant varieties for the registration of plant variety protection (3)to learn how to set up test guidelines used for the examination</p>	QUALIFICATION OF APPLICANT	
		(1) staff who is engaged or will be engaged in plant variety protection (2) university graduate or equivalent academic background (3) between 30 and 45 years of age	
COURSE CONTENTS	<p>This course consists of lectures, practices, study tours, presentations and discussions. It mainly covers;</p> <p>(1)Outline of Plant Variety Protection System (Outline of PBR System in Japan, Outline of UPOV System, Ordinance of PBR in the Legal Bases, Implementation of PBR System in Developing Countries and its Application for the Facilitation of the Market Economy, International Harmonization of PBR System, etc.) (2)Examination of Applied Plant Varieties (Outline of DUS Test, Growing Test, On Site Inspection, Documentary Examination, Simulation of Applied Plant Variety for the PBR Registration, etc.) (3)How to Set up Test Guidelines (UPOV and Japanese protocol of making test guidelines, Making Test Guidelines based on Each Country's Preference, etc.)</p>	DURATION	Aug. 10, 2004 ~ Oct. 23, 2004
		LANGUAGE	COOPERATION PERIOD
		English	2000 ~ 2004
		TRAINING INSTITUTIONS	
		NATIONAL CENTER FOR SEEDS AND SEEDLINGS	
		JICA CENTER	
		Tsukuba International Center	
		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		8 participants J0400758	
OVERALL GOAL / PURPOSE	<p>Through this training course participants are able to learn advanced cases (biogas, sunlight and/or wind power clean energy) related with control and reutilization of excess wastes arise from agriculture and livestock industry approached in Hokkaido Tokashi where based on large scale upland and dairy farming. The objective is to develop human resources who are able to operate applicable zero emission-type agriculture & environmental system for rural area in both aspects of system and technology by learning above cases.</p>	QUALIFICATION OF APPLICANT	
		(1)be professional engineers or administrative officers in a position of leadership to deal with resolution of agricultural/environmental issues after the return (2)be engaged in the field in public institutions or farmers' organizations (3)be mid-level officers and engaged in agricultural and environmental issues for more than 5 years.	
COURSE CONTENTS	<p>This training course consists of lectures, discussions and observations on following subjects.</p> <p>(1) Environmental issues related with agriculture and rural community activities. (soil depletion, water pollution, green house gas emissions etc.) (2) Control and reutilization techniques of excess wastes related with agricultural activities. (biogas, sunlight and wind generated electricity etc.) (3) Control and utilization system of excess wastes related with agriculture activities. (4) Action plan preparation</p>	DURATION	Feb. 13, 2005 ~ Apr. 22, 2005
		LANGUAGE	COOPERATION PERIOD
		English	2003 ~ 2007
		TRAINING INSTITUTIONS	
		OBIHIRO UNIV. OF AGRICULT. & VETERINARY MEDICINE	
		JICA CENTER	
		Hokkaido International Center, Obihiro	
		REMARKS	
		Nomination Forms without job report will not be duly considered.	

AGRICULTURAL INFORMATION SYSTEM TECHNIQUES 農業情報システム		8 participants J0403520	
OVERALL GOAL / PURPOSE	<p>This course aims to develop human resources in agricultural information services(excluding management and market information) that will contribute to the improvement of agricultural production technology by utilizing agricultural information system in various fields of agriculture in developing countries.</p>	QUALIFICATION OF APPLICANT	
		Applicant has a position in an official institution, and collect and process agricultural data with three years of experience in this field, has mastered the basic computer operation, has considerable knowledge in processing information, and is over twenty-five (25) and under thirty-five (35) years of age.	
COURSE CONTENTS	<p>The following major subjects will be covered on the course;</p> <p>(1) outline of agricultural related information processing : information security and operation and management of systems, introduction of network system (2)Exercise on : Excel/VBA and Access (3)Guidance and practice on individual task</p>	DURATION	Jan. 23, 2005 ~ Apr. 24, 2005
		LANGUAGE	COOPERATION PERIOD
		English	2001 ~ 2005
		TRAINING INSTITUTIONS	
		FUJITSU HIGASHI-HOKKAIDO SYSTEMS ENG. LIMITED	
		JICA CENTER	
		Hokkaido International Center, Obihiro	
		REMARKS	
		Nomination Forms without job report will not be duly considered.	

AGRICULTURAL EXTENSION PLANNING AND MANAGEMENT 農業普及企画管理者		10 participants J0400648	
OVERALL GOAL / PURPOSE	(1) to understand the outline and principles of extension service in Japan, (2) to understand the basic concept of extension service to help them in planning and managing such service and in providing extension officers as well as field workers with practical training, (3) to acquire the ability to improve extension personnel, and (4) to identify problems and tasks by analyzing the state of agricultural extension service in their own countries and to establish the effective action plan	QUALIFICATION OF APPLICANT	
COURSE CONTENTS The following subjects are included through lectures, discussions and observation tours (1) Background of Extension Programs (2) Outline of Agricultural Improvement and Extension Programs (3) Planning, Administration & Management of Extension Service (4) Strengthening Education Aimed at Extension Officials & Staff Members (5) Application of the Training in Participants' Own Countries		DURATION May. 5, 2004 ~ Jul. 17, 2004	
		LANGUAGE English	COOPERATION PERIOD 2000 ~ 2004
		TRAINING INSTITUTIONS MINISTRY OF AGRICULTURE, FORESTRY AND FISHERIES	
		JICA CENTER Tsukuba International Center	
		REMARKS	

THE ROLE OF AGRICULTURAL COOPERATIVES TO BE PLAYED IN ACTIVATION OF RURAL ECONOMY 農村経済活性化に果たす農協の役割		13 participants J0400656	
OVERALL GOAL / PURPOSE	This training course aims to help upgrade the capacity and abilities of middle-cadre government officers engaged in cooperative development by imparting them necessary knowledge and information on the role and functions of agricultural cooperative for the revitalization of rural community.	QUALIFICATION OF APPLICANT	
COURSE CONTENTS This course consists mainly of lecture/discussion with more than 30% of its program being allocated to field trip. Main topics to be dealt with are: (1) ways to strengthen agricultural cooperatives as well as to step up agricultural production by promoting the activities of the members' organizations including farm management group, (2) cooperative activities for improvement of life of the members and their families through better living activities, (3) method of performing democratic control, operation and management of agricultural cooperatives, (4) method of formulating the long term perspective plans being drafted by agricultural cooperatives, and (5) ways to promote rural development with agricultural cooperatives.		DURATION May. 11, 2004 ~ Jul. 11, 2004	
		LANGUAGE English	COOPERATION PERIOD 2000 ~ 2004
		TRAINING INSTITUTIONS THE INST. FOR THE DEV'T OF AGRICULT'L COOP. IN ASIA	
		JICA CENTER Hachioji International Center	
		REMARKS	

AGROBIOTECHNOLOGY アグロバイオテクノロジー		8 participants J0400700	
OVERALL GOAL / PURPOSE	The purpose of the course is to provide expert who majored in biotechnology and bioscience, mainly in the fields utilizing livestock, higher plants and microorganisms, in a university or the equivalents with fundamental and practical knowledge and techniques to make best use of bio-resources in the Agrobiotechnology (livestock, higher plants, microorganisms) field in which continuous technological innovations and higher applicabilities are expected in the near future.	QUALIFICATION OF APPLICANT	
COURSE CONTENTS In this course, the emphasis is put on introduction of fundamental and practical knowledge on the following subjects through lectures, practices and study tours. (1) lectures: (a) general review of biotechnology, (b) clones and propagation of animals and plants, (c) gene mapping by molecular makers in breeding program of microorganisms, (d) stress response and cellular signal transduction, (e) genetic engineering, (f) screening of immunopotential activities in food components, (g) diagnostic analysis of pathogenic bacteria, (h) bio-remediation of environmental contaminants by microorganisms and their screenings and genetic modifications (i) bio-diversity, conservation and sustainable development. (2) laboratory works: corresponding to lectures (b)-(h). (3) observation tours: observation of institutes concerned with crop genes, application of microbial activities, etc.		DURATION Mar. 21, 2005 ~ Aug. 13, 2005	
		LANGUAGE English	COOPERATION PERIOD 2000 ~ 2004
		TRAINING INSTITUTIONS FACULTY OF AGRICULTURE, KOBE UNIVERSITY	
		JICA CENTER Iyogo International Center	
		REMARKS A compulsory intensive Japanese language course will be conducted prior to the technical training for 40 hours.	

RICE RESEARCH TECHNIQUES II 稲研究II		6 participants J0400771	
OVERALL GOAL / PURPOSE	The purpose of this course is to foster researchers who can contribute toward resolving problems of rice cultivation in recipient countries through designing and implementation of the research, and analysis of the result.	QUALIFICATION OF APPLICANT	
		(1)presently engaging in the research work or education in the field of rice (2)university graduate or equivalent background (3)between 25 and 35 years of age, and having over 3 years' experience in above mentioned (The objective of this course is to foster especially younger researchers.)	
		DURATION	
		Feb. 1, 2005 ~ Nov. 25, 2005	
COURSE CONTENTS	This course consists of three major components; lecture, experiment and field practice, and study tour.	LANGUAGE	COOPERATION PERIOD
	CONTENTS (1)Rice Cultivation Technology; Agriculture and Rice Cultivation in Japan, High Yielding and Sustainable Rice Cultivation, Management of Cultivation, Diagnostic Techniques, etc. (2)Basic Theory and Applied Technology; Rice Morphology, Rice Physiology and Ecology, Soil Environment and Physiology of Plant Nutrition, Rice Breeding, Weed Control, Diseases and Insect Pests of Rice, etc. (3)Individual Experiments Making Report and Presentation of Experimental Results, Statistical Analysis, Data Collection Method, etc. Especially, individual experiments are regarded as the utmost importance.	English	2003 ~ 2007
		TRAINING INSTITUTIONS	
		TSUKUBA INTERNATIONAL CENTRE,JICA	
		JICA CENTER	
		Tsukuba International Center	
		REMARKS	
		A compulsory intensive Japanese language course will be conducted prior to the technical training for two weeks (25 hours).	

BREEDING AND ARTIFICIAL INSEMINATION TECHNOLOGY FOR CATTLE 牛育種・人工授精技術		8 participants J0400714	
OVERALL GOAL / PURPOSE	The purpose of this course is to provide participants with basic knowledge and practical techniques coupled with the latest information on cattle breeding, know how of AI and its administration system and thus to assist them in designing their own systems in their respective countries.	QUALIFICATION OF APPLICANT	
		Be engaged in administration, research and/or extension works on livestock industry, holding veterinarians license or artificial inseminators license. University graduate or equivalent academic background and practical experiences. Under 40 years of age. Not pregnant.	
		DURATION	
		Jun. 22, 2004 ~ Sep. 26, 2004	
COURSE CONTENTS	The course 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; (1) Outline of livestock industry (2) Cattle breeding (3) Artificial insemination and reproductive physiology (4) Reproduction management (5) Embryo transfer technology	LANGUAGE	COOPERATION PERIOD
		English	2001 ~ 2005
		TRAINING INSTITUTIONS	
		NATIONAL LIVESTOCK BREEDING CENTER	
		JICA CENTER	
		Nihonmatsu Training Centre(NTC)	
		REMARKS	

TECHNICAL TRAINING COURSE FOR DIAGNOSIS OF BOVINE SPONGIFORM ENCEPHALOPATHY 牛海綿状脳症 (BSE) 診断技術研修		8 participants J0400761	
Target Region : Asia			
OVERALL GOAL / PURPOSE	The targets of the course are veterinarians who are presently engaging in the research activities on animal health. The course is conducted to become possible to make accurate diagnosis through the four way of BSE diagnosis techniques.	QUALIFICATION OF APPLICANT	
		(1) Presently engaging in the research activities on animal health (2) with 3years of experience in relative field (3) over 25 years old and under 40 years old (4) graduated from university or with equivalent knowledge (5) with veterinary license	
		DURATION	
		Nov. 8, 2004 ~ Nov. 19, 2004	
COURSE CONTENTS	• Lectures on animal health administration and BSE diagnosis • Practical training by four type of BSE diagnosis techniques	LANGUAGE	COOPERATION PERIOD
		English	2003 ~ 2007
		TRAINING INSTITUTIONS	
		NATIONAL INSTITUTE OF ANIMAL HEALTH (NIAH)	
		JICA CENTER	
		Tsukuba International Center	
		REMARKS	

OISCA FARMERS DEVELOPMENT TRAINING COURSE オイスカ農業者育成研修		18 participants J0400724	
Target Region : Countries which have OISCA's overseas office			
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
By the end of the training period, the participants are expected to be able to understand the techniques of Rice cultivation, Vegetable production, Fruit production, Land improvement, Basic methods of land survey, and Handling and daily care of agricultural machinery. This training course is focused on the acquirement of the specific skills or techniques rather than on obtaining lecture-oriented knowledge.	(1) Agricultural staff members or those who are engaged in agriculture as progressive farmers with occupational experience of more than two years in their specialties (2) High school Graduates and between twenty (20) and thirty (30) years of age (3) have strong willingness to engage in agriculture into the future		
COURSE CONTENTS	DURATION		
(1) Rice cultivation, (2) Vegetable production, (3) Fruit production, (4) Land improvement, (5) Basic methods of land survey, and (6) Handling and daily care of agricultural machinery.	Jan. 18, 2005 ~ Dec. 17, 2005		
	LANGUAGE	COOPERATION PERIOD	
	Japanese	2002 ~ 2006	
	TRAINING INSTITUTIONS		
	OISCA		
	JICA CENTER		
	Chubu International Center		
	REMARKS		
	Intensive Japanese Language Training 410 hours *As this training course is practiced in Japanese, it is essential to master Japanese conversation.		

EMBRYO TRANSFER TECHNOLOGY FOR DOMESTIC ANIMAL 家畜受精卵移植技術		8 participants J0400751	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
The purpose of the course is to provide the latest ET technique in Japan for livestock breeding technician in countries faced with the necessity of it, and ultimately to contribute to the progress of animal industry by the application and improvement of the techniques under their respective countries condition. The course provides basic theory and practical of ET for bovine as well as its administration.	Hold veterinarians license or artificial inseminators license, and have sufficient knowledge and at least 3 years practical experience in AI or ET for bovine. University graduate or equivalent academic background. Over 27 and under 40 years of age. Not pregnant.		
COURSE CONTENTS	DURATION		
The course 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 livestock industry (2) Reproductive physiology (3) Embryo transfer technology (4) Cryopreservation of embryos (5) Embryo transfer technology applications (6) ET-related technologies	Feb. 22, 2005 ~ May. 29, 2005		
	LANGUAGE	COOPERATION PERIOD	
	English	2002 ~ 2006	
	TRAINING INSTITUTIONS		
	NATIONAL LIVESTOCK BREEDING CENTER		
	JICA CENTER		
	Nihonmatsu Training Centre (NTC)		
	REMARKS		

IRRIGATION AND DRAINAGE FOR RURAL DEVELOPMENT かんがい排水・農村開発		11 participants J0400682	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
The purpose of this course is to introduce scientific knowledge and technology of the irrigation and drainage schemes to irrigation and drainage engineers of being up to middle level who are engaged in agricultural development works.	(1) irrigation and drainage engineers, presently engaging in practical works (2) university graduate or equivalent with occupational experience of more than five years in their field (4) between 25 and 35 years of age		
COURSE CONTENTS	DURATION		
In this course, the emphasis is put on practices and related lectures. The main practices are : (1) soil mechanics (2) hydraulics (3) concrete (4) irrigation water requirement (5) survey	Feb. 8, 2005 ~ Nov. 19, 2005		
	LANGUAGE	COOPERATION PERIOD	
	English	2000 ~ 2004	
	TRAINING INSTITUTIONS		
	TSUKUBA INTERNATIONAL CENTRE, JICA		
	JICA CENTER		
	Tsukuba International Center		
	REMARKS		

OPERATION AND MANAGEMENT OF IRRIGATION CANAL SYSTEMS かんがい用水システム運営管理		8 participants J0403500	
OVERALL GOAL / PURPOSE	This training course is designed for irrigation engineers, particularly for those working for improving water use with existing irrigation facilities, so that they could enhance their knowledge and capabilities in operating and managing canal systems from the view point of efficient and equitable utilization of water resources for sustainable agricultural development in recipient countries.	QUALIFICATION OF APPLICANT	
		(1) be presently engaged in the task of irrigation water management and in principle have over 5 years of occupational experience in this field, (2) be 35 years of age or under, (3) be university graduates or have the equivalent academic background,	
		DURATION	
		Jun. 29, 2004 ~ Nov. 26, 2004	
		LANGUAGE	COOPERATION PERIOD
		English	2001 ~ 2005
COURSE CONTENTS	The participants will be provided various practical information and knowledge through lectures, practices, and field trips and so on in order to achieve the course objectives. (1) Basic Technologies on Irrigation Water Management (2) Operation and Management of Water Resources and Canal Systems (3) Canal System Management (4) Formulation of Technical Report	TRAINING INSTITUTIONS	
		TSUKUBA INTERNATIONAL CENTRE, JICA	
		JICA CENTER	
		Tsukuba International Center	
		REMARKS	

VETERINARY TECHNOLOGY FOR FARM ANIMALS 産養動物の獣医技術		6 participants J0403513	
OVERALL GOAL / PURPOSE	The participants are expected to (1) acquire knowledge of clinical medicine (internal medicine, surgery, reproduction) about animal diseases (mainly cattle). (2) grasp measures of preventive hygiene and prevention of infectious diseases. (3) learn food sanitation measures such as meat inspection and the food sanitation instruction, surveillance, techniques. (4) acquire knowledge on veterinary administration structures including medical institutions, agricultural groups, and research institutions.	QUALIFICATION OF APPLICANT	
		(1) be a veterinarian who handle farm animals (mainly cattle) and have more than 5 (five) years of experience in this field (2) be university graduates with a degree of veterinary medicine or equivalent (3) be under 35 years of age	
		DURATION	
		Aug. 17, 2004 ~ Nov. 21, 2004	
		LANGUAGE	COOPERATION PERIOD
		English	2001 ~ 2005
COURSE CONTENTS	This course covers the following topics. (1) Lecture (a) Dairy and livestock farming in Hokkaido (b) Outline of veterinary system (c) Livestock raising and management (d) Internal medicine for animals, etc. (2) Practice (a) Dairy herd medical examination techniques and nutritional management guidance (b) Diagnosis of diseases, clinical examination and treatment (c) Surgical diagnosis, clinical examination and treatment of animals (d) Reproductive diagnosis, clinical examination and treatment of animals, and (3) Field Trip (a) Dairy farms near Sapporo (b) Horse breeding farms (c) Livestock clinics (d) Meat inspection office, etc	TRAINING INSTITUTIONS	
		HOKKAIDO VETERINARY MEDICAL ASSOCIATION	
		JICA CENTER	
		Hokkaido International Center, Sapporo	
		REMARKS	

AGRICULTURAL MECHANIZATION FOR SUSTAINABLE FARMING SYSTEM 持続型営農機械化システム		12 participants J0403499	
OVERALL GOAL / PURPOSE	Using rice production cycle in Japanese model, through the training program, participants are expected : (1) to deepen their knowledge on characteristics and systems of mechanization of rice production in Japan, (2) to master the mechanisms and operation of small farm machinery in Japan, (3) to be able to make a mechanization plan and its evaluation, and (4) to be able to carry out field performance tests of farm machinery and analyze the results before its introduction to their countries.	QUALIFICATION OF APPLICANT	
		Applicant should: (1) be a government officer (administrative officer, agricultural engineer, agronomist) in charge of farm mechanization with occupational experience of more than three years, (2) be a university graduate or the equivalent, (3) be from 25 to 45 years of age	
		DURATION	
		Feb. 1, 2005 ~ Oct. 30, 2005	
		LANGUAGE	COOPERATION PERIOD
		English	2001 ~ 2005
COURSE CONTENTS	The following major subjects will be covered in the course: (1) Farm mechanization; Effective introduction of machinery (planning, inspection and selection), its utilization, systematic mechanized farming concerned with rice production and maintenance techniques for farm machinery. (2) Farm machinery; Structure, operation and evaluation methods of farm machinery. (3) Subjects related to mechanization; Rice cultivation, land improvement and cooperative use of farm machinery in Japan.	TRAINING INSTITUTIONS	
		TSUKUBA INTERNATIONAL CENTRE, JICA	
		JICA CENTER	
		Tsukuba International Center	
		REMARKS	

Research on Veterinary Technology II 獣医技術研究II		5 participants J0400866
OVERALL GOAL / PURPOSE The targets of course are veterinarians who are presently engaging in the research activities. The course is conducted with a view to nurture the researchers who can play leading role in development of the animal health technology which can contribute to promote the productivity of animal industry in their respective countries.	QUALIFICATION OF APPLICANT (1) presently engaging in the research activities on animal health. (2) with 5 years of experience in relative field (3) over 25 years old and under 40 years old (4) graduated from university or with equivalent knowledge (5) with veterinary	
COURSE CONTENTS (1) General lectures on animal health technology and research methodology (14 days) including BSE diagnosis. (2) Field trips to the institutes and animal husbandry (10 days) (3) Individual research training at the laboratories (5 months) (Subjects: Molecular, Immunohistochemical and Electron Microscopical diagnosis, and Epidemiological analysis on diseases of domestic animals)	DURATION Mar. 22, 2005 ~ Oct. 21, 2005	COOPERATION PERIOD 2004 ~ 2008
	LANGUAGE English	TRAINING INSTITUTIONS NATIONAL INSTITUTE OF ANIMAL HEALTH (NIAH) JICA CENTER Tsukuba International Center
	REMARKS A company intensive Japanese language course will be conducted prior to technical training for one week (25 hours)	

SUSTAINABLE DAIRY FARMING SYSTEM AND RELATED TECHNIQUES 循環型酪農システム		7 participants J0400334
OVERALL GOAL / PURPOSE To provide the principle and the significance of recycling-oriented dairy farming system which is an essential concept upon implementing dairy promotion and rising production quantity in the developing countries. To develop human resources as well as researchers/technicians to be able to plan necessary policies to promote sustainable dairy farming by harmonizing with the environment, and to be able to promote recycling-oriented dairy farming system respectively, by obtaining knowledge and techniques below.	QUALIFICATION OF APPLICANT (1) administrative officer engaged in policy-making, university staff, institute researcher in the field of dairy farming, or director of extension staff of dairy farming techniques, (2) with sufficient knowledge of animal husbandry, (3) university graduates or equivalent, (4) be over 25 and under 40 years of age	
COURSE CONTENTS This course consists of common subjects for all participants and elective specialized subjects. The followings are main items in common subjects. (1) Understand the principle and the significance of recycling-oriented dairy farming system. (2) Acquire knowledge and techniques of the following fields based on the principle of recycling-oriented dairy farming system. <ul style="list-style-type: none"> • Feed production and storage • Environmentally sound sustainable milk production • Sanitary management and disease prevention of dairy cattle • Ensuring safety of dairy products and the HACCP system • Recycling of organic livestock wastes 	DURATION Aug. 8, 2004 ~ Oct. 28, 2004	COOPERATION PERIOD 1986 ~ 2006
	LANGUAGE English	TRAINING INSTITUTIONS OBIHIRO UNIV. OF AGRICULT. & VETERINARY MEDICINE JICA CENTER Hokkaido International Center, Obihiro
	REMARKS Nomination Forms without job report will not be duly considered.	

ADVANCED STUDIES ON PROTOZOAN DISEASES 上級原虫病研究 Target Region : Asia, Africa and Latin America		10 participants J0403476
OVERALL GOAL / PURPOSE The purpose of this course is to promote human resources in the research field of protozoan diseases in participation countries by improving the skills and the competence of participants who are primarily responsible to lay the foundation for the development control measures against the diseases in their respective countries.	QUALIFICATION OF APPLICANT (1) Bachelor of Science or Master of Science Degree in Biology, Zoology or of a related field, or a graduate of Veterinary Medicine or Medical Science. (2) Currently employed as a permanent member of either a private or public institution, and /or research laboratory of an agency. (3) More than 3 years of working experience	
COURSE CONTENTS This course mainly covers the following themes. After lectures of common subjects, all participants are attached to one of the most fitted research laboratory such as the following fields in accordance with the purpose and specialty of each participant. (1) research field of structure and function of protozoan genome (2) research field of hemoprotozoan and related infections (3) research field of African trypanosomosis (4) research field of molecular and cellular immunology against coccidiosis (5) research field of molecular vector-arthropodology *This course is for Researcher or faculty member of University.	DURATION Oct. 31, 2004 ~ Sep. 4, 2005	COOPERATION PERIOD 2000 ~ 2004
	LANGUAGE English	TRAINING INSTITUTIONS OBIHIRO UNIV. OF AGR. & VET. MED., RESEARCH CENTER JICA CENTER Hokkaido International Center, Obihiro
	REMARKS Nomination Forms without job report will not be duly considered.	

SUSTAINABLE USE OF PLANT GENETIC RESOURCES 植物遺伝資源の持続的利用		4 participants J0400770	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
This course is designed to contribute to upgrading knowledge and techniques of the researchers in the field of plant genetic resources, so as to train participants capable of playing leadership roles in plant genetic resources' exploration, collection, conservation, management, evaluation, and especially in utilization for sustainable use of plant genetic resources in their own countries.	(1) university graduate or equivalent non Ph. D. holder (2) presently engaged in research work in the field of plant genetic resources with more than three years of experience (3) over 25 and under 35 years of age		
	DURATION May. 25, 2004 ~ Nov. 21, 2004		
COURSE CONTENTS	LANGUAGE		
This course consists of common subjects(lecture, 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; (1) Characterizations of landraces and wild crop relatives in the genus Oryza and Vigna (2) Molecular genetic diversity and phylogeny of crops and their wild relatives (3) Evaluation of biotics and abiotic stress resistance of genetic resources (4) Cryopreservation of vegetatively propagated crops (5) Characterization and evaluation of fruit tree genetic resources	English		COOPERATION PERIOD 2003 ~ 2007
	TRAINING INSTITUTIONS National Institute of Agrobiological Sciences		
	JICA CENTER Tsukuba International Center		
	REMARKS Including an intensive Japanese language class (25 hours)		

PLANT QUARANTINE(THERMAL TREATMENT FOR THE DISINFESTATION OF FRUIT FLIES) II 植物検疫 (ミバエ類殺虫技術) II		5 participants J0400824	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
Upon completion of the course, participants are expected to; (1)have skill in methods for artificial rearing and parasitoid fruit preparation (2)have an understanding of the principles and techniques of heat treatments (3)have skill the series of procedures for disinfection test for fruit fly and fruit injury test by heat treatment tests (4)have an understanding of the relations between plant quarantine and agricultural product distribution in Japan, (5)have an understanding of the fruit fly eradication techniques and possess collected information on methods for warning against invasions by pests.	(1) presently engaged in the plant quarantine treatments (vapor heat, cold treatment, etc.) (2) university graduate or equivalent (3) experiences in plant quarantine works and sufficient knowledge (4) under 41 years of age		
	DURATION May. 25, 2004 ~ Sep. 9, 2004		
COURSE CONTENTS	LANGUAGE		
This course consists of lectures, workshop practice and field observation, trips. 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 method of 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	English		COOPERATION PERIOD 2003 ~ 2007
	TRAINING INSTITUTIONS NAHA PLANT PROTECTION STATION, MIN. OF AGRICULTURE		
	JICA CENTER Okinawa International Center		
	REMARKS		

INTEGRATED PEST MANAGEMENT FOR PLANT PROTECTION II 植物保護のための総合防除II		7 participants J0400810	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
(1) Carry out basic and/or practical research on plant protection in their own countries, (2) Devise and carry out an effective integrated control program of pests management in their own countries, (3) Teach the knowledge and technologies obtained to other staffs in their own countries.	(1) technical official presently in charge of plant protection in government or in local bodies or college staffs with three years or more experience in this field; (2) be above 25 and under 35 years of age		
	DURATION May. 24, 2004 ~ Sep. 5, 2004		
COURSE CONTENTS	LANGUAGE		
Lecture: (1)Vulnerable Earth and Needs for Integrated Pest Management for Sustainable Society 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 Trades 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 Biosphere and Bio-diversity: A Role of Agroecosystem(16)Waste Management and Recycle System of Resources Laboratory works to understand basic problems in plant protection	English		COOPERATION PERIOD 2003 ~ 2007
	TRAINING INSTITUTIONS FACULTY OF AGRICULTURE, KOBE UNIVERSITY		
	JICA CENTER Hyogo International Center		
	REMARKS A compulsory intensive Japanese language course will be conducted prior to the technical training for 8 days (40 hours).		

FORAGE CROPS PRODUCTION AND UTILIZATION 飼料作物生産・利用技術		6 participants J0403475	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
The purpose of this course is to provide improved technologies relating to forage crops production and utilization, to participants from developing countries where sustainability in livestock farming is at stake. Participants are expected to acquire knowledge on advanced technology concerning forage crops production, processing and utilization including soil science, pastureland management, feed analysis and animal nutrition, through lectures and excursion study trip.	Be engaged in administration, research and/or extension works on forage and pasture production and/or management. With working experience above mentioned at least 3 years. Between 26 and 40 years old. Not pregnant. University graduate or equivalent academic background.		
COURSE CONTENTS	DURATION		
The course covers various aspects of forage crops production and utilization. The major subjects are as follows; (1) Outline of livestock industry (2) Statistics for breeding and experiment (3) Soil science (4) Animal nutrition (5) Forage crops production and utilization technology (6) Feeding and management (7) Seed production	Mar. 28, 2005 ~ Aug. 7, 2005		
	LANGUAGE	COOPERATION PERIOD	
	English	2000 ~ 2004	
	TRAINING INSTITUTIONS		
	NATIONAL LIVESTOCK BREEDING CENTER		
	JICA CENTER		
	Nihonmatsu Training Centre(NTC)		
	REMARKS		

DETECTION TECHNOLOGY OF PATHOGENS FOR FOOD ANIMALS 畜水産生産現場における病原体検査技術		6 participants J0400800	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
In the interest of food hygiene, hygienic management to ensure the safety of animals (livestock and poultry) as a food source has become an urgent priority worldwide. As a result, conventional systems for hygienic testing of livestock and poultry are being fundamentally revised and new technology developed. In the present course, Japanese latest hygienic management technology for food animals will be introduced to participants from developing countries with the aim of raising technical standards.	Applicants should: (1) be technicians with at least 3 years experience and currently active in research or routine operations in the field (2) be qualified as veterinary surgeons or livestock or poultry inspectors (3) be no more than 35 years old		
COURSE CONTENTS	DURATION		
The course will focus on basic training and especially on practical training. (1) Basic training: parasite testing technology, virus diagnostic technology, pathological testing technology, immunology. Serological testing technology, bacterial testing technology, theory and practice of clinical diagnostic technology (2) Applied training: field observation of livestock and poultry hygienic testing to gain an overall understanding; understanding of field conditions for basic operations (3) General training: (a) lecture on hygiene management theory including HACCP (hazard analysis critical control points) (b) observation of farms and food processing factories in view of the latest theory that ensuring the safety of food animals is a continuous task which must be enforced from farmyard to dinner table (c) elaboration of a comprehensive hygiene management system.	Sep. 19, 2004 ~ Dec. 5, 2004		
	LANGUAGE	COOPERATION PERIOD	
	English	2003 ~ 2007	
	TRAINING INSTITUTIONS		
	COLLEGE OF AGRICULTURE, OSAKA PREFECTURE UNIVERSITY		
	JICA CENTER		
	Osaka International Center		
	REMARKS		

Low Input Agricultural Management System 低投入型農業生産管理システム		8 participants J0400900	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
This course aims to develop human resources capable of acquiring techniques (methods of making effective use of low-level technology also applicable to developing countries) to establish optimum mechanized production systems according to agricultural techniques, field environments and management scales of developing countries and who can provide guidance on low input agricultural production that exerts little burden on the environment.	Engineers and educators engaged in the guidance and dissemination of sustainable agricultural system, crop cultivation and agricultural machinery, have more than three(3) years experience in this field, and are over twenty-five (25) and under thirty-five (35) years of age		
COURSE CONTENTS	DURATION		
This course consists of lectures, practices, discussions and observations on following subjects (1) global environment, world energy, sustainable agriculture, recycling-oriented society, (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, (3) Means of efficient agricultural production, Field environment and agricultural production, Knowledge about the introduction of agricultural machinery, Improvement method for field environment, (4) Utilization and effect of systems, Evaluation method concerning profitability, Knowledge concerning evaluation and improvement of production systems, knowledge about the introduction of agricultural machinery, improvement of production systems and environmental effects.	Jul. 25, 2004 ~ Nov. 7, 2004		
	LANGUAGE	COOPERATION PERIOD	
	English	2004 ~ 2008	
	TRAINING INSTITUTIONS		
	OBIIHIRO UNIV. OF AGRICULT. & VETERINARY MEDICINE		
	JICA CENTER		
	Hokkaido International Center, Obihiro		
	REMARKS		
	Nomination Forms without job report will not be duly considered.		

Soil Diagnosis and Conservation 土壌の診断と保全コース		7 participants J0400850	
OVERALL GOAL / PURPOSE	<p>If soil nutrients are accurately measured through soil diagnosis and proper fertilizer management is ensured based on analytical values, no excessive nutrients remain in soil and no nutrients permeate underground, preventing soil and ground water pollution.</p> <p>In other words, soil diagnosis minimizes adverse effects on the environment and greatly contributes not only to environmental preservation, but also to the establishment of reasonable fertilizing methods and cultivation management methods to improve productivity.</p>	QUALIFICATION OF APPLICANT	
COURSE CONTENTS	<p>(1)Outline and theory of Soil Diagnosis:Formation of Soil, Method of investigation and GIS (2)Application of soil diagnosis:soil improvement and application standards for fertilizers, soil Soil map making, Soil profile survey, Soil sampling (3)Soil Analysis method for chemical properties and its application (4)Physical properties of soil and its application (5)Soil improvement techniques:Effective use for swage sludge/organic waste (6)Environmental conservation:Water quality analysis and heavy metal analysis in soil</p>	DURATION	
		May. 16, 2004 ~ Aug. 8, 2004	
		LANGUAGE	COOPERATION PERIOD
		English	2004 ~ 2008
		TRAINING INSTITUTIONS	
		OBIHIRO UNIV. OF AGRICULT. & VETERINARY MEDICINE	
		JICA CENTER	
		Hokkaido International Center, Obihiro	
		REMARKS	
		Nomination Forms without job report will not be duly considered.	

POULTRY PRODUCTION AND MANAGEMENT TECHNOLOGY 鶏飼養管理・生産技術		9 participants J0400826	
OVERALL GOAL / PURPOSE	<p>The purpose of this training course is to transfer the knowledge and technique concerning poultry to the technical officials who are in charge of poultry industry in their own countries. It should be particularly emphasized that the course will train leading technical experts who are in charge of improving poultry production and management.</p>	QUALIFICATION OF APPLICANT	
COURSE CONTENTS	<p>The course 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 (2) Reproduction and Genetic Improvement (3) Nutrition and Feed (4) Feeding and Management (5) Health Control (6) Marketing (7) Planning Poultry Production and Management</p>	DURATION	
		Sep. 7, 2004 ~ Dec. 12, 2004	
		LANGUAGE	COOPERATION PERIOD
		English	2003 ~ 2007
		TRAINING INSTITUTIONS	
		NATIONAL LIVESTOCK BREEDING CENTER	
		JICA CENTER	
		Nihonmatsu Training Centre(NTC)	
		REMARKS	

FARM MACHINERY TESTING FOR FARM MECHANIZATION 農業機械評価試験		8 participants J0403473	
OVERALL GOAL / PURPOSE	<p>The purpose of this course is to systematically introduce the knowledge and techniques required for the testing and evaluation of farm machinery. By the end of the training period, the participants are expected to be able to:</p> <p>(1)use test equipment/facilities and understand testing and evaluating technologies. (2)set up and manage an official farm machinery testing system with a view to promoting the utilization of farm machinery.</p>	QUALIFICATION OF APPLICANT	
COURSE CONTENTS	<p>In this course, the emphasis is put on the actual testing and evaluating methodology of farm machinery. The actual testing practices are conducted under the authorized testing cord. The main themes are:</p> <p>(1) testing and evaluation of farm machines to determine the performance characteristics, rate of work, durability, safety, ease of operation (2) testing and evaluation method in laboratory and field (3) accurate utilization of testing and measuring instruments (4) data acquisition, data processing and data analyzing by micro-computer (5) farm machinery testing system and administration (6) farm mechanization features (7) study tour to university, research institutes and farm machinery manufacturing companies.</p>	DURATION	
		Mar. 22, 2005 ~ Jun. 19, 2005	
		LANGUAGE	COOPERATION PERIOD
		English	2000 ~ 2004
		TRAINING INSTITUTIONS	
		BIO-ORIENTED TECH. RESEARCH ADVANCE. INSTITUTION	
		JICA CENTER	
		Tsukuba International Center	
		REMARKS	
		A compulsory intensive Japanese language course is conducted prior to the technical training for 7 days (35 hours).	

INTRODUCE GENE MANIPULATION AND BIOINFORMATICS FOR AGRICULTURE 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コース		8 participants J0400799	
OVERALL GOAL / PURPOSE	In the developing countries, the application of biotechnological methods to the plant agricultural sector is expected to be a solution to the many problems currently faced in this area. Through lectures and laboratory practice, course participants will learn the basics of gene manipulation technique and study agrobacterium-based technology for selective breeding of plant cells.	QUALIFICATION OF APPLICANT	
COURSE CONTENTS	In this course, the emphasis is put on laboratory experiments. The main themes are: (1) culture of microorganisms (2) nucleic acid extraction and separation techniques (3) protein purification and antibody production (4) electrophoresis techniques of nucleic acid and proteins (5) transformation methods (6) DNA enzyme treatment techniques (7) detection and identification techniques for transformed products (8) DNA amplification by the PCR method (9) sequence analyses of nucleic acid and protein	DURATION	
		Aug. 9, 2004 ~ Dec. 12, 2004	
		LANGUAGE	COOPERATION PERIOD
		English	2003 ~ 2007
		TRAINING INSTITUTIONS	
COLLEGE OF AGRICULTURE, OSAKA PREFECTURE UNIVERSITY		JICA CENTER	
Osaka International Center		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		16 participants J0400755	
OVERALL GOAL / PURPOSE	This course is designed to promote the capacity building of administrative personnel concerning irrigation development project. Subjects on survey, planning, implementation, operation and maintenance and water management from the view point of sustainable irrigation development are dealt with.	QUALIFICATION OF APPLICANT	
COURSE CONTENTS	(1) to understand the background on agriculture, irrigation and water resources development in Japan, (2) to understand the trend and direction on Japanese overseas technical cooperation in the field of agriculture, irrigation and water resources development. (3) to understand the procedure of irrigation development project in Japan and acquire the information on survey, planning, implementation and management of irrigation development project in Japan. (4) to understand the concept of Participatory Irrigation Management for the purpose of effective water resources usage (5) to analyze the problem on respective countries in terms of irrigation development and to present the action plan for project management in the future.	DURATION	
		May. 18, 2004 ~ Jul. 31, 2004	
		LANGUAGE	COOPERATION PERIOD
		English	2002 ~ 2006
		TRAINING INSTITUTIONS	
Not Fixed		JICA CENTER	
Tsukuba International Center		REMARKS	

SEMINAR ON AGRICULTURAL AND RURAL DEVELOPMENT 農村振興セミナー		7 participants J0400840	
OVERALL GOAL / PURPOSE	Agricultural and farming villages in Hokkaido, which value rural area promotion measures, have developed on the premises of "small-scale industrial promotion", "community building" as well as agricultural promotion measures focusing on technical fields ranging from farmland reclamation to productivity improvement. The course of the development, successful measures that have addressed a great number of challenges and problems thus far and case examples of activities are considered to have many things in common with those for regional development in developing countries.	QUALIFICATION OF APPLICANT	
COURSE CONTENTS	Lecture : • Agricultural History in Hokkaido, Regional promotion or rural development, Agricultural cooperative association, Agricultural loan system Women's role in agricultural farm, Farm accounting, Project Cycle Management (PCM) Method, etc Field study : • Horokanai Town, Hokuryu Town, Takasu Town, Japan Agricultural Cooperatives (JA) branch office, Agricultural extension service centre Agricultural machine maker, Wholesale market, Supermarket, etc Presentation: Presentations by participants, Country Report, Case study of agricultural rural development, Final Report, etc	DURATION	
		Jul. 20, 2004 ~ Aug. 29, 2004	
		LANGUAGE	COOPERATION PERIOD
		English	2004 ~ 2008
		TRAINING INSTITUTIONS	
Hokkaido International Agricultural Exchange Assoc		JICA CENTER	
Hokkaido International Center, Sapporo		REMARKS	

Agricultural Infrastructure Improvement in Upland Crops Area 畑地帯における農業基盤整備		8 participants JO400903	
OVERALL GOAL / PURPOSE	The course is intended to improve knowledge and skills in general surveying, planning, designing and construction management for land improvement projects for dry fields, by focusing on actual cases of land improvement projects (irrigation, drainage, agricultural land improvement, disaster prevention) implemented for dry fields in Japan, particularly in the Tokachi region. Thus, the purpose of the course is to train human resources capable of making pertinent suggestions regarding comprehensive agricultural infrastructure improvement and rural development in their own countries.	QUALIFICATION OF APPLICANT	
COURSE CONTENTS	1)Outline of Agriculture in Japan:Administrative circumstances, Food situation and legal system, Effects of land improvement projects 2)Agriculture in Hokkaido and Tokachi:Organization of agricultural cooperatives, Agricultural machinery, Facilities for processing agricultural products, Broad-based cooperation 3)Projects for improvement of Agriculture and rural areas:Rivers and roads improvement, Agricultural infrastructure improvement and rural development, Survey planning method for national project of agricultural infrastructure improvement and rural development, Planning and design of land reclamation infrastructure 4)Construction work for projects:Constructing material, Construction schedule, Safety measures, Construction management, Implementation of projects and environmental measures 5)New technologies related to agriculture:Use of natural energies, Utilization of artificial satellites, Measures to promote green tourism	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, have more than three (3) years of practical experience, and are over twenty-five(25) and under forty -five(45) years of age	
		DURATION	
		May. 30, 2004 ~ Aug. 22, 2004	
		LANGUAGE	COOPERATION PERIOD
		English	2004 ~ 2008
		TRAINING INSTITUTIONS	
		HOKKAIDO BUREAU, MLIT	
		JICA CENTER	
		Hokkaido International Center, Obihiro	
		REMARKS	
		Nomination Forms without job report will not be duly considered.	

Farm Management of Upland Crops 畑地帯農業管理		10 participants JO400726	
OVERALL GOAL / PURPOSE	This course aims to develop human resources that will contribute to farming management in regional agriculture of developing countries. The Participants of this course will learn the farm management techniques used in Tokachi; one of Japan's leading large-scale upland crops area, by systematically introducing a case of upland farming, collaborating with central government, regional governments, various organizations (e.g., agricultural cooperatives) and producers.	QUALIFICATION OF APPLICANT	
COURSE CONTENTS	During this course, participants should acquire the following: (1) An understanding of the soil improvement, disease/insect damage control methods, and the necessity for environmental considerations in crop production, (2) An understanding of the necessity of growth surveys on crops, and an acquirement of the techniques ensuring high-yielding ability of crops and harvesting crops in optimal condition, (3) An understanding of methods for collecting and shipping harvested crops, as well as of the necessity for distribution systems, and (4) An understanding of knowledge how to establish dissemination systems of the techniques mentioned above for farm households.	(1) regional government or local public officer engaged in extension service and in the leading position in the regional agriculture, providing guidance on farm management of field crops directly to farm households (2) middle-ranked leading extension service officer providing technical support and guidance to regional agriculture (3)age:30-45	
		DURATION	
		Jun. 6, 2004 ~ Aug. 8, 2004	
		LANGUAGE	COOPERATION PERIOD
		English	2002 ~ 2006
		TRAINING INSTITUTIONS	
		CITY OF OBIHIRO	
		JICA CENTER	
		Hokkaido International Center, Obihiro	
		REMARKS	
		Nomination Forms without job report will not be duly considered.	

Vegetable Cultivation Technology II 野菜栽培技術II		9 participants JO400858	
OVERALL GOAL / PURPOSE	The purpose of this course is to provide those who are presently engaged in vegetable production (such as researchers, training instructors or extension officers) with knowledge and technology related to practical vegetable cultivation in Japan through lectures, experiments, practice, and observation, thereby helping them to promote vegetable production in their respective countries.	QUALIFICATION OF APPLICANT	
COURSE CONTENTS	Through the training programme, participants are expected to acquire knowledge and skills in the following: (1) vegetable cultivation technology for high yield and quality, (2) vegetable seed production technology, (3) technology of vegetable production in sustainable agriculture, (4) socio-economics in vegetable production, (5) experiments, report making and presentation. This course consists of lectures, experiments, practices and observations in study tour. Their proportion are set 1:2:1. Participants will learn the knowledge of vegetable cultivation by lectures, get its technology by experiments and practices and understand practical condition by observations. In addition, group experiments will be conducted by the participants, in order to apply the gotten technology for their countries and to develop the ability of analyzing its result and making report.	Applicants should be 1) presently engaged in vegetable production as researcher, training instructor or extension officer, 2) university graduates or diploma holders with the occupational experience of more than 3 years in their speciality, 3) no doctorate holder and 4) between 25 and 40 age.	
		DURATION	
		Feb. 1, 2005 ~ Nov. 19, 2005	
		LANGUAGE	COOPERATION PERIOD
		English	2004 ~ 2008
		TRAINING INSTITUTIONS	
		TSUKUBA INTERNATIONAL CENTRE, JICA	
		JICA CENTER	
		Tsukuba International Center	
		REMARKS	
		Including an intensive Japanese language class (30 hours)	

JICA-NGO PARTNERSHIP TRAINING COURSE ON PRATICAL PARTICIPATORY RURAL DEVELOPMENT

JICA-NGO連携による実践的参加型村落開発

10 participants J0400805

OVERALL GOAL / PURPOSE

The course aims at facilitating its participants' acquiring ideas and skills for more effective implementation of rural development projects and at contributing to community empowerment (or sustainable and equitable community development). Effective linkages among local government, ODA (JICA), Japanese/International NGOs, local/national NGOs, and community are expected to be fostered as a result of the course.
Participants are also expected to establish networks with Japanese participants for smooth liaison with JICA and Japanese NGOs.

QUALIFICATION OF APPLICANT

- (1) Leaders or project managers of local/national NGOs engaged in rural development projects in their countries
- (2) have at least three (3) years of field experience working for rural development projects,
- (3) with prospects of continuous involvement in the future.

DURATION

Oct. 4, 2004 ~ Nov. 14, 2004

COURSE CONTENTS

The course is discussion-oriented by participatory methodology to share experiences and idea among the participants.
Module 1, Introduction: Ice breaking, Introducing to Japan and history, present situation and problem of community development in Japan including excursion.
Module 2, Experience sharing: Sharing idea and method of community development practically applied in implementing or implemented Projects among the overseas participants as well as Japanese NGOs and JICA.
Module 3, Excursion: planned to visit Hiroshima to share A-bomb experiences
Module 4, Case Study: Case study on participants' Projects
Module 5, Future action: developing an future "Action Plan" and share among the participants
*Participants include Japanese NGO and JICA staff members

LANGUAGE

English

COOPERATION PERIOD

2003 ~ 2007

TRAINING INSTITUTIONS

KANSAI NGO COUNCIL

JICA CENTER

Osaka International Center

REMARKS

Several government officials engaged in programmes in partnership with NGOs might be selected, considering the ratio of NGO staff and government officials.

Rural Development for Small-scale Farmers through the Agricultural Cooperatives Activity

総合農協活動を通じた農村開発 (アジア地域)

Target Region: Asian Countries

10 participants J0400902

OVERALL GOAL / PURPOSE

- Upon completion of the course, participants are expected to:
- (1) understand the development history of agricultural cooperative association movement in Japan
 - (2) understand the general structure, role and activities, and management of Agricultural Cooperatives
 - (3) understand Farm Guidance cooperative purchasing and marketing business of Agricultural Cooperatives / thus understand how the cooperatives contribute to the development of individual Farmers and local Agriculture
 - (4) understand the current situation of agriculture in Okinawa and Japan

QUALIFICATION OF APPLICANT

- 1) be engaged in governmental/public institute in charge of agricultural cooperative activities,
- 2) be expected to continue working in the above field in their country after finishing the course,
- 3) be university graduates or equivalent,
- 4) be under thirty-five (35) years of age,

DURATION

Sep. 7, 2004 ~ Dec. 4, 2004

COURSE CONTENTS

- This course consists of lectures, report making and field trips
- (1) Introduction of the agricultural cooperatives in Japan and Okinawa,
 - (2) History of agricultural cooperatives in Okinawa,
 - (3) Farm management,
 - (4) Organization of agricultural cooperatives and amalgamation,
 - (5) Strategy for agricultural cooperative business activity,
 - (6) Membership of agricultural cooperatives,
 - (7) Opinion exchange among agricultural cooperative association partner,
 - (8) Observation, Field Trip etc.
 - (9) Final Report Presentation

LANGUAGE

English

COOPERATION PERIOD

2001 ~ 2005

TRAINING INSTITUTIONS

JA OKINAWA TRAINING CENTER

JICA CENTER

Okinawa International Center

REMARKS

INTEGRATED AGRICULTURE & RURAL DEVELOPMENT THROUGH THE PARTICIPATION OF LOCAL FARMERS II

農民参加による農業農村開発II

9 participants J0403511

OVERALL GOAL / PURPOSE

- This group training course 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.

QUALIFICATION OF APPLICANT

- Applicants should
- (1) be engaged in the field of agricultural and rural development and have more than five(5) years of experience;
 - (2) be university graduates or equivalent;
 - (3) under fifty (50) years of age.

DURATION

Jun. 22, 2004 ~ Aug. 1, 2004

COURSE CONTENTS

- This course 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

LANGUAGE

English

COOPERATION PERIOD

2001 ~ 2005

TRAINING INSTITUTIONS

JAPAN GREEN RESOURCES AGENCY(JGRA)

JICA CENTER

Hokkaido International Center, Sapporo

REMARKS

Natural Environment Conservation

〈自然環境保全〉

MARINE ENVIRONMENT PROTECTION II 海洋環境保全II	
Target Region : Maritime State (Country)	10 participants J0400822
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
Upon completion of the course, the participants are expected to; (1) international framework (UNCLOS, MARPOL 73/78, OPRC, etc.) of marine environment protection (2) outline of the Law Relating to the Prevention of Marine Pollution in Japan (3) overview of JCG (Japan Coast Guard)'s effort for marine environment protection including	1) be university graduates or equivalent, or have the occupational experience of more than five (5) years in the field of Marine Environment Protection, 2) be in Managerial position, or be going to become Managerial position in a few years, 3) presently engage in the above mentioned field as a administrative officer (not engineer), 4) be forty (40) years old or younger
COURSE CONTENTS	DURATION
This course consists of Lectures and Practice. The main themes are; (1) Outline of Japan Coast Guard (2) International Framework of marine environment protection (3) Law enforcement against illegal discharge (4) Outline of oil/water analysis (5) Practic	Sep. 7, 2004 ~ Oct. 17, 2004
	LANGUAGE COOPERATION PERIOD
	English 2003 ~ 2007
	TRAINING INSTITUTIONS
	JAPAN COAST GUARD
	JICA CENTER
	Okinawa International Center
	REMARKS
	Strongly Requirement: an administrative officer (not engineer)

CONSERVATION & SUSTAINABLE MANAGEMENT OF CORAL REEFS サンゴ礁保全	
Target Region : The country which has Coral Reefs' habitat area	7 participants J0400669
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
Upon completion of the course, participants are expect to be able to; 1) understand the system of the sustainable management to keep the balance between the development and the environmental conservation especially of coral reefs, 2) understand the theory and practice on the conservation and sustainable use of coral reefs in Japan and other countries, and 3) understand and acquire knowledge and skills on the research and conservation of coral reefs.	1) be administrative and/or technical official presently engaged in coral reef conservation and/or management administration in central or local government or its attached organization, with practical experience of five (5) or more years, 2) be skilled in snorkeling, 3) be under forty (40) years old,
COURSE CONTENTS	DURATION
This course is consists of lectures, practices, discussions, Report Making/Presentation and observation tours. The following major subjects will be covered in the course: (1) Outline of environment conservation system and activity in Japan (2) Conservation and sustainable management of coral reefs ecosystem (3) Methods of research and conservation of coral reefs area (4) Techniques to produce educational materials (Desk Top Publishing (DTP)) (5) Joint Programme with Mangrove course (See remarks)	May. 25, 2004 ~ Aug. 22, 2004
	LANGUAGE COOPERATION PERIOD
	English 2000 ~ 2004
	TRAINING INSTITUTIONS
	MINISTRY OF THE ENVIRONMENT
	JICA CENTER
	Okinawa International Center
	REMARKS
	Including joint programme with J0400662 "Sustainable Management of Mangrove Ecosystems" course.

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)	
Target Region : Middle and East Europe, Central and East Asia including Bhutan, Nepal	7 participants J0400756
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
This course is designed for middle-class officials in charge of introducing and implementing eco-tourism at administration of nature parks in developing countries to enhance the awareness on conservation of environment and wise use of natural resources based on the idea of Ramsar convention, convention on the world heritage, and the international convention on biological diversity.	(1) Responsible for nature conservation, management and administration of a natural parks and promotion of environmental education (2) Eager to coordinate field activities and environmental Education (3) University graduate or equivalent (4) Be in good health to undergo the field training. Pregnancy is regarded as a disqualifying condition
COURSE CONTENTS	DURATION
(1) understand the systems and ideas on conservation of environment, management and wise use of natural resources, and community development implemented in Japan. (2) understanding the systems, ideas and methods of eco-tourism, be able to draw up applicable plans which meet the objectives of the promotion of international cooperative regarding Ramsar convention, convention on the world heritage, and the international convention on biological diversity for their countries. (3) understanding the importance of environmental education be able to draw up applicable plans for their countries	Aug. 15, 2004 ~ Oct. 3, 2004
	LANGUAGE COOPERATION PERIOD
	English 2002 ~ 2006
	TRAINING INSTITUTIONS
	KUSHIRO INTERNATIONAL WETLAND CENTRE
	JICA CENTER
	Hokkaido International Center, Obihiro
	REMARKS
	Nomination Forms without job report will not be duly considered.

Conservation, Restoration and Wise-use of Wetland Ecosystems and their Biological Diversity 湿地における生態系・生物多様性とその修復・再生及び賢明な利用		6 participants J0400865	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
This course on Conservation of Wetland Ecosystems and the Biological Diversity is designed to enhance professional knowledge and techniques required for middle-class government technical officials, who are in charge of conservation of wetland ecosystems and the biological diversity. The course also intends to contribute to the promotion of international conservation, in pursuit of site-specific conservation, management and wise use of wetland and conservation of the biological diversity.	engaged in measures for the conservation of wetland environments and biodiversity, the repair and restoration of ecosystems, wise use of natural resources, etc., middle-ranking administrator including engineers in central/regional governments, experience in this field between 3 and 8 years, univ. graduate or equivalent, sufficient command of English, in good health.		
	DURATION		
COURSE CONTENTS	May. 11, 2004 ~ Jun. 25, 2004		
	LANGUAGE	COOPERATION PERIOD	
The curriculum consists of the following four parts: (1)method of survey on wetland environment and biodiversity conservation and methods of database construction, utilization and maintenance. (2)concerning the Ramsar Convention. (3)concerning repair and restoration related to biological changes of Ramsar Convention wetlands and wildlife habitats. (4)wise use of wetland environments and natural resources.	English	2004 ~ 2008	
	TRAINING INSTITUTIONS		
	KUSHIRO INTERNATIONAL WETLAND CENTRE		
	JICA CENTER		
Hokkaido International Center, Obihiro			
REMARKS			
Nomination Forms without job report will not be duly considered.			

ENVIRONMENTAL MANAGEMENT OF REGIONAL DRAINAGE BASIN 地域流域環境管理II		8 participants J0400765	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
Fundamental concepts and techniques for comprehensive management of drainage basin environments, which involves the management of riparian environments from headwaters to estuaries and coastal areas for each drainage basin, are presented from various angles and standpoints. The course is aimed at fostering human resources who fully understand the concept of natural environment conservation, which enables sustainable development in regional drainage basins, and are capable of formulating policies and plans for the management of drainage basin environments.	(1)administrative and technical officer, a planner, a researcher, or an educator engaged in improvement, development and research activities of Drainage basin environmental management, (2)background such as : geography, geomorphology, hydrology, ecological conservation, water management, soil conservation		
	DURATION		
COURSE CONTENTS	May. 9, 2004 ~ Jul. 25, 2004		
	LANGUAGE	COOPERATION PERIOD	
This course includes the curriculum such as below; (1) lectures; Basic concept of Regional Drainage Basin Environmental Management, GIS System, Hydrological Cycle, The relation Forest Management and Landscape Ecology, Flood Control, Water quality contamination in agriculture, industry, fishery, groundwater and relation with residents, (2) Practices; Water supply system, Water sewage system (3) Observation; Satsunai river dam, Improvement of Obihiro river basin, Irrigation dam, Minamata disease Museum, NGO in Okinawa etc. (4) Discussion; (subject, environmental conservation in the view of regional drainage basin with residents' volunteers and NGOs as well as JICA Projects) (*notice; These subject has possibility to change in detail)	English	2003 ~ 2007	
	TRAINING INSTITUTIONS		
	Hokkaido University		
	JICA CENTER		
Hokkaido International Center, Obihiro			
REMARKS			
Nomination Forms without job report will not be duly considered.			

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人材育成研修		10 participants J0400843	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
Upon completion of the course, the participants are expected to; (1)gain the knowledge and skills necessary to plan and manage eco-tourism in a locality (2)understand the eco-tourism implementation system such as human resource development, utilization, etc. in Okinawa (3)understand the resource distribution survey and arrangement method used in Okinawa (4)prepare and make a presentation of eco-tour program using area resources (5)prepare and make a presentation of action programme	1)a) be presently engaged in eco-tourism planning and management at a governmental or public organization in charge of tourism development, or b) be presently engaged in eco-tourism planning and management at an NGO in collaboration with governmental organization in charge of nature conservation, 2) be 35 years of age or younger,		
	DURATION		
COURSE CONTENTS	May. 11, 2004 ~ Jul. 11, 2004		
	LANGUAGE	COOPERATION PERIOD	
This course consists of Lectures, Report Making, and Field Trips. 1) Lectures • tourism development and environmental protection • natural resource and its conservation & utilization • historical, cultural, traditional resource • resource exploitation and presentation 2) Practice/ Presentation 3) Study tours and observations	English	2004 ~ 2008	
	TRAINING INSTITUTIONS		
	Okinawa Environment Club		
	JICA CENTER		
Okinawa International Center			
REMARKS			
* have basic skill in operation of Computer/Digital Camera sufficiently			

CONSERVATION AND SUSTAINABLE USE OF TROPICAL MARINE BIOLOGICAL DIVERSITY 熱帯海洋生物多様性の保全と持続的利用技術	
Target Region : Pacific countries and South-east Asian countries	5 participants J0400735
OVERALL GOAL / PURPOSE Through the training programme, participants are expected: (1)to acquire knowledge necessary to become specialists who can conduct basic research about the conservation of biodiversity and its sustainable use. (2)to familiarize with research procedures or experimental techniques concerning marine biotechnology by having them participate in actual work performed at the laboratories of the training institution.	QUALIFICATION OF APPLICANT (1)be a 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, (3)be under 40 years of age
COURSE CONTENTS This course is consisted of research at the labs and study tours. Each participants will belong to one of the following 5 research groups to participate in the research programme conducted at the institute. Research theme at the fiscal year 2003 (as a reference) 1)isolation, identification and characterization of marine microorganism 2) Biological environmental remediation schemes 3) Novel metal-tolerant bacteria 4) Biologically active compounds from marine bacteria 5) Functional analysis of metabolic genes derived from marine bacteria	DURATION Oct. 12, 2004 ~ Jul. 25, 2005 LANGUAGE English COOPERATION PERIOD 2002 ~ 2006 TRAINING INSTITUTIONS MARINE BIOTECHNOLOGY INSTITUTE CO.,LTD. JICA CENTER Tohoku Branch Office REMARKS

SYSTEM OF ENVIRONMENT MANAGEMENT OF ENCLOSED COASTAL SEAS 閉鎖性海域の水環境管理技術	
	6 participants J0400673
OVERALL GOAL / PURPOSE This is designed to provide the officials in administrative bodies which are engaged in the environmental management of enclosed coastal seas with the following aspects:1) technical knowledge related to environmental management strategies specifically applied to Seto Inland Sea, which would give the participants opportunities to examine possible applicabilities of these strategies to their countries. 2) an opportunity in which the participants can discuss with JPN experts in environment field & exchange views & opinions	QUALIFICATION OF APPLICANT (1)presently engaged in the administrative bodies who are presently engaged in the environmental management of enclosed coastal seas,(2)univ.graduates and/or have practical experience of more than 5 years as an administrator in the field of environmental management of enclosed coastal seas, (3)26-40 years of age
COURSE CONTENTS Lectures: (1)GENERAL VIEW 1)Definition and Characteristics 2)Social aspects, (2)PHENOMENA & MECHANISM OF WATER POLLUTION 1)General information 2)Tidal flow, (3)ECOSYSTEMS 1)Wetland 2)Mangrove 3)Aquaculture & Fishery4)Seagrass Monitoring, (4)MODELING / NUMERICAL SIMULATION 1)General Information 2)Numerical Simulation; Osaka Bay, (5)INVESTIGATION & MEASUREMENT 1)Monitoring Plan 2)Analytical Method 3)Remote Sensing 4)GIS Technique, (6)VISIT NATIONAL INSTITUTES 1)Research Information 2)Policies Information Practice and observation:(1) PHENOMENA & MECHANISM OF WATER POLLUTION 1)Organic/inorganic pollution 2)Eutrophication, (2) ECOSYSTEMS1)Seagrass Monitoring, (3)INVESTIGATION & MEASUREMENT 1)Monitoring Plan 2)Analytical Method, (4)MANAGEMENT 1)Waste Water/Sewage Treatment 2)Environmental Education	DURATION Aug. 16, 2004 ~ Oct. 31, 2004 LANGUAGE English COOPERATION PERIOD 2000 ~ 2004 TRAINING INSTITUTIONS INTERNATIONAL EMECS CENTER JICA CENTER Hyogo International Center REMARKS A compulsory intensive Japanese language course will be conducted prior to the technical training for 40 hours.

PRACTICAL CASE STUDIES ON SUSTAINABLE FOREST MANAGEMENT 持続可能な森林経営の実践活動促進	
	16 participants J0400699
OVERALL GOAL / PURPOSE Through the training program, participants are expected to acquire the technology and knowledge in the following items. 1. Forest resource monitoring by using the criteria and indicators for sustainable forest management. 2. Practical planning of national forest by using participatory methods.	QUALIFICATION OF APPLICANT (1) technical staff in charge of forest management planning and monitoring in the governmental organizations and have more than five years of experience (2) university graduate or equivalent (3) not more than 45 years of age (4) have a sufficient command of spoken and written English
COURSE CONTENTS (1) Introduction (2) Criteria and Indicators of SFM (3)Forest resource monitoring (4) National forest program (5) Participatory method of Forest Management (6) Participatory method of Rural Appraisal	DURATION Aug. 10, 2004 ~ Nov. 28, 2004 LANGUAGE English COOPERATION PERIOD 2000 ~ 2004 TRAINING INSTITUTIONS FOREST TRAINING INSTITUTE, FORESTRY AGENCY JICA CENTER Hachioji International Center REMARKS A compulsory intensive Japanese language will be conducted prior to the technical training for two weeks (50 hours).

SUSTAINABLE MANAGEMENT OF MANGROVE ECOSYSTEMS 持続可能なマングローブ生態系管理技術	
Target Region : The country which has mangroves ecosystem area	6 participants J0400662
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
Upon completion of the course, participants are expected to be able to; 1) understand the structure and function of the mangrove ecosystem, 2) know how to identify mangrove plant species, 3) understand the nursery and planting techniques of mangrove plant species, 4) know how to design proper management plans from the view points of conservation, utilization of mangroves and land classification, and 5) know how to make appropriate materials to enhance public awareness of the importance of mangrove ecosystems, and to develop appropriate materials to show techniques for conserving mangrove ecosystems.	1) be presently working in forest or mangrove areas for more than three (3) years, 2) be involved with mangrove management as a leader or a potential leader, 3) be university graduates or equivalent, 4) be under forty-one (41) years of age,
COURSE CONTENTS	DURATION
This course consists of Lectures, Report Making, Field and Laboratory Work, and Field Trip. (1) Biology (2) Silviculture (3) Aquaculture (4) Management Plans and Strategy (5) Public Awareness (6) Coastal Ecosystem Conservation (See Remarks) (7) Report Making (8) Field and Laboratory Work	May. 25, 2004 ~ Aug. 22, 2004
	LANGUAGE
	English
	COOPERATION PERIOD
	2000 ~ 2004
	TRAINING INSTITUTIONS
	INT'L SOCIETY FOR MANGROVE ECOSYSTEMS (ISME)
	JICA CENTER
	Okinawa International Center
	REMARKS
	Including Joint Programme with J0400669 "Conservation & Sustainable Management of Coral Reefs" course.

FOREST RESEARCH II 森林研究II	
	5 participants J0400749
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The course is designed to upgrade knowledge and skill of the researchers in the field of forestry, forest products and forest function research. Through the training program, participants are expected to: (1) acquire comprehensive knowledge and the latest information of the forest and of Japanese forest administration; (2) develop a higher ability to carry out the basic forest research work; (3) strengthen the professional capabilities to contribute for sustainable forest use; and (4) echo the training result to other staff in their respective countries.	(1) University/college graduate or equivalent (2) Research scientist of forest research organizations or universities with at least 5 years of occupational experience (3) Under 50 years of age. Note: This training course is not designed for administrators, but for research scientists.
COURSE CONTENTS	DURATION
Forest Research is designed to provide researchers with latest knowledge and methodology of forest research. There are three main themes of the course, namely, Forestry, Forest Products and Forest Function Research. Only one theme is focused in one year, therefore, this course is operated in a cycle of three (3) years. Schedule for themes conducted in coming years is as follows; Year 2002 Forestry Year 2003 Forest Products Year 2004 Forest Function Research	Aug. 17, 2004 ~ Nov. 21, 2004
	LANGUAGE
	English or Japanese
	COOPERATION PERIOD
	2002 ~ 2006
	TRAINING INSTITUTIONS
	Forestry and Forest Products Research Institute (FFPRI)
	JICA CENTER
	Tsukuba International Center
	REMARKS
	Intensive Japanese language course: 25 hours Homepage: http://www.ffpri.affrc.go.jp/

FOREST MANAGEMENT TECHNIQUE 森林造成技術者育成	
	12 participants J0400657
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT
The objective of this training course is to develop core persons for conservation and nurture of forest resources and afforestation promotion in each country by learning history and role of Japanese forest, forestry administration, importance of conservation and management activities with participation of residents and management and afforestation techniques.	(1) Technical officer or administrative officer who are engaged in related field (2) have more than five years of experience (3) university graduate or equivalent (4) not more than 40 years of age
COURSE CONTENTS	DURATION
Outline of Forest and Forestry in Japan, Forestry Administration by regional government, Management of Natural Forest, Management of Private Forest, Afforestation with community participation, Human Resource Development, Function of Forest, Afforestation Technique, Nursery Technique, Forest Production, Sustainable Forest Management, Forest Cooperation of Japan, Participatory Methods	Aug. 22, 2004 ~ Nov. 21, 2004
	LANGUAGE
	English
	COOPERATION PERIOD
	2000 ~ 2004
	TRAINING INSTITUTIONS
	Japan Overseas Forestry Consultants Association
	JICA CENTER
	Hokkaido International Center, Obihiro
	REMARKS
	Nomination Forms without job report will not be duly considered.

FOREST SOILS 森林土壌		6 participants J0400335	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
Upon completion of the course, participants are expected to; (1) have pedological knowledge as well as skills and techniques for soil survey. (2) be able to apply their knowledge and technology for the improvement of forestry in their own country.	(1) working in a forestry research organization or university with more than five years of occupational experience in forest soil research (2) university graduate or equivalent (3) 40 years of age or younger		
COURSE CONTENTS	DURATION		
In this course, the emphasis is put on lectures, Field/Laboratory work. (1) Forest and forestry in Japan (2) Forest Soil (3) Utilization of soil survey and soil maps (4) Soil analysis (5) Laboratory work & Field work	Aug. 24, 2004 ~ Oct. 28, 2004		
	LANGUAGE	COOPERATION PERIOD	
	English	2000 ~ 2004	
	TRAINING INSTITUTIONS		
	FACULTY OF AGRICULTURE, UNIVERSITY OF THE RYUKYUS		
	JICA CENTER		
	Okinawa International Center		
	REMARKS		

BIODIVERSITY INFORMATION SYSTEM 生物多様性情報システム		10 participants J0400789	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
Through learning the following items necessary for the management of Nature Conservation or Biodiversity Conservation, the participants are expected to learn knowledge and techniques on the data collection, storage and dissemination of the biodiversity information (1)Nature Conservation Policy in Japan (2)Collection of biodiversity information (3)Trying Internet (HTML language) and GIS (Geographic Information System) for the management and dissemination of information (4)Practical dissemination of biodiversity info. by Internet	(1) technical staff member of the Department of Nature Conservation or Biodiversity Conservation with two (2) or more years of experience in this field (2) university graduate or equivalent (3) not more than 40 years of age (4) have basic knowledge of how to use softwares on Windows		
COURSE CONTENTS	DURATION		
(1) Outline of Policy for biodiversity conservation (2) Practice of policy for biodiversity conservation (3) Outline of the data collection, management and dissemination of biodiversity information (4) Collection of biodiversity information (5) Practice of building Internet homepage(6)Practice of using GIS(7)Practice of using Database	Sep. 21, 2004 ~ Nov. 21, 2004		
	LANGUAGE	COOPERATION PERIOD	
	English	2003 ~ 2007	
	TRAINING INSTITUTIONS		
	Biodiversity Center of Jp., Min of the Environment		
	JICA CENTER		
	Hachioji International Center		
	REMARKS		
	http://www.biodic.go.jp/		

Fisheries

〈水産開発〉

Coastal Fisheries Resource Management 沿岸漁業資源管理		10 participants J0400863	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
Upon successful completion of the course, participants are expected to: 1. Understand how legal, institutional and social frameworks can contribute to sustainable coastal fisheries management, 2. Enhance the management capabilities and understand participatory strategic planning processes 3. Prepare and present the study report to formulate an appropriate fisheries development plan for sustainable use of coastal resources, after going back to their home country	1. have more than five (5) years experience in fisheries sector 2. be university graduates or equivalent, 3. be under fifty (50) years of age		
COURSE CONTENTS	DURATION		
The program is 1.5 month duration and includes lectures, discussion groups, observation tours. The topics covered are as follows. 1. Problem Analysis of Fisheries Management in your Respective Countries 2. Coastal Fisheries Resource Management in Japan 3. Organization and Businesses of FCA in Japan 4. Stock Assessment and Fisheries Management 5. Fisheries and Environment 6. PCM workshop 7. Study Trip	Aug. 22, 2004 ~ Oct. 2, 2004		
	LANGUAGE	COOPERATION PERIOD	
	English	2004 ~ 2008	
	TRAINING INSTITUTIONS		
	Not Fixed		
	JICA CENTER		
	Yokohama International Center		
	REMARKS		

INTEGRATED MANAGEMENT FOR COASTAL FISHERIES 沿岸漁業の統合的な管理手法		5 participants J0400752	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
The objectives in the course are ; 1. To improve the ability of policy making on fishery promotion considering of environmental preservation in developing countries ; and 2. To acquire the sufficient knowledge and skills in proposing appropriate plans to maintain and increase the coastal fishery resources in danger of exhaustion.	Applicants should ; 1. be working in government offices regarding fishery planning, considering maintaining and increasing of marine resources and restoration of environment. ; 2. have 3 years occupational experience in the mentioned field. ; and 3. be under 45 years old.		
COURSE CONTENTS	DURATION		
Participants are expected to learn excellent methods and actual conditions of self-regulation for resource management which the government of Japan implements, maintenance and improvement of fishery environment, and improved fishing gears, etc. The training curriculum consists of lectures and practices. The units of lectures are "resource management" "fishery economy" "costal fishery environment" "stock enhancement" "selective fishery" , and that of practices are "survey on fish markets" "field research by using selective fishing gears" "research on the boat by using measuring fishing detectors" .	Mar. 22, 2005 ~ Jun. 26, 2005		
	LANGUAGE	COOPERATION PERIOD	
	English	2002 ~ 2006年度	
	TRAINING INSTITUTIONS		
	NATIONAL FISHERIES UNIVERSITY		
	JICA CENTER		
	Chugoku International Center		
	REMARKS		

Planning of Fisheries Community Development 漁業コミュニティ開発計画		10 participants J0400852	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
(1) To enhance the participatory strategic planning and management skill for fishing community development project (2) To understand the supporting system (institutional building) for community development (3) To deepen the comprehensive knowledge on sustainable fisheries development with observation and case study	The Government officers who have more than 5 years experience in fisheries development, are university graduates or equivalent and have a sufficient command of spoken English		
COURSE CONTENTS	DURATION		
(1) Sustainable fisheries development (2) Institutional building and extension system (3) Comprehensive management for fisheries development (4) Project planning and management (5) Observation (6) Report formulation and presentation	Jul. 6, 2004 ~ Oct. 2, 2004		
	LANGUAGE	COOPERATION PERIOD	
	English	2004 ~ 2008	
	TRAINING INSTITUTIONS		
	I.C.Net Limited		
	JICA CENTER		
	Yokohama International Center		
	REMARKS		

FISH PATHOLOGY AND ENVIRONMENTAL MANAGEMENT OF AQUACULTURE 魚類防疫・環境管理		5 participants J0400351	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
This course is designed for those who belong to institutions of education and research in the field of fish pathology and environmental management of aquaculture to understand the importance of environment control and practical techniques of preventing epizootics, for the purpose of development of aquaculture in developing countries.	(1) presently engaged in either research or education in the field of aquaculture, (2) with more than 3 years of occupational experience (3) university graduate (4) less than 40 years of age		
	DURATION Aug. 16, 2004 ~ Nov. 24, 2004		
COURSE CONTENTS The emphasis is placed on the ecology of aquaculture, and the practical techniques for preventing epizootics in fish. The subjects covered in the course are: (1) physical coastal oceanography, (2) environmental science of red tide, (3) marine virology, (4) water quality management, (5) molecular and environmental microbiology, (6) fish nutrition, (7) fish pathology, (8) fish and shrimp immunology, (9) prevention of epizootics in fish, etc.	LANGUAGE	COOPERATION PERIOD	
	English	1986 ~ 2005	
TRAINING INSTITUTIONS			
NATIONAL FISHERIES UNIVERSITY			
JICA CENTER			
Kyusyu International Center			
REMARKS			
Intensive Japanese language course of 50 hours			

MARINE FARMING FOR STOCK ENHANCEMENT 資源培養のための栽培漁業		7 participants J0400336	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
This training course is designed for the participants belonging to fisheries research institutes(universities) and fisheries offices(fisheries research staff)to understand the importance of the stock enhancement of marine organisms with the biodiversity in the natural sea, including new technologies for hatchery enhancement, effective adding to natural resources, community ecology for fishery science, and managements and monitoring for fisheries resource maintenance.	(1)university graduate or has the equivalent academic level with over 5 year business experience (2)presently engaged in either research or educational activities in fisheries (3)under 40 years old with good health condition enough to undergo field fisheries work		
	DURATION Jun. 7, 2004 ~ Nov. 1, 2004		
COURSE CONTENTS This training course is formulated to cover the following programme in order to obtain basic knowledge,both in theory and practice, of the marine farming: (1)Theory of Community Ecology,(2)Fisheries Hydrography and Pollution (3)Environmental Chemistry,(4)Fish Disease (5)Food nutrition for rearing (6)Preparing of Artificial Reef and Nursery Ground (7)Benthos and Plankton,(8)Hatchery Enhancement(Fish Seeding) (9)Seed- release Situation,(10)Fisheries Genetics (11)Statistical Method on the Evaluation of Stocking Effectiveness for Fisheries Resources, and (12)Fish Taxonomy, self-study session is prepared to each participant' speciality such as Fisheries Stock Management, Fisheries Ecology, Environmental Chemistry	LANGUAGE	COOPERATION PERIOD	
	English	1987 ~ 2006	
TRAINING INSTITUTIONS			
USA MARINE BIOLOGICAL INSTITUTE, KOCHI UNIVERSITY			
JICA CENTER			
Shikoku Branch Office			
REMARKS			
Japanese intensive class(60hours at Kochi University)			

COASTAL FISHING TECHNIQUE FOR SUSTAINABLE RESOURCE USE 持続可能な沿岸漁業		5 participants J0400679	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
The code of conducts for responsible fisheries, adopted by the Twenty-eighth Session of the FAO Conference on 31 October 1995. This program is for sustainable resource use course will prepare participants for work to strengthen the technical basis of sustainable fishing by modification of existing fishing gear, methods and practices and/or introduction of new conservation oriented fishing practices.	(1) engaged in training or extension service for coastal fishing techniques (2) more than 3 years experience in fishing gear design and operation (3) senior high school graduate or equivalent (4) under 40 years of age		
	DURATION Jan. 30, 2005 ~ May. 28, 2005		
COURSE CONTENTS The program is four months duration and includes lectures, discussion groups, observation tours, study trips, report making as well as sea-going fishing operations. The participants have practical training in the construction and operation of fishing gear based on Japan's coastal fishing experience. The programme puts emphasis on selectivity to minimize waste, discards, catch of non-target species and sizes. It also addresses fishery resources management, habitat disturbance, care of the catch and energy optimization.	LANGUAGE	COOPERATION PERIOD	
	English	2000 ~ 2004	
TRAINING INSTITUTIONS			
FACULTY OF FISHERIES,KAGOSHIMA UNIVERSITY			
JICA CENTER			
Yokohama International Center			
REMARKS			

Sustainable Aquaculture Development II 持續的增養殖開發II		9 participants J0400848	
OVERALL GOAL / PURPOSE		QUALIFICATION OF APPLICANT	
<ul style="list-style-type: none"> • To learn theoretical and practical skills necessary to work as an aquaculture technician, extension officer and researcher. • To acquire skills to determine how aquaculture systems and practices can be modified to accommodate technical and human resource constraints. • 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 		<ul style="list-style-type: none"> (1) be presently engaged in aquaculture extension or research work with 3 years or more experience, (2) be under 40 years of age (3) be university graduates or equivalent 	
COURSE CONTENTS		DURATION	
<p>(1) Common Programme: 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</p> <p>(2) Specific Field Programme: (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</p>		Feb. 22, 2005 ~ Jun. 29, 2005	
		LANGUAGE	COOPERATION PERIOD
		English	2004 ~ 2008
		TRAINING INSTITUTIONS	
		Fisheries & Aquaculture International Co., Ltd	
		JICA CENTER	
		Yokohama International Center	
		REMARKS	
		This course is divided to two groups (Freshwater Aquaculture, Marine Aquaculture)	

MAINTENANCE OF REFRIGERATION SYSTEM 冷凍機保守		8 participants J0400720	
OVERALL GOAL / PURPOSE		QUALIFICATION OF APPLICANT	
<p>This course 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 purposed 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.</p>		<ul style="list-style-type: none"> (1) be high school graduates or have the equivalent academic background (2) be presently engaged in field of refrigeration, and have more than three years of occupational experience in this field (3) be no less than twenty-five, and under forty years of age 	
COURSE CONTENTS		DURATION	
<p>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</p>		Mar. 15, 2005 ~ May. 15, 2005	
		LANGUAGE	COOPERATION PERIOD
		English	2002 ~ 2006
		TRAINING INSTITUTIONS	
		Nissin Refrigeration & Engineering Ltd.	
		JICA CENTER	
		Yokohama International Center	
		REMARKS	

***Gender Mainstreaming /
Women in Development***

〈ジェンダー主流化/WID〉

OISCA Rural Life Improvement and Rural Development for Women オイスカ農村女性の生活改善と村づくり研修 Target Region : Asia/Pacific countries with OISCA training center		15 participants J0400862
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT	
The objective of this training course is to provide those who are leading the rural women in community development at the grass-roots level with the skills and knowledge necessary for the improvement of daily life and the effective way of extension for the fellow women, such as environment conscious agricultural production, processing of agricultural product, hygiene cooking, dietetics, and better technique and sewing.	(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 with an age of 20-30 years and an enough physically/mentally good condition	
COURSE CONTENTS	DURATION	
This course consists of in-house lecture, field-level lecture and practice with regard to the following main training items; (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 nutrients, digestion and absorption (5) Hygiene; contagious disease, HIV, family planning, maternity health (6) Dressmaking; basic technique and application of clothing and sewing	Jan. 17, 2005 ~ Dec. 16, 2005	
	LANGUAGE	COOPERATION PERIOD
	English and Japanese	2004 ~ 2008
	TRAINING INSTITUTIONS	
	OISCA SHIKOKU TRAINING CENTER	
	JICA CENTER	
	Shikoku Branch Office	
	REMARKS	
	Japanese intensive class (approx. 3 month at OISCA Shikoku training center)	

SEMINAR ON WOMEN IN ENVIRONMENT AND DEVELOPMENT 「環境と開発と女性」セミナー 9 participants J0403461		
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT	
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. Taking the idea of WID into consideration, Seminar will enable participants to understand the importance of balancing environmental conservation and national development and to help them implement countermeasures against pollution especially in Asia.	(1) government officers or staff of a NGO currently in charge of environmental problems or women's issues, (2) with more than 3 years of occupational experience in the field, and (3) no more than 45 years of age.	
COURSE CONTENTS	DURATION	
Participants will be able to upgrade their knowledge and capabilities necessary for the management of environmental protection from the perspective of gender. (1) Women in environment and development (2) Introduction to GAD (3) Environmental administration in Kitakyushu and its cooperation with Asia (4) Case study in Asian countries (5) Women and environment in Kitakyushu city (6) Case study - Minamata disease and pollution in Kitakyushu (7) Role of NGOs and their partnership with Government (8) Waste management and Protection of forest environment	Jan. 17, 2005 ~ Mar. 9, 2005	
	LANGUAGE	COOPERATION PERIOD
	English	2000 ~ 2004
	TRAINING INSTITUTIONS	
	KITAKYUSHU FORUM ON ASIAN WOMEN	
	JICA CENTER	
	Kysyu International Center	
	REMARKS	
	Participants are required to have presentation to citizens on the situation of gender and environment.	

SEMINAR ON GENDER UNDERSTANDING IN FISHING COMMUNITY DEVELOPMENT 漁村開発におけるジェンダーセミナー 7 participants J0403480		
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT	
(1) To increase the understanding of the concepts of gender, WID, GAD, partnership between men and women and awareness of gender-responsive project. (2) To acquire gender-responsive project management methodology which promote fishing community development with active participation of both men and women. (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.	(1) central/local government staff, fishing community leader or NGO staff (2) engaged in the fishing community development with more than three years' occupational experience (3) under 45 years of age	
COURSE CONTENTS	DURATION	
(1) Outline of WID/GAD (2) Gender Analysis (3) Income generation activities-processing of marine products and marketing (4) Environmental Issues and Resource Management (5) Hygiene improvement and Improvement of living standard (6) Micro-credit (7) Extension services / Support from Central (local) government (8) Organization of fishing community (9) Project Cycle Management (10) Report formulation and presentation	Jan. 23, 2005 ~ Mar. 9, 2005	
	LANGUAGE	COOPERATION PERIOD
	English	2000 ~ 2004
	TRAINING INSTITUTIONS	
	Fisheries & Aquaculture International Co., Ltd	
	JICA CENTER	
	Yokohama International Center	
	REMARKS	

SEMINAR ON GENDER MAINSTREAMING POLICIES FOR GOVERNMENT OFFICERS ジェンダー主流化政策のための行政官セミナー		9 participants J0400723	
OVERALL GOAL / PURPOSE	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 realizing equal society through empowerment of women.	QUALIFICATION OF APPLICANT	
		(1) Government officers currently in charge of planning policies for improving the status of women and gender mainstreaming with more than 3 years of professional experience. (2) Less than 45 years of age	
		DURATION	
		Jun. 14, 2004 ~ Jul. 18, 2004	
COURSE CONTENTS	(1) Introduction of policies for gender mainstreaming (2) Methods for gender mainstreaming and Case study in Asia (3) Gender mainstreaming in Education, Labour Administration, Health Promotion, Environment, Agriculture, etc. (4) Introduction of gender equality in administration (5) Promotion of policies in gender mainstreaming in Kitakyushu City (6) Women's economical empowerment and entrepreneurship	LANGUAGE	COOPERATION PERIOD
		English	2002 ~ 2006
		TRAINING INSTITUTIONS	
		KITAKYUSHU FORUM ON ASIAN WOMEN	
		JICA CENTER	
		Kyusyu International Center	
		REMARKS	
		Participants are required to give presentation to citizens on the situation of women in each country.	

SEMINAR ON WOMEN'S ENTREPRENEURSHIP DEVELOPMENT-TRAINING FOR LEADERS 女性起業家育成のための指導者セミナー		8 participants J0403482	
Target Region: Asia			
OVERALL GOAL / PURPOSE	Through the seminar, participants are expected to: (1) understand the significance of women's entrepreneurship for economic development and come up with business plans that will lead to women's empowerment in their countries, (2) make drafts of systems to promote women's entrepreneurship that fit their own countries, (3) gain necessary knowledge and skills to develop contents of training programs for women's entrepreneurship that fit their own countries' circumstances, and (4) gain necessary knowledge and skills to manage and operate training programs for women's entrepreneurship.	QUALIFICATION OF APPLICANT	
		Have more than three (3) years of experience in organizing program(s) for women's economic empowerment i.e. skill training, credit etc. and be the chief of section either in the Government or NGO. One nominee should be from governmental organization and the other from NGO.	
		DURATION	
		Feb. 8, 2005 ~ Mar. 13, 2005	
COURSE CONTENTS	Module I: Women's Economic Empowerment through Entrepreneurship Module II: System Building for Women's Entrepreneurship Development Module III: Development of Training Program Contents Module IV: Management Method of Training Program for Women's Entrepreneurship	LANGUAGE	COOPERATION PERIOD
		English	2000 ~ 2004
		TRAINING INSTITUTIONS	
		JAPAN INTERNATIONAL COOPERATION CENTER	
		JICA CENTER	
		Tokyo International Center	
		REMARKS	

SEMINAR FOR PROMOTION OF EDUCATION FOR GIRLS AND WOMEN 女性の教育推進セミナー		9 participants J0403509	
OVERALL GOAL / PURPOSE	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.	QUALIFICATION OF APPLICANT	
		(1) government officer of Ministry of Education, Educational Committee, or similar institutions, who is in charge of development and promotion of girls' and women's education. (2) university graduate. (3) under the age of 45. (3) more than 5 years of occupational experience	
		DURATION	
		Feb. 13, 2005 ~ Mar. 13, 2005	
COURSE CONTENTS	(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.	LANGUAGE	COOPERATION PERIOD
		English	2001 ~ 2005
		TRAINING INSTITUTIONS	
		NATIONAL WOMEN'S EDUCATION CENTRE	
		JICA CENTER	
		Institute for International Cooperation	
		REMARKS	

SEMINAR FOR PROMOTION OF GENDER EQUALITY II 男女共同参画推進セミナーII		9 participants J0400748	
OVERALL GOAL / PURPOSE	(1) To acquire useful knowledge for strengthening of the national machinery for the advancement of women (2) To acquire useful knowledge, formulating, implementing, and monitoring the national plan of action (3) To exchange views on Good practices in developing countries (ODA/National government/NGO for the advancement of status of women) (4) To get the point of view required for the advancement of status of women as an officer in charge	QUALIFICATION OF APPLICANT	
		(1) division-director or higher level of official of national machinery (2) university graduate (3) more than 5 years of experience of gender equality (4) 35 -50 years of age (5) adequate knowledge of Beijing Declaration and Platform for Action and * "Outcome Document"	
COURSE CONTENTS	(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. (2)PRESENTATION AND DISCUSSION Gender training Gender Equality in Japan Country report PCM Workshop Presentation skill and others. (3) VISIT Local governments, Women's Center, other facilities related to gender equality	DURATION Nov. 9, 2004 ~ Dec. 11, 2004	
		LANGUAGE English	COOPERATION PERIOD 2002 ~ 2006
		TRAINING INSTITUTIONS GENDER EQUALITY BUREAU,CABINET OFFICE JICA CENTER Institute for International Cooperation	
		REMARKS * "Outcome Document" Further actions and initiatives to implement the Beijing Declaration and Platform for Action	

Empowerment of Rural Women II 農村女性能力向上II		10 participants J0400889	
OVERALL GOAL / PURPOSE	The purpose of the course on Empowerment of Rural Women II is to provide specialists who train a field-level extension worker for rural women and central/local government officers who are in charge of policy administration for rural women with knowledge and skills to effectively support rural women through exchange of participants' experiences and case studies in Japan.	QUALIFICATION OF APPLICANT	
		1) who are in charge of training staff engaged in extension activities (agriculture, food processing, community development, etc.) for rural women 2) be female 3) be university graduates, or have an equivalent educational background 4) be no more than 45 years old.	
COURSE CONTENTS	1) Present condition and issue of rural women each countries 2) Agriculture and extension system in Japan 3) Empowerment of rural women 4) Effective extension methodologies to solve the issue of rural women 5) Technical methodologies to solve the issue of rural women 6) Support to organize of rural women to empowerment 7) Execution, presentation and discussion of action	DURATION Aug. 30, 2004 ~ Nov. 6, 2004	
		LANGUAGE English	COOPERATION PERIOD 2004 ~ 2008
		TRAINING INSTITUTIONS Rural Women Empowerment and Life Improvement Assoc JICA CENTER Tsukuba International Center	
		REMARKS	

Urban/Regional Development

〈都市開発・地域開発〉

COMPREHENSIVE BRIDGE ENGINEERING 橋梁総合コース		14 participants J0400690	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
The purpose of the course 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.	(1) university graduate or equivalent with occupational experience of more than Three years (2) presently engaged in bridge and highway construction (3) not more than 40 years of age		
	DURATION		
COURSE CONTENTS	Sep. 28, 2004 ~ Dec. 4, 2004		
In this course, the following major subjects will be covered through lectures, discussions and observation trips. (1) roads and bridges in Japan (2) design and construction of substructures (3) design and construction of concrete bridges (4) fundamental bridge design theory (5) design and construction of steel bridges (6) maintenance and repair of bridges (7) group observation (8) discussion, preparation and presentation of action plan	LANGUAGE	COOPERATION PERIOD	
	English	2000 ~ 2004	
	TRAINING INSTITUTIONS		
	ROAD BUREAU, MLIT		
	JICA CENTER		
	Tokyo International Center		
REMARKS			

SEMINAR ON PRACTICAL APPLICATION OF CONSTRUCTION TECHNOLOGY 建設技術活用・応用セミナー		9 participants J0400637	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
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 career 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 courses (3) have between 8 and 18 years of occupational experience in construction work (4) be between 30 and 40 years of age		
	DURATION		
COURSE CONTENTS	May, 9, 2004 ~ Jun, 26, 2004		
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	LANGUAGE	COOPERATION PERIOD	
	English	2000 ~ 2004	
	TRAINING INSTITUTIONS		
	Japan Construction Training Center Foundation		
	JICA CENTER		
	Yokohama International Center		
REMARKS			

ENVIRONMENTAL CONSERVATION MEASURE IN CONSTRUCTION PROJECT 建設事業における環境保全対策		8 participants J0400798	
OVERALL GOAL / PURPOSE	QUALIFICATION OF APPLICANT		
To contribute to harmony of development and environmental preservation in participating countries by training civil engineers in the techniques required in environmental assessment, assessment of effects on environment, measures for environmental preservation, etc. for minimizing the effects of infrastructure development on environment, maintaining favorable environment for the people, and for preserving nature.	(1) university graduate in civil engineering or equivalent (2) five or more years of experience in infrastructure development administration (road, rivers, ports, dams, etc.) (3) under 40 years old in age		
	DURATION		
COURSE CONTENTS	Aug. 23, 2004 ~ Nov. 7, 2004		
This course consists of lectures, observations, group studies, and study tours as follows: (1) regional plans (2) environmental plans (3) environmental assessment (4) environmental projections (5) environmental preservation measures (6) assessment of effects on environment * Under the word 'Environment', this course deals with water quality, noise, vibration, air quality, animals and vegetation	LANGUAGE	COOPERATION PERIOD	
	English	2003 ~ 2007	
	TRAINING INSTITUTIONS		
	Japan Construction Training Center Foundation		
	JICA CENTER		
	Osaka International Center		
REMARKS			