



12. Agricultural/Rural Development

Mycotoxin Inspection in Food マイコトキシン検査技術		GROUP	0980001
Agricultural/Rural Development—Other Agricultural/Rural Development Issues Health —Health System		4 participants	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>This program is designed to ensure capacity development of food inspection organizations.</p> <p>【Objective】 Participants will be able to apply the most feasible approach for assuring food safety, with acquired expertise on analysis and control of mycotoxins.</p> <p>【Outputs】 (1) To acquire and apply the methodology and technology for the analysis of mycotoxins (2) To be able to explain the basic principles of the method for isolation and identification of mycotoxin-producing fungi (3) To be able to explain the importance of control and management of mycotoxins (4) To be able to explain about food safety and regulation/standards of mycotoxins (5) To formulate an action plan for disseminating the most feasible knowledge and technology for each country</p>	<p>【Target Organizations】 Governmental and non-governmental organizations in the field of food inspection</p> <p>【Target Group】 (1) Current Duties: be a technical officer or inspector presently engaged in food inspection (2) Experience: have more than three (3) years' experience in food inspection (3) Educational Background: be a graduate of university or equivalent (4) Others: those who are to stay in the same field after the completion of this program. Age should be under thirty five (35) years</p>		
CONTENTS	PROGRAM PERIOD	Jan.25.2010 ~ May.8.2010	
<p>【Core Phase in Japan】 <u>Related to output (1):</u> Lectures and Lab practices Aspergillus flavus contamination of groundnuts and maize Fusarium contamination of wheat and maize, Sampling for mycotoxins Analysis of mycotoxins such as aflatoxins and fusarium mycotoxins <u>Related to output (2):</u> Lectures and Lab Practices Introduction to fungi, Isolation identification of fungi, etc. Method of the isolation and identification of mycotoxins-producing fungi <u>Related to output (3):</u> Lectures and observations Control of mycotoxins <u>Related to output (4):</u>Lectures and Observations Food sanitation law and food inspection <u>Related to output (5):</u> Report Making and Presentation Midterm report resentation. Guidance for action plan making.</p>	IMPLEMENTING PARTNER	KOBE INSTITUTE OF HEALTH, NAGOYA CITY PUBLIC HEALTH INSTITUTE, ETC.	
	JICA CENTER	JICA Hyogo	
	COOPERATION PERIOD	2005~2009	
	REMARKS	Mycotoxins are secondary metabolites of fungi and they are the most serious carcinogenic contaminants in grains, corns, nuts, and so on. 70% of program are allocated to lab practice.	

Agrobiotechnology アグロバイオテクノロジー		GROUP	0980003
Agricultural/Rural Development—Agricultural Development		5 participants	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>This program is designed for researchers and technologists in biotechnology and bioscience to develop their capacity and raise the level of technical skills based on fundamental theory and practical knowledge. In this program special importance is attached to the research field utilizing microorganisms, livestock and higher plants.</p> <p>【Objective】 At the completion of the program, participants will be able to select biotechniques suitable for each participating country based on the acquired comprehension on fundamental principles and expertise on experimental techniques.</p> <p>【Outputs】 (1) To be able to explain fundamental principles in biotechnology (2) To be able to explain the general situation of biotechnology and its application (3) To acquire fundamental and experimental methods for biotechnology in the fields of microorganisms, livestock and higher plants (4) To obtain a general capacity of judgment in selecting suitable biotechniques</p>	<p>【Target Organizations】 Governmental research organizations and universities in the field of biotechnology and bioscience</p> <p>【Target Group】 (1) Current Duties: be a researcher or technologist engaged in research activities in microorganisms, livestock and higher plants (2) Experience: have more than three (3) years n these fields (3) Educational Background: uiversity graduates with master degree</p>		
CONTENTS	PROGRAM PERIOD	Mar.15.2010 ~ Aug.7.2010	
<p>Special importance is attached to the research field using microorganisms, livestock and higher plants.</p> <p>【Core Phase in Japan】 <u>Related to outputs (1) & (2):</u> Lectures and Observations General review of biotechnology Clones and propagation of animals and plants, Gene mapping by molecular markers in programs for breeding microorganisms Stress response and cellular signal transduction Genetic engineering, genetic modification, etc. Screening of useful microorganisms <u>Related to outputs (3) & (4):</u> Lab Works Plant tissue culture, stress response and cellular signal transduction Genetic engineering, gene mapping by molecular markers Screening of useful microorganisms etc.</p>	IMPLEMENTING PARTNER	GRADUATE SCHOOL OF AGRICULTURAL SCIENCE, KOBE UNIVERSITY	
	JICA CENTER	JICA Hyogo	
	COOPERATION PERIOD	2005~2009	
	REMARKS	Graduate students of Kobe University will join some lectures for active exchange of information and opinions.	

Pasture Based Livestock Farming Development 草地畜産開発		GROUP 	0980025
		Agricultural/Rural Development—Agricultural Development	
		6 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
The purpose of this training program is to transfer knowledge and skills on pasture based livestock farming to technical officials in charge of the livestock industry in their own countries. Participants are expected to acquire knowledge and skills on various aspects of pasture management and utilization, forage crops production and utilization, animal nutrition and feed, animal feeding management, etc. It should be emphasized that the program will train leading technical experts in charge of rural development through pasture based livestock farming. Through the training program, participants are expected: 1. To understand integrated knowledge and skills on pasture based livestock farming, and be able to plan livestock industry development policy suitable for the area condition, 2. To understand pasture management and utilization, and be able to practice and guide suitable pasture management and utilization for the area condition, 3. To understand forage crops production and processing, and to be able to apply the result to the effective utilization of forage crops, 4. To understand nutrition and feed, and to be able to apply the result to designing feeding, 5. To understand animal feeding management, and to be able to practice and guide suitable animal feeding management for the area condition.	(1) Individuals employed by a public organization and engaged in administration, extension and/or research work in the livestock industry, with at least 3 years of work experience in pasture and forage crops production and management (2) Age: Under 45 years old, (3) University graduates or with equivalent academic background,		
CONTENTS	PROGRAM PERIOD	Apr.7.2009 ~ Aug.15.2009	
This program consists mainly of lectures and practical training given by the NLBC staff and visiting professionals, and trips to study pasture management, forage crops production, etc. The main study and training subjects are as follows: (1) Outline of the livestock industry (2) Planning pasture based livestock farming/technical extension (3) Pasture management and utilization (4) Production and utilization of forage crops (5) Seeds production (6) Animal nutrition (7) Feed analysis (8) Animal feeding management	IMPLEMENTING PARTNER	NATIONAL LIVESTOCK BREEDING CENTER	
	JICA CENTER	JICA Tohoku	
	COOPERATION PERIOD	2005~2009	
	REMARKS		

Tropical Biomass Utilization 熱帯バイオマス利用		GROUP 	0980032
		Agricultural/Rural Development—Rural Development	
Target Countries: Tropical/sub-tropical countries		5 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
To enable participants to learn methods of measuring the endowment of biomass and the possible amount of utilization, and designing effective ways of using it. To reach the objective, participants are expected to achieve the following: (1) To understand approaches to create a re-cycling oriented society, referring to the concepts of Biomass Nippon and the Biomass Asia Programs. (2) To understand methods of estimating unused biomass resources, planning of utilization systems and their evaluation. (3) To understand individual technologies; e.g. biomass production, collection, transportation, conversion, and monitoring, to formulate a biomass utilization plan.	[Target Organizations] Engaged in the planning, promotion and utilization of biomass [Target Group] (1) Individuals with at least 3 years of experience in the field of above mentioned (2) University graduates in the field of science (3) Individuals 25-35 years of age		
CONTENTS	PROGRAM PERIOD	Sep.29.2009 ~ Dec.5.2009	
<Preliminary phase (activities in home country)> (1) Formulating a country report describing the present situation of Biomass utilization in the participant's country and the role of their organization. <Core Phase (activities in Japan)> (1) Acquire methods for designing a recycling society and biomass utilization system and approaches for designing recycling societies which utilize biomass (such as 'Biomass Nippon', 'Concept of Biomass Town'), estimating the amount of endowment and production of biomass, designing a biomass utilization system and evaluating the impact of biomass utilization. (2) Acquire methods for measuring the biomass resources, a planning technique for a biomass utilization system and techniques for evaluating the effect of biomass. (3) Acquire specific techniques related to the design of biomass utilization systems, biomass production and collection methods for unused biomass resources, biomass energy conversion, utilization of biomass transforming materials, and the measurement, monitoring and evaluation of biomass utilization.	IMPLEMENTING PARTNER	University of the Ryukyus	
	JICA CENTER	JICA Okinawa	
	COOPERATION PERIOD	2005~2009	
	REMARKS		

Veterinary Technology for Farm Animals 産業動物の獣医技術		GROUP	0980213
Agricultural/Rural Development—Agricultural Development			
		7 participants	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>The level of participants' knowledge and techniques of veterinary medicine (mainly for cattle) will be improved.</p> <p>To reach the objective, the participants are expected to achieve the following:</p> <p>(1) To improve clinical techniques of diagnosis and treatment (internal medicine, surgery and reproduction) of frequent diseases of farm animals (mainly cattle)</p> <p>(2) To improve control measures against infectious diseases and herd infection</p> <p>(3) To learn about sanitation management such as meat inspection, food sanitation and veterinary public health for supply of safe animal products</p> <p>(4) To learn about veterinary administration in Japan, present situation of educational research and role of veterinarians in animal husbandry</p>	<p>(1) University graduates in veterinary medicine and those qualified as veterinarian</p> <p>(2) Leading veterinarians who handle farm animals (mainly cattle)</p> <p>(3) At least 5 years of practical experience</p>		
CONTENTS	PROGRAM PERIOD	Aug.11.2009 ~ Nov.21.2009	
<p>Preparatory Phase : Present job activities and issues concerning farm animals are described in the job report</p> <p>Curriculum in Japan :</p> <p>(1) Lectures: - Veterinary administration in Hokkaido and Japan, - Feeding management, - Embryo transfer, - Internal medicine, surgery and reproduction of farm animals, - Prevention and control of mastitis in cattle, - Livestock sanitation, - Prevention and control of infectious and parasitic diseases, - Public health,</p> <p>(2) Practical exercises: - Medical examination techniques and nutrition management guidance for cattle, - Clinical examination and treatment (internal medicine, surgery and reproduction) of farm animals, - Bacteriological examination, diagnosis and treatment of mastitis, - Examination and diagnosis of infectious diseases, - Diagnostic techniques of zoonotic diseases, - Meat inspection, - Writing action plan, etc.</p> <p>(3) Observations: - Dairy farms, - Veterinary clinic and small animal clinic, - Meat inspection office, - Livestock hygiene service center, - Facilities related to livestock, - Educational and research institutions, etc.</p>	IMPLEMENTING PARTNER	HOKKAIDO VETERINARY MEDICAL ASSOCIATION	
	JICA CENTER	JICA Sapporo	
	COOPERATION PERIOD	2006~2010	
	REMARKS		


Utilization and Preservation Techniques for Animal Products 畜産物の利用と保蔵技術		GROUP	0980218
Agricultural/Rural Development—Other Agricultural/Rural Development Issues			
		6 participants	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】By acquiring a series of processing and preservation techniques, and understanding the traceability of animal products for food safety, to develop human resources capable of increasing the added value of foods through maintaining the quality of animal products and improving food safety.</p> <p>【Outputs】To attain the objective, the participants are expected to achieve the followings:</p> <p>(1) To be able to explain livestock fattening, slaughtering techniques, processing and preservation techniques thorough advanced theories about meat science and food hygiene to related technicians and researchers,</p> <p>(2) To be able to identify the problems by comparing the Japanese sanitary control system and the participant's country's system,</p> <p>(3) To prepare the Improvement and Extension Plan on utilization of animal products and preservation techniques, and the Improvement Plan on sanitary control system which are realistic in the participant's country.</p>	<p>【Target Organizations】 Institutions relating to the animal product processing industry or food science</p> <p>【Target Group】</p> <p>(1) Technical experts or researchers</p> <p>(2) Age: From 25 to 40 years old</p> <p>(3) Individuals who are able to handle and eat pork meat (as the practice includes making and tasting pork products).</p>		
CONTENTS	PROGRAM PERIOD	Feb.14.2010 ~ May.20.2010	
<p>【Preparatory phase】To submit the Inception report including an introduction of work, problems facing in the country, interest in the program and its reason.</p> <p>【Program in Japan】This program consists of the following contents:</p> <p>(1) Fattening techniques (production and preparation of feed, physiology of meat and fattening techniques), Slaughtering and carcass dressing, Meat science (meat quality inspection and analysis of meat substance), Food hygiene (properties of milk products, production and hygiene of milk and milk products)</p> <p>(2) Processing techniques: Basics of meat processing, Production and processing of animal products, Utilization of animal by-products. Preservation techniques: Analysis of special ingredients, Food additives, Food packaging materials</p> <p>(3) Outline and system of traceability of beef in Japan, Safety of meat and processed meat products, Food hygiene and HACCP</p> <p>(4) Analyze the problems described in the Inception Report and make the practical Interim Report on activity objective after returning home, expected outputs and major contents of activities.</p>	IMPLEMENTING PARTNER	Obihiro Univ. of Agric. & Veterinary Medicine, Regional Food Processing Technology Center	
	JICA CENTER	JICA Obihiro	
	COOPERATION PERIOD	2006~2010	
	REMARKS	<p>【Program in home country】 To submit the Final report on the progress of activities.</p> <p>Participants should be able to handle and eat pork meat (as practice includes making and tasting pork products).</p>	


IT System Techniques for Agriculture 農業のITシステム化技術		GROUP	0980220
Agricultural/Rural Development—Agricultural Policy and System Information and Communication Technology—Information and Communication Technology		6 participants	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 To develop human resources who can contribute to agricultural development through comprehension the agricultural information system with spread sheet and database processing.</p> <p>【Outputs】 To attain above mentioned the objective, the participants are expected to achieve the followings:</p> <p>(1) To be able to explain the functions and benefits of agricultural information network systems, (2) To be able to utilize the skill to built a database of agriculture and livestock, (3) To be able to utilize the skill of data processing and data analysis, (4) To be able to transmit agricultural information.</p>	<p>【Target Organizations】 Official institutions which collecting, processing and providing an agricultural information, such as weather conditions, soil conditions and cropping pattern, to concerned parties</p> <p>【Target Group】 (1) Who has been collecting, processing and providing an agricultural information, such as weather conditions, soil conditions and cropping pattern (2) Who has basic computer skills, sufficient experience in information processing and have intence interest in programming. (3) Age: 25-40 years old</p>		
CONTENTS	PROGRAM PERIOD	Jan.17.2010 ~ Apr.22.2010	
<p>【Preparatory phase】 Submit an Inception report which includes contents of work, facing problems, particular interest in the program and its reason. Fill out the questionnaire.</p> <p>【Program in Japan】 This program consists of lectures, practical exercises, observations and discussions of the following contents: (1) Concept and operation of agricultural information: Introduction of Agricultural information building, information security, O&M system, LAN system, etc. (2) Individual database building, VBA coding, data-file processing. (3) Analyze the problems described in the Inception report and make a practical Interim report on activity objective after returning home, expected outputs and major contents of activities.</p> <p>【Program in home country】 In accordance with the Interim report, submit the Final report including the progress of activities within 6 month.</p>	IMPLEMENTING PARTNER	Obihiro University of Agriculture and Veterinary Medicine	
	JICA CENTER	JICA Obihiro	
	COOPERATION PERIOD	2006~2010	
	REMARKS		


Food Processing and Preservation Technology 食品加工・保全技術		GROUP	0980227
Agricultural/Rural Development—Other Agricultural/Rural Development Issues		4 participants	English
Target Countries: Asia			
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 Participants will enhance their capabilities to develop and produce processed foods of high quality and added value, utilizing agricultural resources in their own countries.</p> <p>【Outputs】 To attain the objective, participants are expected to achieve the following: 1) To understand the legal and administrative systems on food processing and preservation in Japan 2) To understand the technologies of food processing and preservation in Japan 3) To understand the situation regarding the research and development, production and distribution of food products in Japan, and to clarify issues in their own countries by comparison with Japan 4) To acquire practical skills and techniques for proper food processing and preservation</p>	【Target Group】	<p>(1) Researchers or technical staff in research institutes related to food processing and preservation (2) Capable of conducting basic chemical experiments (e.g. operation of a balance/pH meter, preparation of acid/alkaline reagents, etc.) (3) University degree or equivalent in a science program</p>	
CONTENTS	PROGRAM PERIOD	Jan.9.2010 ~ Mar.19.2010	
<p>1) General Training (Lectures): Learn administrative systems and technologies on food processing and preservation in Japan.</p> <p>2) Site Observations: Understand the process of food processing system in Japan, from research and development of products to distribution, by visiting food-related facilities (factories, research institutes, etc.)</p> <p>3) Practical training: acquire skills and knowledge on specific topics (these may vary every year): Topic 1. Cultivation and Breeding of Mushroom Topic 2. Analysis and Evaluation on Functionality of Food Component Topic 3. Saccharification of Rice and Manufacturing Test of a Sweet Alcoholic Japanese Drink (Amazake) using Enzyme (The above are the example from year 2008)</p>	IMPLEMENTING PARTNER	Hiroshima International Center	
	JICA CENTER	JICA Chugoku	
	COOPERATION PERIOD	2006~2010	
	REMARKS	The training period is still to be fixed.	


Organic Agriculture Technology for Environment Conservation 環境保全型有機農業技術		GROUP	0980724	
Agricultural/Rural Development—Agricultural Development				
16 participants / English/Japanese				
OBJECTIVE		TARGET ORGANIZATION / GROUP		
<p>[Objective] The participants will obtain knowledge and techniques of organic agriculture for environmental conservation, and will be able to make a plan for extension of organic agriculture for environment conservation.</p> <p>[Expected Results] To reach the objectives, participants are expected to achieve the following: (1) To acquire knowledge and techniques of organic agriculture, (2) To study Japanese experiences and traditional techniques of agricultural development and examine their possible applications to respective countries, and (3) To make an applicable Action Plan for the extension of organic agriculture in the participant's country.</p>		<p>[Target Organizations] Government organization, NGO, and individual farmers engaging in agricultural activity at a field level</p> <p>[Target Group] (1) Individuals engaging in agricultural activity at a field level with at least 2 years of work experience in their specialties (2) Individuals in good health, both physically and mentally, to undergo the course of rigorous training</p>		
CONTENTS		PROGRAM PERIOD	Feb.18.2010 ~ Nov.21.2010	
<p>1. History of agriculture History of rice farming and organic agriculture in Japan / Diffusion of chemical fertilizer and its negative effect / Global food situation / Rural development worldwide</p> <p>2. Environment conservation in agriculture Current situation of aquatic contamination and its relation with agriculture, techniques for water quality improvement / Current situation of ground pollution and its countermeasures and mechanism / Biomass resources -Character, variety and potential</p> <p>3. Techniques of organic agriculture for environmental conservation Land Improvement / Insect Pest Control / Organic Agriculture Techniques</p> <p>4. Rural development in Japan History of rural development in Japan / Marketing and distribution of agricultural goods / Farmer organization and institution-building</p> <p>5. Formulation and presentation of Action Plans</p>		IMPLEMENTING PARTNER	OISCA	
		JICA CENTER	JICA Chubu	
		COOPERATION PERIOD	2007~2009	
		REMARKS	http://www.oisca.org/e/	

Advanced Research Course on Control of Zoonosis for Food Safety 食の安全確保のための人畜共通感染症対策		GROUP	0980920
Agricultural/Rural Development—Agricultural Development Health—Other Infectious Diseases			
9 participants / English			
OBJECTIVE		TARGET ORGANIZATION / GROUP	
<p>【Objective】 To develop human resources capable of research of protozoan diseases to improve the skills and competence of participants who are primarily responsible for laying the foundation for the development of control measures against diseases.</p> <p>【Outputs】 To attain the objective, the participants are expected to achieve the followings: (1) To be able to carry out basic research in vitro on particular zoonotic diseases, (2) To be able to share the knowledge, skills and technologies obtained in Japan with other staff members in the target organization, (3) To be able to improve and apply the effective control measures on protozoan diseases, (4) To be able to utilize the fundamentals and progress of major protozoan diseases as well as zoonoses.</p>		<p>【Target Organizations】 Private or public research and educational institutions</p> <p>【Target Group】 1) Holders of Bachelors or Masters of Science or graduates of veterinary medicine or medical science and with more than 3 years of experience in the target organization 2) Individuals engaged in research on animal or human protozoans, food-borne influenza and prion, and willing to continue the research relating to the output of the course 3) Age: Under 35 years old</p>	
CONTENTS		PROGRAM PERIOD	Oct.25.2009 ~ Aug.27.2010
<p>【Preparatory phase】 To submit the Inception Report which includes an introduction of work in the course, problems facing in the target country, fields of particular interest in the course and its reason.</p> <p>【Program in Japan】 This course mainly covers the following 7 themes. All participants are attached to a suitable research laboratory in one of the following fields. In each field, the participants will study the advanced technologies of diagnosis, treatment, prevention, and host pathological response through research in collaboration with instructors.</p> <p>(1) Functional Genomics and Genetic Biochemistry (2) Epidemiology and Control of Protozon Diseases (3) Molecular Genetics of Vectors (4) Molecular Diagnosis of Protozon Diseases (5) Advanced Preventive Medicine (6) Food-borne Bacterial Diseases and Chemotherapy (7) Emerging and Re-emerging Diseases</p> <p>The participants will make a mid-term and final report on the research subject for their presentation.</p>		IMPLEMENTING PARTNER	Obihiro University of Agriculture and Veterinary Medicine
		JICA CENTER	JICA Obihiro
		COOPERATION PERIOD	2005~2009
		REMARKS	A diploma will be awarded by the Obihiro University of Agriculture and Veterinary Medicine at the end of the course. Participants will be requested to answer the questionnaire about diffusion of outcomes of the program after returning home.

Plant Variety Protection 植物品種保護		GROUP 	0980924
Agricultural/Rural Development—Agricultural Policy and System			
		10 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】</p> <p>Currently, new varieties of plants should be protected in WTO•TRIPS agreement in each country, and the legal systems to carry out TRIPS agreement are adjusted in many developing countries. The objective of this program is to strengthen the implementation of plant variety protection system under UPOV in each country properly.</p> <p>【Outputs】</p> <ol style="list-style-type: none"> To understand the outline of plant variety protection (plant breeders' rights) system under UPOV and the Japanese System To learn the Japanese way of examining applied plant varieties for registration of plant variety protection To learn how to set up test guidelines used for the examination 	<p>【Target Organizations】</p> <p>Central Government or Local Government engaged in the system development for plant variety protection</p> <p>【Target Group】</p> <ol style="list-style-type: none"> Staff who is engaged in the system development for plant variety protection University graduate or equivalent academic background Age: 25-45 years old 		
CONTENTS	PROGRAM PERIOD	Aug.24.2009 ~ Nov.8.2009	
<p>This program consists of lectures, practical exercises, study tours, presentations and discussions. It mainly covers:</p> <p>(1) Outline of the plant variety protection system (Outline of the PBR system in Japan, Outline of the UPOV system, Ordinance of PBR in the legal bases, Implementation of the PBR system in developing countries and its application for facilitating the market economy, International harmonization of the PBR system, etc.)</p> <p>(2) Examination of applied plant varieties (Outline of the DUS test, Growing test, On-site inspection, Documentary examination, Simulation of applied plant variety for PBR registration, etc.)</p> <p>(3) How to set up test guidelines (UPOV and the Japanese protocol of making test guidelines, making test guidelines based on each country's preference, etc.)</p>	IMPLEMENTING PARTNER	NATIONAL CENTER FOR SEEDS AND SEEDLINGS	
	JICA CENTER	JICA Tsukuba	
	COOPERATION PERIOD	2005~2009	
	REMARKS		

GIS(Open Source Geographic Information Systems) Technology for Sustainable Management of Natural Resources and Agricultural Production GIS(地理情報システム)による天然資源・農産物の管理		GROUP 	0980987
Agricultural/Rural Development—Agricultural Policy and System			
		8 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】</p> <p>To promote the dissemination of FOSS (Free and Open Source Software) GIS to participants' countries in order to facilitate its use for the management of natural resources and agricultural production.</p> <p>【Expected Results】</p> <p>To reach the objectives, participants are expected to achieve the following:</p> <ol style="list-style-type: none"> To acquire basic theory and techniques of FOSS (GRASS, Mapserver and others) To obtain techniques to apply GIS through case study To learn the practical application of GIS in Japan for the sustainable management of natural resources and agricultural production To make an Action Plan to improve the management of natural resources and agricultural production by using GIS 	<p>【Organization】</p> <ol style="list-style-type: none"> Central or local governments in charge of policy-making for sustainable management of natural resources and/or agricultural production; Universities and institutes of agricultural sciences <p>【Group】</p> <ol style="list-style-type: none"> In a position to disseminate GIS technology Individuals belonging to one of the organizations mentioned above with over 5 years of experience Individuals with some experience of using GIS, but not experts 		
CONTENTS	PROGRAM PERIOD	Aug.17.2009 ~ Sep.26.2009	
<p><Preparatory Phase></p> <p>Creation of a Country & Job Report / Submission of a Questionnaire describing the current situation of using GIS at one's organization</p> <p><Program in Japan></p> <p>Introduction to GIS for the sustainable management of natural resources and agricultural production / Basic theory of GIS / How to manipulate the Linux-GRASS / Basic theory of Remote Sensing and its application / Spatial data sharing using Free and Open Source Software (FOSS) / Case Study / Application of GPS to GIS - GPS with GRASS / Application of GIS to the management of natural resources and agricultural production / Field Visit</p> <p><Post-Program Activities></p> <p>After the participants' return</p> <ol style="list-style-type: none"> To Report on the Action Plan to the respective supervisors and organizations To submit a Progress Report describing the progresses and/or results in realizing the Action Plan 	IMPLEMENTING PARTNER	Nagoya Univ. Int'l Cooperation C. for Agric. Education	
	JICA CENTER	JICA Chubu	
	COOPERATION PERIOD	2005~2009	
	REMARKS	http://icca.e.agr.nagoya-u.ac.jp/en/index.html	

Organic Agriculture Technology(Sustainable Agriculture) for Central Asia 中央アジア地域 有機農業技術(環境保全型農業)		R/F		0984033
		Agricultural/Rural Development—Agricultural Development		
Target Countries: Central Asian Countries		9 participants /		Russian
OBJECTIVE	TARGET ORGANIZATION / GROUP			
【Objectives】 This program aims to provide the participants with knowledge and techniques of organic agriculture. The participants are expected to consider how to diffuse the organic agriculture technology in participant's home country.	【Target Group】 (1) Technical officers in charge of agricultural development in central/local government (2) Members of agricultural organization (3) Members of NGOs working for agricultural development			
【Outputs】 (1) To understand the roles of government and farmers' organization to support farmers. (2) To learn theories and practice of organic agriculture technology. (3) To learn the risks of agrichemicals. (4) To formulate Action Plan describing how to diffuse the knowledge and ideas acquired in Japan to participant's home country				
CONTENTS	PROGRAM PERIOD	Jun.24.2009 ~ Jul.25.2009		
<Preliminary Phase> Formulation and submission of Job Report <Phase in Japan> (1) Overview of agriculture in Japan/Hokkaido, Agricultural cooperatives in Japan, Research institution of agriculture (2) Plant nutrition, Compost, Fertilizer and manure, Utilization of livestock wastes, Visiting farmers in Hokkaido (3) Agrichemicals, Agrichemical residue (4) Making materials to diffuse organic agriculture technology, Formulation of Action Plan <Finalization Phase> Implementation of the Action Plan and the report of the progress.	IMPLEMENTING PARTNER	Hokkaido International Agri-exchange Association(HIAA)		
	JICA CENTER	JICA Sapporo		
	COOPERATION PERIOD	2008~2010		
	REMARKS			

Upland Cereal Crops Management for Extension Officers in Asia and Africa アジア・アフリカ地域畑地帯農業管理普及職員		R/F		0984193
		Agricultural/Rural Development—Agricultural Development		
Target Countries: Asia and Africa region		9 participants /		English
OBJECTIVE	TARGET ORGANIZATION / GROUP			
【Objectives】 To develop human resources who can make and disseminate the solution for facing problem by applying intensive crop cultivation techniques and efficient extension system which learnt.	【Target Organizations】 Organizations which tackle agricultural technical guidance directly to upland cereal crops farmers (mainly wheat, potatoes and beans).			
【Outputs】 To attain the objective, the participants are expected to achieve the followings: (1) To be able to explain the intensive crop cultivation techniques, (2) To be able to explain the efficient and area specific extension systems, (3) To be able to sort out action plan to solve facing program of agricultural extension based on PDCA (Plan, Do, Check, Act) cycle.	【Target Group】 (1) Who address agricultural technical guidance directly to upland cereal crops farmers (mainly wheat, potatoes and beans). Exclude university researchers. (2) Age: 25-45 years old (3) More than 3 years practical experience in this field (4) Due to heavy field work activities, pregnant nominee is excluded			
CONTENTS	PROGRAM PERIOD	May.31.2009 ~ Jul.29.2009		
【Preparatory phase】 Submit the Inception report which includes contents of work, facing problems, particular interest in the program and its reason. Fill out the questionnaire.	IMPLEMENTING PARTNER	Agricultural Technology Center of Obihiro city, Obihiro City Public Corporation for Agriculture Promotion		
	JICA CENTER	JICA Obihiro		
	COOPERATION PERIOD	2007~2009		
	REMARKS	【Program in home country】 In accordance with the Interim report, submit the Final report including the progress of activities within 6 month.		
【Program in Japan】 This program consists of lectures, practical exercises, observations and discussions of the following contents: (1) Crop cultivation management (simple soil analysis, water saving irrigation techniques, organic farming), agricultural machinery, farm stay program (2) Cooperation activities with research institute, agricultural extension in Japan, agricultural cooperative system, women's activities in rural areas (3) Project cycle management, workshop for solving facing problems (4) Analyze the problems described in the Inception report and make a practical Interim report on activity objective after returning home, expected outputs and major contents of activities.				

Improvement and Modification of Agricultural Machinery for Africa アフリカのための農機具改良技術		R/F	0984194
Target Countries: Africa region		Agricultural/Rural Development—Agricultural Development	
		8 participants	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
【Objectives】 To develop human resources capable of repair and develop agricultural machines which are fit for cultivation method applying materials, parts and implements in participants' countries through understanding of principles of mechanism 【Outputs】 To reach the objective, participants are expected to achieve the followings: (1) To be able to explain mechanism and the way of performance test of agricultural machines, (2) To be able to explain improvement and repair techniques of agricultural machinery and countermeasures to its troubles to improve efficiency of agricultural machine use, (3) To be able to explain the efficient way of introduce and disseminate of agricultural mechanization and its service system in local area.	【Target Organizations】 ① Ministry of Agriculture (department of dissemination of agricultural machines, agricultural experimental station, agricultural cooperatives) ② Universities and research institutes 【Target Group】 (1) Agricultural extension staff and/or agricultural machine technicians (2) More than 3 years practical experience in this field (3) Due to field activities, pregnant nominee is excluded		
CONTENTS	PROGRAM PERIOD	Jan.6.2010 ~ Mar.6.2010	
【Preparatory phase】 Submit the Inception report which includes contents of work, facing problems, particular interest in the program and its reason. Fill out the questionnaire. 【Program in Japan】 This program consists of lectures, practical exercises, observations and discussions of the following contents: (1) Theory of agricultural machinery, Service system for agricultural machines, diffusion of techniques for machine maintenance, inspection service, (2) Basic techniques of agricultural machine, maintenance and improvement, dissemination of performance test and evaluation for agricultural machine, (3) Improvement techniques of agricultural machines, machinery design method (make plans of developed machines and drawing up instruction/ operating manual), (4) Analyze the problems described in the Inception report and make a practical Interim report on activity objective after returning home, expected outputs and major contents of activities.	IMPLEMENTING PARTNER	Obihiro University of Agriculture and Veterinary Medicine /Tokachi Industry Promotion Center	
	JICA CENTER	JICA Obihiro	
	COOPERATION PERIOD	2007~2009	
	REMARKS	【Program in home country】 In accordance with the Interim report, submit the Final report including the progress of activities within 6 month.	


Facility maintenance and water management on irrigation and drainage by joint program for counterpart personnel プロジェクトカウンターパート合同研修「灌漑排水のための施設管理・水管理」		R/F	0984274
Target Countries: Country, whose common language is English		Agricultural/Rural Development—Agricultural Development	
		14 participants	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
【Objective】 Concept on project planning and implementation, management and transfer to farmers after completion of project, in needed, in consideration with sustainable distribution of agricultural water to beneficiaries farmers are shared among organization concerned and farmers. 【Expected Results】 1. to understand Japanese governmental policy on rural development (especially in the field of irrigation and drainage) 2. to understand the role of each implementing body (nation, prefecture, organization, etc) on the implementation of irrigation and drainage project 3. to understand the function and role of in Japan 4. to understand various viewpoints to be considered for irrigation and drainage project (participatory approach, gender, environment, etc.) 5. to conduct a briefing based on results of domestic activities (create report) for officials in the organization and other stakeholders.	【Target Organizations】 Governmental organization engaged in planning, implementation and management of irrigation and drainage project 【Target Group】 <Position> "Advanced level" engineers involved in the planning, implementation and management of irrigation and drainage projects. <Experience> work experience (more than one year) as a counterpart of JICA projects <More> agricultural engineering technician		
CONTENTS	PROGRAM PERIOD	Aug.9.2009 ~ Sep.5.2009	
This course is for JICA Project C/P on knowledge of techniques/ system of irrigation/ drainage (water/facility management), to sustainable supply agricultural water to farm 1. Outline of Rural Development in Japan Canal Irrigation System 2. Project Implementation Process Watershed Management / Facility Maintenance 3. Water Users' Associations in Japan (Land Improvement District: LID) Participatory Irrigation Management: PIM / Operation and Management of LID 4. Environment and Development Development and Gender / PRA, RRA / PCM Outline / Monitoring and Evaluation 5. Conducting briefing, seminar and workshop	IMPLEMENTING PARTNER	JICA Tsukuba	
	JICA CENTER	JICA Tsukuba	
	COOPERATION PERIOD	2009~2011	
	REMARKS	Including practice of water management and facility maintenance in the Japanese government agency which has responsibility for water distribution to the feeder terminal and waterways	

Rice Production Research in Africa (Master's Degree: International Agricultural Development) アフリカ・コメ生産研究(長期)		L/T	0981101
Target Countries: Developing countries in the tropics		6 participants	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 Advanced research capability about rice production technology of officers or researchers who work for agricultural experimental station, university or governmental institutions of agriculture development office of plant quarantine is improved</p> <p>【Expected Results】 1. Making a research plan of Japan about the rice production study in Africa 2. To be able to explain the basic theory on rice production and rice post-harvest 3. To be able to explain the natural or social technologies on rice production through the research on experimental or survey and analytical practices 4. To be able to explain the current situation of agricultural production in Japan 5. Making a research plan in own countries</p>	<p>【Target Organization】 The organization such as agricultural experimental station, university or governmental institutions of agriculture development</p> <p>【Target Group】 Researchers who has an experience for more than 2 years. (more than 5 years experience is preferable) who completed the course of thremmatology, crop science, crop protection, agricultural economy, or farm management science in the university.</p>		
CONTENTS	PROGRAM PERIOD	Feb.7.2010 ~ Mar.31.2012	
<p>This program is designed for rice production technology in Africa, and those who need to learn basic technology for rice production of agronomy, breeding technology, plant protection technology, extension and farm management, and economic for rice post-harvest, and understand the practical plant protection in Japan</p> <p>1. Make a research plan in Japan, based on discussion with Japanese and respective countries' resource persons 2. Take the related lectures in Tokyo University of Agriculture 3. Conduct experiments on the topics from the country of origin to master the various technology for rice production 4. Visit institutions/farms related to rice production and take seminars and symposium on agricultural production in Japan 5. Make a reseach plan in own countries, based on discussion with Japanese and respective countries' resource persons</p>	IMPLEMENTING PARTNER	Division of International Agricultural Development, Graduate School of Agriculture, Tokyo University of Agriculture	
	JICA CENTER	JICA Tsukuba	
	COOPERATION PERIOD	2009~2011	
	REMARKS	Participate in a course of Tokyo University of Agriculture.	

Measurement and Treatment Technology for Persistent Organic Pollutants for Insurance of Safety and Reliable Foodstuff (Master's Degree) 食の安全・安心の確保のための残留性有機汚染物質の計測技術と対策処理技術(長期)		L/T	0981107
Target Countries: Countries that have foodstuff pollution by chemicals and fertilizer		1 participants	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 Each participant can develop his/her capacity in planning of investigation and problem solving in the field of foodstuff pollution through gaining knowledge and techniques in environment investigation, harmful chemical substances and analytical methods.</p> <p>【Expected Results】 (1) To identify problems and make draft of research plan (2) To acquire basic knowledge for handling environmental problems and are able to analyze environmental contamination and arrange problems in order (3) To make proposals for environmental improvement in order to solve problems in their countries</p>	<p>【Target Organization】 Research agencies or government involved in investigation and analysis in foodstuff pollutions and development of safe foodstuff.</p> <p>【Target Group】 Current Duties: be a researcher at research agencies or government involved in investigation and analysis in foodstuff pollutions and development of safe foodstuff Experience: university graduate and more than 2 years' experience in the field above Age: be under 40 years old (Age around 30 years old is preferred.) Applicants who work with JICA as counterparts are given priority.</p>		
CONTENTS	PROGRAM PERIOD	Sep.23.2009 ~ Sep.29.2011	
<p>This program aims to have participants learn investigation methods and analysis technology in regards to foodstuff pollution from environment polluting substances and to train participants who will take leading roles in planning and investigations for solving foodstuff pollution problems in their countries.</p> <p>(1.Practice and Presentation) -Making inception report on current situation and problems in the research field -Making draft of research plan by contacting with the supervisor in the university (2.Lecture, Practice and Research) -Lecture on Environmental investigation methods, environmental substance cycle theory, environmental, science of environmental measurements, air pollution theories, environmental improvement chemistry, and biological environment protection science research and other special lectures and hands-on training (3.On-Site Training and Research) -Site visit and on-site training at institutions where safe technology for food production is applied, and writing up of master's thesis</p>	IMPLEMENTING PARTNER	Center of Advanced Technology for the Environment, Faculty of Agriculture, Ehime University	
	JICA CENTER	JICA Shikoku	
	COOPERATION PERIOD	2009~2011	
	REMARKS		


Food safety 食の安全(長期)		L/T	0981127
Agricultural/Rural Development—Agricultural Development			
		3 participants /	English
OBJECTIVE		TARGET ORGANIZATION / GROUP	
<p>【Objectives】 To develop human resources to contribute for solving problems of food production and safety in the target country and its neighboring countries throughout the process of conducting research methods and planning research work.</p> <p>【Outputs】 To attain the objective, the participants are expected to achieve the followings: (1) To be able to explain basic animal and food hygiene, (2) To be able to explain basic subjects, (3) To be able to explain applying animal and food hygiene, (4) To be able to complete thesis on research work of their country's issue based on the output of above mentioned research activities.</p>		<p>【Target Organizations】 Governmental and educational research institutions in the fields of veterinary medicines and animal husbandry</p> <p>【Target Group】 (1) Teaching staffs, researchers, technicians, administrative officers who have more than 5 years of experience in this field. (2) To be no more than 40 years old</p>	
CONTENTS		PROGRAM PERIOD	Oct.1.2009 ~ Sep.30.2011
<p>【Program Japan】 Participants will take the following subjects and conduct research work, and make up a thesis summarizing the research content. (1) Core subject Epidemiology, Food safety economics, Animal production hygiene, Food hygiene, Food production chemistry, Risk analysis in livestock, Zoonoses, Recycle-oriented animal husbandry, Laboratory work on animal production hygiene (Food or Production) (2) Basic subject Basic veterinary medicine, Food nutrition chemistry, Animal husbandry (3) Selection subject Livestock applied molecular-biotechnology, Animal Resource Science, Infectious immunology, Animal welfare, Administration of food sanitation (4) Research work (5) Submission of thesis</p>		IMPLEMENTING PARTNER	Obihiro University of Agriculture and Veterinary Medicine, Graduate school, Faculty of Animal Husbandry
		JICA CENTER	JICA Obihiro
		COOPERATION PERIOD	2008~2010
		REMARKS	A master's degree in Animal and Food Hygiene will be awarded to those who fulfill the requirement of the program by the Obihiro University of Agriculture and Veterinary Medicine.

Sustainable Rice Cultivation 稲作を中心とした環境保全型農業の確立(長期)		L/T	0981139
Agricultural/Rural Development—Agricultural Development			
		2 participants /	English
OBJECTIVE		TARGET ORGANIZATION / GROUP	
<p>【Objectives】 Participants acquire sustainable production techniques through guidance from professors and master thesis writing. They also expected to learn knowledge and skill of comprehensive farm management for effective practice of the above techniques. Further, leadership and technique of their parent organization is also developed through practice of action plan made by participants.</p> <p>【Outputs】 (1) To clarify problems related to the field in home country and make training plans (2) To learn environmental-friendly technology for rice cropping (3) To research utilization of the acquired expertise in home country (4) Participants will make action plan that their organization should try to put the research achievement in practice.</p>		<p>【Target Organizations】 Agricultural officials of central/local government</p> <p>【Target Group】 (1) Agricultural officials in charge of the guidance and dissemination at the field level or their manager class officials (2) Individuals with at least 5 years of work experience in this field (3) Sufficient command of spoken and written English to be able to conduct the research</p>	
CONTENTS		PROGRAM PERIOD	Mar.10.2010 ~ Mar.31.2012
<p>(1) Before training starts, participants should make report about problems and its solutions related to the research field in home country. Based on the report, they will make training plan after consultation with professors. (2) In order participants to acquire expertise, the training will consist of seminar, thesis research and fieldwork. Participants will select the main research theme among the field of Soil Science, Plant Pathology, Animal Ecology, Agricultural Machinery, Agricultural Economics, and Zoology (Stock-holding Agriculture). Participants can study other subject in order to carry on their research. (3) Writing of master thesis and presentation of studies. If necessary, participants can have TV meeting with their parent organization during the training in order they can practice smoothly their action plan in the country. (4) Based on the master thesis, participants will make action plan of the parent organization so as to practice and utilize the research achievement in promotion activity. After they return to the country, Yamagata University will make follow-up guidance by TV meeting or dispatch of the study team if necessary.</p>		IMPLEMENTING PARTNER	Graduate School of Agricultural Sciences (Master Course), Yamagata University
		JICA CENTER	JICA Tohoku
		COOPERATION PERIOD	2008~2010
		REMARKS	This program is designed for agricultural officials to promote knowledge and techniques obtained at the field level. Thus, this program is not appropriate for researchers.

Agricultural Development and Environmental Preservation in Nile River Area ナイル川流域農業開発・環境保全支援(長期)		L/T		0981145
Target Countries: Countries which suffers from sever arid condition along the Nile River		1 participants		English
OBJECTIVE	TARGET ORGANIZATION / GROUP			
<p>【Objectives】 This program aims to help participants acquire appropriate research knowledge and skills to conduct sustainable and environmental-friendly agricultural and water resource development in arid and semi-arid areas in countries of the Nile River Basin.</p> <p>【Outputs】 (1) To acquire basic knowledge and skills in the selected research field (2) To apply the knowledge and skills acquired at (1) in practical trainings. (3) To write a thesis on a selected research field, which contributes to solving the problems in their respective countries</p>	<p>【Target Organizations】 Governmental organizations or research institutions which deal with agricultural development (Esp. irrigation water resource development)</p> <p>【Target Group】 (1) to have more than 3 years of experience in the field of Agricultural Development / Environment Protection in arid land areas. (2) less than 40 years of age</p>			
CONTENTS	PROGRAM PERIOD	Sep.23.2009 ~ Oct.2.2011		
<p>(1) Lectures / practical training on Bioproduction Science / Agricultural Environment and Forest Sciences / Agricultural Management and Information Science (2) Internship / field trip (3) Writing a master thesis which contributes to solving the problems in their respective countries</p>	IMPLEMENTING PARTNER	Graduate School of Agriculture and Graduate School of Engineering, Tottori University		
	JICA CENTER	JICA Chugoku		
	COOPERATION PERIOD	2008~2010		
	REMARKS	Participants will be awarded with Master's Degree in Agriculture from Tottori University upon successful completion of this program		


OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 The participants are expected to achieve the followings; Agricultural policy and food supply–demand planning based on agricultural statistics will be prepared and arranged at participant’s organization.</p> <p>【Expected Results】 To achieve this program objective, participants are expected in Japan;</p> <ol style="list-style-type: none"> To improve the ability in agricultural policy making and food supply–demand planning towards sustainable agricultural production, To enhance further understanding of the necessity to improve agricultural statistics for agricultural policy making and food supply–demand planning, To consolidate knowledge on the methods of planning, designing and implementing agricultural census and sample survey suitable to respective country, To acquire knowledge of the quick–working and effective means of implementing statistical survey utilizing new technologies, and To obtain know–how to prepare the action plan for agricultural policy making and food supply–demand planning utilizing agricultural statistics. 	<p>【Target Organizations】 Agricultural administration agencies of the central government (ex. Ministry of Agriculture, etc.) which has Department / Bureau responsible for agricultural statistics or agricultural policy making and/or food supply–demand planning.</p> <p>【Target Group】 1. Officers who are statistics specialist, or holding the position of deputy (assistant to) head of policy making or statistics division. 2. have more than 5 year’s experience working in the central governmental agencies or other related organizations. 3. be able to operate the personal computer and software (cf. Word, Excel, PowerPoint, etc.) up to a certain level.</p>	
CONTENTS	PROGRAM PERIOD	Jul.21.2009 ~ Sep.5.2009
<ol style="list-style-type: none"> Preliminary Phase in a participant’s home country (by participating country side) Making “Inception Report” to list up related issues confronting the organization the participant is affiliated to and share the views with colleagues. The Report should be including; ①To clarify, analyze and recognize the CONTEXT to agricultural policy making and planning based on agricultural statistics by use of the concept of Capacity Assessment ②General situation on agricultural policy making and implementation, and on agricultural statistics, etc. Core Phase in Japan ①to improve the ability in agricultural policy making and food supply–demand planning towards sustainable agricultural production. ② to enhance further understanding of the necessity to improve agricultural statistics for agricultural policy making and food supply–demand planning. ③To consolidate knowledge on the methods of planning, designing and implementing agricultural census and sample survey suitable to respective country. ④to acquire knowledge of the quick–working and effective means of implementing statistical survey utilizing new technologies. ⑤to obtain know–how to prepare the action plan for agricultural policy making and food supply–demand planning utilizing agricultural statistics. Finalization Phase in a participant’s home country (by participating country side) ① To hold workshop on agricultural statistics as well as agricultural policy making and food supply–demand planning using knowledge and experiences in Japan, by ownership of participating organization. ② Approved by participant’s organization of Action Plan ③ Participant implement the activities based on the approved Action Plan. ④ Participants make and submit the “Progress Report” on situation of implementation of Action Plan, ⑤ Participants make and submit the “Final Report” on results of implementation of Action Plan. 	IMPLEMENTING PARTNER	Food Marketing Research and Information Center
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2007~2009
	REMARKS	


OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Farm machinery and tools developed by participants through the training will be disseminated to small-scale farmers.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>1.</p> <p>(1) To clarify the problems on using farm machinery in their respective rural areas</p> <p>(2) To learn the methods of design manufacturing, and evaluation of performance</p> <p>(3) To manufacture appropriate machinery and tools.</p> <p>(4) To formulate an interim report (action plan) to solve the problems in their respective rural areas</p> <p>2. After returning to their home countries, participants will manufacture and disseminate the appropriate machinery prior to the review of the interim report.</p>	<p>(1) Leaders of farmers' groups, government officers, reserchers, instructors and technicians dedicated for farm machinery production in rural areas or agricultural extension workers.</p> <p>(2) Expect to continue the rural development after the training</p> <p>(3) University graduates or equivalent</p> <p>(4) Age: 25-45 years old</p>	
CONTENTS	PROGRAM PERIOD	Feb.8.2010 ~ Oct.16.2010
<p>1. Preparatory phase</p> <p>Create an inception report of their study describing the following items in the rural area:</p> <p>(1) The problems on using farm machinery in their own workplace and/or the rural area of their responsibility (from the viewpoint of agricultural productivity and reduction of workload for women & youth labor)</p> <p>(2) Tentative analysis for solving identified issues</p> <p>(3) Availability of facilities for farm machinery production such as machine tools, materials, workshop and relevant conditions</p> <p>2. Program in Japan</p> <p>(1) Analyze the problems of farm machinery utilization</p> <p>(2) Fabricate farm machinery and tools</p> <p>(3) Interim report (action plan) description</p> <p>Lectures: Rural development, extension method of agricultural techniques, mechanization planning, mechanisms and operation of farm machinery in Japan, introduction of appropriate mechanization, designing of tools, etc.</p> <p>Practice: Rice production systems, manufacturing, testing & evaluation for farm machinery</p> <p>Observations: Manufacturers & farm machinery</p> <p>3. After participants' return</p> <p>(1) The actions described in the interim report are reviewed, authorized and implemented.</p> <p>(2) The results of the actions taken by the organization and the program participant are reported as a final report within a year after return.</p>	<p>IMPLEMENTING PARTNER</p> <p>JICA CENTER</p> <p>COOPERATION PERIOD</p> <p>REMARKS</p>	<p>TSUKUBA INTERNATIONAL CENTRE, JICA</p> <p>JICA Tsukuba</p> <p>2005~2009</p> <p>JICA will implement a survey on the activities undertaken by participants. Reports sent by participants are considered as final reports.</p>


Integrated Agriculture and Rural Development Through the Participation of Local Farmers 農民参加による農業農村開発		GROUP  0980211
		Agricultural/Rural Development—Rural Development
		12 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 This course is designed to acquire "Participatory Rural Development methods" in addition to "Rural development planning methods" and "Management methods of farmers organizations", so as to be able to formulate rural development plans taking into consideration the local farmers' needs of in the participants' responsible area.</p> <p>【Expected Results】 1. To make job reports through a preliminary activity. 2. To learn the following methods through the training in Japan: (1) To be able to sum up local farmers' opinions, and to set up appropriate tasks and targets to establish rural-area development plans for the responsible. (2) To learn rural development planning methods in Japan's local administrative organizations, and become able to adapt such methods to their responsible areas. (3) Become able to establish farmers' organization support policies in the responsible areas, through learning management methods of farmers' organizations in Japan. 3. During the training course in Japan, make an action plan which will be the guideline for the future activities after returning to participants' respective countries.</p>	<p>(1) Individuals nominated by their government. (2) Individuals in central or local government in the field of rural agricultural development with more than 5 years of experience. (3) Under 50 (fifty) years of age; (4) University graduates or equivalent; (5) Proficient in speaking and writing English. (6) Individuals in good health, physically and also mentally, to undergo the course of training. (7) Individuals able to submit monitoring reports regarding the progress of Action Plans, to an overseas Japanese Embassy or to JICA Tsukuba through a JICA overseas office, one year after returning home.</p>	
CONTENTS	PROGRAM PERIOD	Nov.16.2009 ~ Dec.20.2009
<p>1. To learn participatory rural development methods (1) Participatory rural development and gender (2) Rural restoration process after the War (3) Introduction of overseas participatory development examples (4) PCM Workshop</p> <p>2. To learn rural planning methods (1) Rural planning methods (2) Agricultural and rural development in Japan (3) Rural social and economical surveys (4) Systems of enterprises and planning in local municipalities</p> <p>3. To learn methods of making farmer's organization (1) Activities of agricultural cooperatives/Organizing farmers (2) Activities of livelihood improvement groups and entrepreneurs' groups (3) Roles of farmers' organizations (water-users' associations)</p> <p>4. To make reports, action plan, etc. (1) Job report presentation meeting (2) Action plan presentation</p>	IMPLEMENTING PARTNER	Under planning
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2006~2010
	REMARKS	


Cattle Artificial Insemination Extension System 牛人工授精普及システム		GROUP 	0980714
Target Countries: Countries with a meat cattle industry		10 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>The purpose of this program is to provide participants with basic knowledge and practical techniques coupled with the latest information on cattle production, related improvement technology, semen production, artificial insemination, genetic improvement method, extension system, and artificial insemination planning and thus to assist them in designing their own systems in their respective countries.</p> <p>Through the training program, participants are expected:</p> <ol style="list-style-type: none"> 1. To gain thorough understandings of extension system of cattle AI to be able to plan and design the extension systems in the respective countries, 2. To understand the reproduction of female cattle to be able to practice the AI and the pregnancy diagnosis, 3. To understand the feeding management of female cattle to apply the acquired knowledge to the improvement of reproduction, 4. To understand the dilution and freezing of cattle semen to be able to practice the process from semen collection to semen freezing, and 5. To understand the theories of genetic improvement in cattle to be able to set up targets for the improve in the respective countries. 	<p>Be engaged in administration, research and/or extension works in the livestock industry, holding a veterinarian's license or artificial inseminator's license.</p> <p>University graduate or equivalent academic background and practical experience.</p> <p>Under 40 years old in principle.</p>		
CONTENTS	PROGRAM PERIOD	May.19.2009 ~ Aug.15.2009	
<p>The program will consist mainly of lectures and practical training, in which the NLBC staff and visiting professionals will provide expertise and instruction on the respective subjects. This will be supplemented by observational trips to related agencies and institutions. The major subjects are as follows:</p> <ol style="list-style-type: none"> (1) Outline of the livestock industry (2) Technical extension (3) Reproductive physiology/reproduction management (4) Artificial insemination/pregnancy diagnosis method (5) Breeding management/improvement of reproduction (6) Semen production technology (7) Genetic improvement 	IMPLEMENTING PARTNER	NATIONAL LIVESTOCK BREEDING CENTER	
	JICA CENTER	JICA Tohoku	
	COOPERATION PERIOD	2006~2010	
	REMARKS		


OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 Researchers who are in charge of Conservation and Sustainable Use of Plant Genetic Resources become to prepare Action Plans of technical transfer to their own job and their organization.</p> <p>【Expected Results】 1. A well summarized report to explain the present status of the countries and their institutes 2. A report compiled to explain the conservation of plant genetic resources the activities of the countries 3. Capacity building on integrated knowledge and technology concerning plant genetic resources research fields 4. Acquisition of research capacity on plant genetic resources research through implementation and data analysis of individual experiments 5. A proposal to transfer and use obtained knowledge and experimental techniques after going back to their countries</p>	<p>Applicants should: (1) be university graduates or equivalents, MSc holder preferable but non Ph. D. holders, (2) be presently engaged in research work in the field of plant genetic resources with more than 3 years of experience, (3) be over 25 and under 40 years of age, (4) have a sufficient command of spoken and written English to be able to conduct research</p>	
<p style="text-align: center;">CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>May.7.2009 ~ Nov.1.2009</p>
<p>1. Participants are requested to compile an inception report on the present situation on the plant genetic resources, problems to be solved, and research capacity of the countries and especially of their affiliated institutes. 2. Participants are requested to understand prevailing international situation on plant genetic resources and the present status of their countries. 3. Participants have to acquire necessary knowledge and technology for exploration, conservation, information management, evaluation and utilization of plant genetic resources in relation with crop breeding. 4. Participants should acquire necessary experimental techniques and research capability by making plans, implementation and data analysis of individual investigation of topics on plant genetic resources. 5. Participants should make a proposal to transfer knowledge and experimental methodology obtained to their affiliated institutes and other institutes in their countries.</p>	<p>IMPLEMENTING PARTNER</p>	<p>National Institute of Agrobiological Sciences (NIAS)</p>
	<p>JICA CENTER</p>	<p>JICA Tsukuba</p>
	<p>COOPERATION PERIOD</p>	<p>2008~2010</p>
	<p>REMARKS</p>	


Rice Cultivation Techniques Development 稲作技術開発		GROUP  0980771
		Agricultural/Rural Development—Agricultural Development
		8 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 To acquire rice cultivation techniques and methods of assessment of traditional techniques based on local needs through conducting experiments, themes of which are decided by the participants' organizations, and to formulate an authorized Action Plan for capacity development of the participants' organization.</p> <p>【Expected Results】 1.Participants analyze technical and organizational issues on development rice cultivation techniques and organizations. 2.Participants understand fundamental rice cultivation techniques and methods of research. 3.Participants conduct individual experiment and write experimental report based on the results of it. 4.Participants understand various knowledge and methods for solving issues on development rice cultivation techniques. 5.Participants formulate Action plan for solving issues on development rice cultivation techniques and the plan is authorized by the organization.</p>	<p>【Target Organizations】 Administrative Body, Research and Experiment Station, Extension Center, etc.</p> <p>【Target Group】 1.Researchers or technicians in the field of rice. 2.At least 3 years of experience in the above field 3.University graduates or with equivalent background in the Agronomy</p>	
CONTENTS	PROGRAM PERIOD	Feb.8.2010 ~ Nov.14.2010
<p>【Preparatory Program】 1.Analyzation of issues on development rice cultivation techniques and organizations <Preparation of Inception Report></p> <p>【Program in Japan】 2.Acquisition of basic techniques on rice cultivation (Morphology, Physiology and Ecology, Soil Environment and Physiology of Plant Nutrition, Rice Breeding, Weed Control, Diseases and Insect Pests) and basic research methods (Statistical Analysis, Referring scientific literature) <Lectures, Observations and Practices, Study Tours></p> <p>3.Implementation of indivisual experiment <Preparation and presentation of technical report></p> <p>4.Acquisition of various knowledge and methods for solving issues (Extension methods, Project Cycle Management) <Preparation of Action Plan></p> <p>【Post Program】 5.Discussion, revision, authorization and submission of Action Plan</p>	IMPLEMENTING PARTNER	Overseas Agricultural Development Organization (OADA)
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2008~2010
	REMARKS	


Foodborne Infection Prevention 食品微生物検査技術		GROUP 	0980808
Target Countries: Country which needs to improve food security and quality.		5 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 A plan to diffuse microbial examination techniques for upgrading inspection capability will be formulated by food inspection organization.</p> <p>【Outputs】 (1) To share information on the current situation and issues of participating countries (2) To be able to explain about the features of main pathogenic microorganisms causing food infection and latest inspection methods b (3) To be able to explain about the concept and practice of GLP (Good Laboratory Practice) (4) To be able to practice rapid and simplified techniques (5) To formulate action plan (interim report) on use of acquired knowledge and skills to share with lab staff in the same organization</p>	<p>【Target Organizations】 Governmental and non-governmental organizations in the field of food microbial inspection</p> <p>【Target Group】 (1) Current Duties: be a researchers or technical officer presently engaged in food microbial inspection in laboratory. Inspectors engaged only in sampling are not suitable for this course. (2) Experience: have more than three (3) years' experience in the field of food microbial control (3) Educational Background: be a graduate of university or equivalent</p>		
CONTENTS	PROGRAM PERIOD	Feb.1.2010 ~ May.1.2010	
<p>This program aims to upgrade the technical skills and methods necessary for conducting proper food microbial inspection to prevent foodborne infection and health hazards.</p> <p>【Preliminary Phase in a participant's home country】 Formulation and submission of job report. Preparation for the report presentation</p> <p>【Core Phase】 <u>Related to output (1):</u> Lectures and Presentation Presentation of job report and following discussion. Food Sanitation Law and monitoring of imported foods <u>Related to output (2):</u> Lectures and Lab Practices Present situation of foodborne infection in Japan Standardization of examination methods for foodborne microorganisms Alternative methods which are not approved officially in Japan Food poisoning bacteria and inspection method (<i>Listeria</i>, <i>Campylobacter</i>, <i>Clostridium perfringens</i>, etc.) Microbial examination for Food Standards (<i>Salmonella</i>, <i>E-coli</i> O157 etc.) Isolation and identification of coliforms, <i>Staphylococcus aureus</i>, etc. Inspection of Norovirus and Protozoa <u>Related to output (3):</u> Lectures and Lab Practices Examination for Pathogenic <i>Vibrio</i>, GLP <u>Related to output (4):</u> Lectures and Lab Practices Simple and rapid inspection method of foodborne bacteria such as ELISA, EIA, Chromogenic medium, PCR, etc. <u>Related to output (5):</u> Making and presentation of action plan Guidance sessions on the theme of action plan</p> <p>【Finalization Phase in a participant's home country】 Explanation of the action plan and submission of its final report compiled by a participating organization to JICA three (3) months after the return.</p>	IMPLEMENTING PARTNER	Kobe Quarantine Station, Ministry of Health, Labour and Welfare	
	JICA CENTER	JICA Hyogo	
	COOPERATION PERIOD	2008~2010	
	REMARKS	Current issues such as Norovirus, <i>Campylobacter</i> , <i>E-coli</i> O157, etc. are included in the curriculum in order to meet the needs of participating countries.	

Integrated Pest Management for Plant Protection 植物保護のための総合防除		GROUP  0980810
		Agricultural/Rural Development—Agricultural Development
		12 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 the agricultural extension workers realize implementation of IPM plan suited for the climatic, economic and social conditions of each participating country for farmers in the jurisdictional area of the organizations to which participants belong. The participants should learn global needs for sustainable system not only for food production but in conservation of landscape and biodiversity.</p> <p>【Outputs】 (1) To be able to explain about the background, theoretica basis and practices of the Integrated Pest Manament (IPM). (2) To be able to explain about plant diseases; diagnosis and control plan. (3) To be able to explain about insect pests; diagnosis and control plan. (4) To be able to explain about weeds; diagnosis and control plan. (5) To be able to explain about chemical control, biotechnological method, etc. (6) To make IPM plan suited for each country (7) To implement IPM plan</p>	<p>【Target Organizations】 central and local governmental organizations including research organizations, universities and extension offices in the field of plant protection</p> <p>【Target Group】 Technical officers in charge of plant protection</p>	
CONTENTS	PROGRAM PERIOD	May.25.2009 ~ Sep.5.2009
<p>【Preliminary Phase in a participant's home country】 Formulation and submission of Job Report</p> <p>【Core Phase in Japan】 (1) Lectures on the theory and application of Integrated Pest Management to control plant pests; visiting institutes of advanced researches; feld practices at applied experimental stations. (2) Discussion on infection mechanism and control of plant pathogens; laboratory practices in the identification, inoculation experiments, and genetic analyses of resistance. (3) Discussion on forecasting and control of pest insects, including biological control: laboratory and field practices in the insect rearing, insect population estimation, propagation of natural enemies, and genetic analyses of resistance. (4) Discussion on theory and practice of weed control; laboratory practices in the chemical and ecological control of weeds. (5) Discusssion on chemical control and advanced biological technology, including GMO, for pest management; laboratory practices in the synthesis and bioassey of bioactive substances. (6) IPM Plan preparation and presentation</p> <p>【Finalization Phase in a participant's home country】 Application and implementation of IPM plan in the participant's country and submission of its progress report</p>	IMPLEMENTING PARTNER	Graduate School of Agricultural Science, Kobe University
	JICA CENTER	JICA Hyogo
	COOPERATION PERIOD	2008~2010
	REMARKS	


Thermal treatment for the disinfection of fruit flies ミバ工類温度処理殺虫技術		GROUP 	0980824
Target Countries: Presence of economically damage fruit flies in the country		5 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objectives】 Plant quarantine technicians in countries infested with fruit flies acquire quarantine treatment techniques suited to their conditions.</p> <p>【Outputs】 To reach the objective, participants are expected to achieve the following: (1) Participants can explain how to rear fruit flies in laboratories and how to make infested fruits for the disinfection test. (2) Participants can explain the procedures of a series of thermal disinfection test and the methods of experimental data analysis, after actually conducting these trials in the heat treatment and the cold treatment. (3) Participants can explain the procedures of a series of fruit heat or chilling injury test and the methods of experimental data analysis, after actually conducting these trials. (4) Participants can explain the fruit fly eradication program and the control of fruit flies, Japanese distribution system for imported agricultural commodities and the plant quarantine system in the participant's countries and Japan, after getting information about them. (5) Participants can explain about the problems of fruit flies, and can make an action plan for them.</p>	<p>【Target Organizations】 Plant quarantine organization</p> <p>【Target Group】 (1) Current Duties: be engineers of plant quarantine treatment(s) (vapor heat, cold treatment, etc), inspectors and officials of plant protection sectors (2) Experience: have experience in the plant quarantine works and have sufficient knowledge about fundamental entomology such as fruit flies (3) Educational Background: be university graduate or equivalent (4) Language: have a good command of English enough to make an oral presentation and write a report (5) Age: be under forty-six (46) years of age</p>		
CONTENTS	PROGRAM PERIOD	May.12.2009 ~ Sep.5.2009	
<p>This program is designed for plant quarantine sections of central or local governments to disseminate effective and suitable techniques for plant quarantine to develop their knowledge and skills which enable to participate in international trade.</p> <p>1.Preliminary Phase in a participant's home country (1)Analysis current issues in plant quarantine in participants' jurisdictional areas and their organizations (2)Formulation and submission of Job Report to JICA together with Application Form</p> <p>2.Core Phase (activities in Japan) (1) •Morphology and Taxonomy of fruit flies (Lecture and Exercise), •Genetic analysis (Lecture and Exercise), •Ecology and rearing methods of fruit flies (Lecture and Exercise), •Preparation of the Infested fruit (Exercise) (2) •Disinfection methods on plant quarantine (Lecture and Observation), •Techniques of disinfection test in heat and cold treatment (Lecture and Exercise) (3) •Fruit injury test in vapor heat and cold treatment(Lecture and Exercise),, •Method of data analysis in fruit injury test(Lecture and Exercise) (4) •Plant Quarantine system in Japan (Lecture and Observation), •Eradication Techniques for Pests (Lecture and Observation), •Japanese distribution system for imported agricultural commodities (Lecture and Observation) (5) •SWOT Analysis(a method of issue analysis) (Lecture and Exercise), •Drafting and Presentation of Action Plan (Exercise and Discussion), •Writing and Presentation of Final Report (Exercise)</p> <p>3.Finalization Phase (activities in home country) Application and implementation of the action plan back in the participants' countries and submission of their progress report to JICA in six (6) months after the end of the phase in Japan</p>	IMPLEMENTING PARTNER	Naha plant protection station, Ministry of Agriculture, Forestry, and Fisheries	
	JICA CENTER	JICA Okinawa	
	COOPERATION PERIOD	2008~2010	
	REMARKS	Expectations for the Participants: be related with JICA programs in this field will be preferable	


Poultry Production, Management and Disease prevention Technology 鶏飼養管理・生産技術及び鶏病対策		GROUP 	0980826
		Agricultural/Rural Development—Agricultural Development	
		10 participants	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objectives】 The program point is dissemination of the knowledge and technology for poultry industrial promotion suitable for the area condition and therefore supervision, lead and advice of the administrative officer or the technical expert of the educational institution at the national or the regional level are necessary.</p> <p>【Outputs】 (1)No1 To understand Feeding Management in poultry, and to be able to conduct and disseminate poultry management suitable for the area condition and poultry performance. (2)No2 To understand Reproduction and Breeding in poultry, and to be able to apply the result to breeding and multiplication of breeds suitable for the area condition. (3)No3 To understand Nutrition and Feed, and to be able to apply the result to designing feed (4)No4 To understand Health control measures in poultry, especially basic disease control concerning avian flu, and to be able to conduct and disseminate proper prevention of disease for the environmental condition. (5)No5 To understand comprehensive knowledge and skills on poultry farming, and to be able to plan poultry industry development policy suitable for the area condition.</p>	<p>【Target Organizations】 administrative organ, technical extension organ and research and educational institute</p> <p>【Target Group】 (1)Farming administrative/technical extension staff in central and local government/institute (2)Individuals who have more than 3 years experiences in poultry (3)University graduates or equivalent (4)Individuals with a good command of English (5) Age: under 45 years old (6) Individuals in good health, both physically and mentally, to undergo the course of rigorous training (7)Must not be serving any form of military service</p>		
CONTENTS	PROGRAM PERIOD	Aug.25.2009 ~ Nov.28.2009	
<p>(1) •Lecture on: 1) metabolism and feeding management for improving growth and egg productivity, 2) growth of the embryo. Practice on egg candling, observation of hatching, selection of normal chicks and calculation of hatching rate, 3) rearing chick management and chick sexing (incl. practice), 4) manure fermentation and utilization and visit to related institute, 5) transition, current situation and future prospect of facilities for poultry production and visit to relate to facilities and institutions. (2) •Lecture and practice on reproductive physiology. • Practice on semen collection and artificial insemination. • Lecture on the history of poultry domestication in Japan and basic theory of genetic improvement. (3) •Lecture on: 1) outline of poultry nutrition, 2) nutritional characteristics of common feed and the ones which are used in the developing countries, 3) theoretical feed designing method (incl. practice), 4) utilization of byproducts to livestock feed and visit to related facility. •Practice on proximate analysis method of feed ingredients. (4) •Lecture and practice on epidemic prevention (disinfecting method of poultry houses and equipment, the type of vaccines and their applying methods, diagnostic method of major infectious disease, quarantine of imported animal). Visit to related institutions. • Lecture on health control measures based on the lecturer's experience in developing countries. • Lecture and practice on symptoms, diagnoses and autopsied findings of major infectious disease especially focus on avian flu. • Explanation on the outbreak of avian flu in Japan (Yamaguchi, Okayama and Kyoto pref.) and the measure of the government. • Lecture on zoonotic infection and its preventive measures. (5)• Lecture and practical training on basic knowledge of rural development. • Lecture on dissemination condition of all the country of the world. • Lecture on promoting indigenous breed chicken production and rural revitalization. Visit to related organizations. • Making, presentation and discussion about Action Plan by every participant. • Lecture and practice on PCM (Project Cycle Management) method. • Lecture on marketing of eggs and chicken. Visit to related organizations and institutions.</p>	IMPLEMENTING PARTNER	National Livestock Breeding Station Incorporated Administrative Agency	
	JICA CENTER	JICA Tohoku	
	COOPERATION PERIOD	2008~2010	
	REMARKS		

Soil Diagnosis Technology for Sustainable Agricultural Production and Environmental Conservation 持続的農業生産と環境保全のための土壌診断技術		GROUP  0980850
		Agricultural/Rural Development—Agricultural Development
		7 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 Soil diagnosis (physical, chemical and biological) techniques and its usage are shared with researchers and engineers in the target organization.</p> <p>【Outputs】 To attain the objective, participants are expected to achieve the followings: (1) To be able to explain the relationships between agriculture and weather, terrain and soil conditions, (2) To be able to explain the concepts and methods of soil diagnosis to achieve the stable and added value agricultural production, (3) To be able to explain the concepts and methods of proper management and dissemination toward sustainable agriculture, (4) Activity plans (Interim reports) concerning dissemination of techniques is worked out, (5) To be transmitted the knowledge and techniques based on the activity plans.</p>	<p>【Target Organizations】 Agriculture related organizations implementing or considering the introduction soil analysis and diagnosis</p> <p>【Target Group】 (1) Researcher, analyst or university teaching staff of soil analysis (2) More than 3 year practical experience in soil analysis and technical guidance of cultivation (3) Age: 27-50 years old</p>	
CONTENTS	PROGRAM PERIOD	May.10.2009 ~ Jul.31.2009
<p>【Preparatory phase】 Submit an Inception report which includes contents of work, facing problems, particular interest in the program and its reason. Fill out the questionnaire.</p> <p>【Program in Japan】 This program consists of lectures, practical exercises, observations and discussions of the following contents: (1) Agricultural overview on world's and Japan's, especially Tokachi agriculture (2) Introduction to soil diagnosis (Soil analysis, utilization of soil diagnosis) (3) Soil improvement techniques (Water quality, soil heavy metal analysis and cooperation between farming and stockbreeding) (4) Project Cycle Management (5) Analyze the problems described in the Inception report and make a practical Interim report on activity objective after returning home, expected outputs and major contents of activities.</p> <p>【Program in home country】 In accordance with the Interim report, submit the Final report including the progress of activities within 6 month.</p>	IMPLEMENTING PARTNER	Obihiro University of Agriculture and Veterinary Medicine
	JICA CENTER	JICA Obihiro
	COOPERATION PERIOD	2009~2011
	REMARKS	


Vegetable Cultivation Technology for small scale farmers 小農支援のための野菜栽培技術		GROUP  0980858
		Agricultural/Rural Development—Agricultural Development
		12 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 The plan of dissemination of vegetable cultivation technology extracted as a problem in responsible area is made in belonging organization</p> <p>【Expected Results】 1. To be able to explain the situation and problems of both vegetable cultivation in small scale farmers and vegetable technology extension system 2. To be able to demonstrate Japanese useful vegetable cultivation technologies 3. To be able to demonstrate the vegetable cultivation technologies, which participants extracted before. 4. The draft plan (or, teaching materials plan) for disseminating the vegetables cultivation technology extracted as a problem in a small scale farmers is summarized as an action plan 5. Making a final action plan after consideration of the action plan in the belonging organization</p>	<p>【Target Organizations】 The organization of responsible for vegetable production or extension, such as agricultural research institute or university, agricultural extension institutes and NGO.</p> <p>【Target Group】 Personnel with work experiences in vegetable production or extension for more than 3 years.</p>	
CONTENTS	PROGRAM PERIOD	Feb.7.2010 ~ Nov.13.2010
<p>This program is designed for the organization such as agricultural research institute or agricultural extension institutes, to learn the basic vegetable cultivation technology, develop the capacity to adapt the technology to the respective countries and make a dissemination plan of it.</p> <p>【Program in Japan】Making and presentation of Inception Report 【Program in Japan】Common lecture and experiments (Main topics)(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 【Program in Japan】Individual experiments planning, implementing and compiling (Topics are considered based on extracted problems) 【Program in Japan】Action plan making 【Post Program】Considering the action plan in belonging organization, and submit the output as a final report</p>	IMPLEMENTING PARTNER	JICA Tsukuba
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2009~2011
	REMARKS	Individual experiment will be planned according to the issues that each participants or their institutions analyze.


OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 Participants develop self-reliant capacity to control animal diseases including transmissible diseases between human being and animals and assure safe-food. In addition, participants practice concrete activities to improve problems of the belonging organization, after returning to the respective countries.</p> <p>【Expected Results】</p> <ol style="list-style-type: none"> 1. To learn necessary technologies to diagnose and prevent animal disease 2. To learn necessary comprehensive knowledge about animal research 3. To learn data analysis and reporting of research papers 4. To practice technologies, knowledge and skills gained 	<p>【Target Organizations】 National Institute and universities of veterinary research, Institutes for animal diseases diagnostics</p> <p>【Target Group】 *Veterinarian who is not on the register in military forces *More than 5 (five) years experience in related fields *25~45 years old *Sufficient command of spoken and written English to be able to conduct research</p>	
CONTENTS	PROGRAM PERIOD	Mar.25.2010 ~ Oct.31.2010
<p>Participants develop research capacities in designing, planning, reporting and evaluation and establish systems to solve problems in animal health in respective countries.</p> <ol style="list-style-type: none"> 1. Training, example lecture, inspection, investigation to carry out the researches identifying and solving problems related to animal health , animal disease(virus, bacteria, eumycetes, protozoan, parasite, prion etc), diagnosis for production, toxicity, pathology, epidemiology, genetic engineering. 2. For knowledge acquisition of attendance of the latest lecture of the veterinarian subject and contribute to effective progress of the individual training. In addition, by trip of training to veterinarian related facility and learn it about the duties, organization and contribute to the acquisition of practical use. 3. Development of persons by training till they announce it in final report. 4. Development of PCM technique and lecture of the action plan, technical guidance assuming the practical to carry out the research contributing to the development of country after return home. In addition technical guidance for the member of training performed after return home if necessary. 	IMPLEMENTING PARTNER	National Institute of Animal Health
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2009~2011
	REMARKS	<p>The problem solving on the domestic animal hygiene in each country concerned is supported by guiding the taking summary of the execution result with technical support, when putting the action plan into reality after participants return home.</p>

Appropriate Management of Land and Water Resources for Effective Utilization in Arid/Semi-arid Regions 乾燥地における土地・水資源の適正管理と有効利用		GROUP 	0980890
Target Countries: Africa, Arabian countries where aridity index is less than 0.5		10 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 Chief engineers of central and regional government who are in charge of land and water resources management, and researchers in the same field, will acquire necessary knowledge for the proper management of land and water resources, and disseminate what have acquired to within respective organizations in their home countries.</p> <p>【Outputs】 To achieve the above mentioned objective, the participants will acquire sufficient knowledge and skills in the following fields: (1) monitoring and analysis of land and water resources (2) proper utilization of water resources (3) field water management (4) land use and land management (5) wholesome agricultural and rural management</p>	<p>【Target Organisations】 Government agencies in charge of the management of land and water resources, and research organisations in the same field</p> <p>【Target Group】 Job position: technical officers and researchers in the fields concerned, who are expected to take supervising roles in the respected organizations Work experience: more than 5 years of experience in the fields concerned Age: less than 50 years of age</p>		
CONTENTS	PROGRAM PERIOD	Jun.12.2009 ~ Aug.21.2009	
<p>This program aims to promote sufficient knowledge and skills for proper management of water and land resources in African and Middle-Eastern countries, where lands are covered with arid and semi-land areas. The program is divided into 3 parts: 1.technical training period in Japan, 2.complementary training period in Egypt, and 3.post-training period, in which the participants are required to disseminate what have acquired within their respective organisations, and submit a report to JICA about their post-training activities, e.g. workshops. The course consists of lectures, site-visits, and discussions. (1)Agricultural Land and Water Management Acts in Japan (2)Water Resource Management (3)River System Management (4)Management of Irrigation and Drainage Facilities (5)Field Water Management (6)Management of Soil Physical Properties (7)Plant Management (8)Soil Management and Fertilization (9)Rural Management (10)Environmental Impact Assessment (11)Management of Geographical Information (12)Surface Water Hydrology and Flood Control (13) Application of GIS in Hydrology (14)Water Quality and Protection</p>	IMPLEMENTING PARTNER	Faculty of Agriculture, Tottori University	
	JICA CENTER	JICA Chugoku	
	COOPERATION PERIOD	2009~2011	
	REMARKS	After the technical training period in Japan, participants will go to Egypt, which has similar problems as where the participants are from, and have practical training for 3 weeks.	


Agricultural Infrastructure Improvement in the Fields for Rural Development 農村開発のための畑地帯における農業基盤整備		GROUP 	0980903
		Agricultural/Rural Development—Agricultural Development	
		8 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 Expertise on construction plans and execution management is shared by engineers in the target organizations.</p> <p>【Outputs】 To attain the objective, the participants are expected to achieve the followings: (1) To be able to identify challenges about the legal system, processes up to the drafting of plans and project implementation systems, environmental considerations etc., by comparing the situations of target countries with those of Japan, (2) To be able to make judgments about the appropriateness of infrastructure improvement projects in terms of technical levels, economic viability, and environmental and social considerations, (3) To be able to explain typical construction methods in agricultural infrastructure improvement projects as well as highly versatile expertise and techniques, (4) To be able to identify short-, mid- and long-term challenges with regard to execution management and safety measures, (5) to be able to independently prepare audio-visual teaching materials for dissemination of expertise.</p>	<p>【Target Organizations】 Organizations implementing agricultural infrastructure improvement projects</p> <p>【Target Group】 1) leading engineers with experience in surveying, planning, construction management or infrastructure management for land improvement (irrigation, drainage, agricultural land improvement, disaster prevention) in crop field farming, 2) Those who have more than 3 years of practical experience in the relevant fields 3) Age: Under 50 years old</p>		
CONTENTS	PROGRAM PERIOD	May.17.2009 ~ Aug.8.2009	
<p>【Preparatory phase】 To submit an Inception report which includes an introduction of work, problem and its reason, and the expected solutions in the target organization.</p> <p>【Program in Japan】 This program consists of lectures, practical exercises, observations and discussions of the following contents: (1)Administrative organizations, the food situation and legislative systems in Japan, Affairs of the Tokachi region (history, land improvement projects, weather conditions, agriculture and agricultural cooperative organizations), explanation of projects to local residents, environmental and social considerations (2)Economic effects and project evaluation/multilateral evaluation of land improvement projects, environmental measures, utilization of satellite data, operation of agricultural machinery, biogas plants, Project Cycle Management (3)Irrigation and drainage in the fields (headworks, pipelines), planning and designing farm ponds, reorganization of farmland, disaster prevention on farmland, farm roads, farmland development, characteristics of civil engineering materials and utilization (4)Safety measures, execution planning/management (5)Preparation and utilization of teaching audio-visual materials for dissemination purposes (6) To make the Interim report including extension activities in participant's home country</p> <p>【Program in home country】 To carry out trainings to the engineers of the target organization utilizing audio-visual teaching materials for dissemination of expertise, and submit the Final report on the activities.</p>	IMPLEMENTING PARTNER	Hokkaido Regional Development Bureau	
	JICA CENTER	JICA Obihiro	
	COOPERATION PERIOD	2009~2011	
	REMARKS		


OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Participants will write and propose Action Plans to introduce animal food hazard reduction measures including HACCP in their organizations.</p> <p>To reach the objective, participants are expected to achieve the following:</p> <p>(1)To understand the systems of food safety administration in Japan. (2)To understand food inspection methods of the international standard. (3)To understand theories and techniques of hygiene control for livestock food products at the production, proceeding and distribution stages. (4)To formulate Action Plans to utilize/introduce food hazard reduction measures including HACCP.</p>	<p>(1) This program is designed for examiners and inspectors concerned with production, processing and distribution of food, especially of animal food, at central or local government organizations, or those who are engaged in epidemiology at universities. (2) University graduates (3) Over 25 and under 45 years of age</p>	
CONTENTS	PROGRAM PERIOD	Jul.28.2009 ~ Sep.17.2009
<p>< Preparatory phase > Formulation of Country Report < Phase in Japan ></p> <p>Lectures: Outline of food sanitation (hygiene control, safety measures against food poisoning), Food production (meat processing, HACCP), Distribution system, etc.</p> <p>Practical exercises: Meat/dairy production, Detection of bacterium, Introduction of HACCP, etc.</p> <p>Observation: Meat production, Dairy production, Large-scale dairy farm, Wholesale market, etc.</p> <p>Others: Country Report, Action Plan, Discussion < Finalization Phase > Application and implementation of the Action Plan back in the participant's home country. Submission of the final report describing the progress of implementing the Action Plan.</p>	IMPLEMENTING PARTNER	RAKUNO GAKUEN UNIVERSITY
	JICA CENTER	JICA Sapporo
	COOPERATION PERIOD	2005~2009
	REMARKS	


Irrigation and Drainage for Rural Development かんがい排水・農村開発		GROUP  0980923
		Agricultural/Rural Development—Agricultural Development
		11 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 To develop the capacity of irrigation and drainage engineers to carry out agricultural infrastructure improvement with consideration of their application, participation, sustainability and environmental conservation entirely</p> <p>【Expected Results】 1. To learn basic and applied technologies required to investigate, design, construct, operate and maintain facilities related to irrigation and drainage projects 2. To learn the applicable methodology of irrigation and drainage technology for agricultural and rural development from diverse points of view 3. To learn the relevant technology and knowledge for sustainable agricultural and rural development in consideration of environmental conservation 4. To improve problem-solving ability, and acquire integrated irrigation and drainage technology related to their own working environment 5. To develop the ability to resolve problems in their own working environment and to realize them as action plans</p>	<p>(1) Individuals presently engaged in actual irrigation and drainage works (2) University graduates or equivalent with at least 5 years of experience in their specialties (3) Age: over 25 and under 40 years old</p>	
CONTENTS	PROGRAM PERIOD	Feb.8.2010 ~ Oct.30.2010
<p>The following subjects are addressed throughout lectures, discussions, experiments, practical exercises, workshops and field visits:</p> <ol style="list-style-type: none"> 1. Agricultural infrastructure improvement 2. Agricultural land conservation and agricultural infrastructure maintenance 3. Rural development, irrigation and drainage technology <p>The program includes making technical reports in consideration of appropriate technologies in these fields as well as action plans to clarify and take countermeasures against existing problems.</p>	IMPLEMENTING PARTNER	JICA Tsukuba
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2005~2009
	REMARKS	


Agricultural Extension Planning and Management 農業普及企画管理者		GROUP  0980926
		Agricultural/Rural Development—Agricultural Policy and System
		15 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 The capacities will be developed to be able to make an effective agricultural extension promotion plan, focused on the planning, operation, progress management and evaluation of the developing countries.</p> <p>【Expected Results】 1. Write a INCEPTION REPORT by identifying and analyzing the problems as individual, as institutional and in the responsible region 2. Acquire following methodologies through lectures, discussions or observations: 1) the outline and principles of extension service (its structure, background, process behind agricultural improvement and status of administration & management of extension services in Japan), 2) the methods of progress management and evaluation of extension services, 3) the methods of extension planning, management and making of extension programs, 4) the method of training for extension personnel, 5) the method to identify problems and tasks by analyzing the state of extension services in their own countries 3. Make an action plan integrating the knowledge and experiences gained from the training program</p>	<p>【Target Organization】 Central or local government or NGO in the field of agricultural extension services</p> <p>【Target group】 1. Public management executives in charge of agricultural extension service in national or local government including extension offices 2. Management executives concerned with the education of workers in training organizations 3. Under 50 years old and a university graduate or with equivalent academic background</p>	
CONTENTS	PROGRAM PERIOD	Jun.30.2009 ~ Sep.4.2009
<p>The following subjects are included in lectures, discussions and observation tours</p> <ol style="list-style-type: none"> 1. Background of Extension Programs , Outline of Agricultural Improvement and Extension Programs 2. Principles and Methods of Extension Activities, Various Extension Methods and classification, Evaluation Method of Extension Activities 3. Extension Planning, Extension Management, Making Extension Programs 4. Management of Extension Staff, Outline of Extension Staff and Planning of Training 5. Application of the Training in Participants' Own Countries 	IMPLEMENTING PARTNER	Japan Agricultural Development And Extension Association
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2005~2009
	REMARKS	


OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 Participants are expected to revise and conduct practical Action Plans to promote the movement of organizing agricultural cooperatives, to strengthen their operational and managerial capacities, and/or to incorporate the activities of agricultural cooperatives into agricultural policies to activate rural economy. To reach the objective, participants are expected to achieve the following:</p> <p>【Expected Results】</p> <ol style="list-style-type: none"> 1. To learn how to establish the basis of or to strengthen agricultural cooperatives 2. To learn how to improve the business activities of agricultural cooperatives by understanding the main business systems of Japanese agricultural cooperatives 3. To study the activities to be conducted by agricultural cooperatives for revitalizing rural economies 4. To learn how to improve the policy for promotion of agriculture and agricultural cooperatives 5. To make an action plan or policy to promote agricultural cooperatives by using methods such as PCM 	<p>【Target Organizations】 Central / local government or related NGOs (Non-governmental organizations) including farmers' organizations and agricultural cooperatives currently capable of managing projects at the offices of agricultural cooperative service.</p> <p>【Target Group】</p> <ol style="list-style-type: none"> 1. University or professional school graduates currently capable of managing projects at the offices of cooperative service 2. Expected to work in the cooperative movement for at least 5 years after attending the program 3. Age: Under 45 years old 	
<p style="text-align: center;">CONTENTS</p>	<p style="text-align: center;">PROGRAM PERIOD</p>	<p>May.11.2009 ~ Jul.16.2009</p>
<p>This program consists mainly of lectures, discussions and field trips. The main topics covered are:</p> <ol style="list-style-type: none"> 1. History and development of agriculture and agricultural cooperatives 2. Organizations and business activities of agricultural cooperatives 3. Distribution of Agricultural Products and Purchasing and Marketing Businesses 4. Credit business of Agricultural Cooperative 5. The role and activities of women in rural areas, promotion of rural industry by agricultural cooperatives 6. Farm guidance by agricultural cooperatives 7. Formulation of policy and plans related to agriculture and agricultural cooperatives 8. PCM method for making an Action Plan 	<p>IMPLEMENTING PARTNER</p>	<p>The Institute for the Development of Agricultural Cooperation in Asia</p>
	<p>JICA CENTER</p>	<p>JICA Tsukuba</p>
	<p>COOPERATION PERIOD</p>	<p>2005~2009</p>
	<p>REMARKS</p>	


Distribution of Fisheries Products (focused on wholesale markets) 生鮮食料品流通(水産物)		GROUP 	0980990
Agricultural/Rural Development—Other Agricultural/Rural Development Issues			
Target Countries: Chile, Honduras, Indonesia, Philippines and Vietnam		5 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>(Objectives) Leading government officials who will be able to implement countermeasures to solve current distribution problems in the field of fisheries products will be fostered.</p> <p>(Outputs) 1. Understand the current problems of your own countries. 2. Understand: - distribution system for fisheries products in Japan. - development process, mechanism and present situation of central wholesale market in Japan 3. Understand: - production and shipment in producing districts in Japan - retail sales, processing in consumer markets in Japan 4. Prepare Action Plan</p>	<p>【Target Organizations】 Governmental organization in charge of food distribution.</p> <p>【Target Group】 1. Administrators who are in charge of the implementation of modernization measures for wholesale markets or the distribution of fisheries products, with practical experience of at least 5 years, (The program of this training course is focused on the wholesale market system and distribution through wholesale markets.) 2. Individuals with a sufficient command of spoken and written English. 3. Individuals with a basic computer skills good enough to handle software such as Word, Excel and Power Point.</p>		
CONTENTS	PROGRAM PERIOD	Aug.17.2009 ~ Oct.23.2009	
<p>(Programs in Japan) 1. Analyze the problems of your own countries by Country Report presentation. The country report presentation is conducted to enhance information sharing and discussion among participants and the training institution so as to find some possible solutions. 2. Understand the following points through lectures, observations and discussion. -distribution system for fisheries products, -history, mechanism, function and management of central wholesale market in Japan 3. Understand the following points through lectures, observations and discussion. - aqua culture and shipment in producing districts - food processing and packaging technology - retail sales in consumer markets 4. Prepare action plan which is to be implemented after returning home countries. (Post project phase) •Sharing action plan among participant's organization and making progress report of action plan by participant's organization.</p>	IMPLEMENTING PARTNER	THE OSAKA MUNICIPAL CENTRAL WHOLESAL MARKET	
	JICA CENTER	JICA Osaka	
	COOPERATION PERIOD	2005~2009	
	REMARKS	The topic of this program is carried out with "Fresh fruits and vegetables" and "Fisheries products" every other year. FY 2009 is "Fisheries products"	


Rural Development for Small-Scale Farmers Through the Agricultural Cooperatives Activity in Asia 農業協同組合活動を通じた農村振興(アジア地域)		R/F 	0984002
Target Countries: Asia		12 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objectives】 To implement the effective activities of Agricultural Cooperatives for the development of rural areas.</p> <p>【Outputs】 To reach the objective, participants are expected to achieve the following: (1) Understand the current situations and obstacles of Agricultural Cooperatives in their countries in comparison with those in Japan (2) Understand the criteria for agricultural cooperatives management and human resource development for sound management (3) Understand the roles of Agricultural Cooperatives in rural development (4) Formulate an action-plan in order to strengthen their Agricultural Cooperatives and promote rural development in their countries</p>	<p>【Target Organization】 Agricultural Cooperatives and those supervising organizations 【Target Group】 (1) Current duties: Those who satisfy at least one of the requirements below: a: Management of Agricultural Cooperatives b: Officer who belongs to the organization of supervising Agricultural Cooperatives and who are also in charge of supporting, managing and supervising Agricultural Cooperatives, c: Supervisor on institutional banking in Agricultural Cooperatives (2) Experience in the relevant field: have at least five (5) years of working experience in the relevant field of Agricultural Cooperatives (3) Educational Background: be university graduate or equivalent (4) Language: have a good command of English enough to make an oral presentation and write a report</p>		
CONTENTS	PROGRAM PERIOD	Aug.25.2009 ~ Nov.17.2009	
<p>This program aims to ensure the capacity development of persons in charge of management and administration of Agricultural Cooperatives so that they are able to propose an action plan for improvement on operation and management of Agricultural Cooperatives for rural development.</p> <p>1.Preliminary Phase in a participant's home country (1) Analysis current issues in Agricultural Cooperatives in participants' jurisdictional areas and their organizations (2) Formulation and submission of Job Report to JICA together with Application Form</p> <p>2.Core Phase (activities in Japan) (1) Outline of Japan's Agricultural Cooperatives, Small scale farmers in Okinawa (Lecture and Observation) (2) Management of Agricultural Cooperatives, Human Resource Development for staff members of Agricultural Cooperatives, Activities of women groups in Agricultural Cooperatives (Lecture and Observation) (3) Community development for small scale farmers (Lecture and Exercise) (4) Method of SWOT Analysis, Formulation of an action plan (Lecture and Exercise)</p> <p>3.Finalization Phase (activities in home country) Application and implementation of the action plan back in the participants' countries and submission of their progress report to JICA within six (6) months after the end of the Core Phase in Japan</p>	IMPLEMENTING PARTNER	Okinawa Prefectural Agricultural Cooperatives	
	JICA CENTER	JICA Okinawa	
	COOPERATION PERIOD	2006~2010	
	REMARKS	Expectations for the Participants: be related with JICA programs in this field will be preferable	


Extension Methodologies of Organic Agricultural Techniques for Small Scaled Farmers for Central America and Caribbean countries 小規模農民支援有機農業技術普及手法		R/F  0984011
Target Countries: Central America and Caribbean Region		Agricultural/Rural Development—Agricultural Development 10 participants / Spanish
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 Extension plans for small scale farmers, considering to local organic resources, are composed by organizations which are engaged in farming extension plans.</p> <p>【Expected Results】 1. Problems of organic farming spread in participants' own countries can be extracted and be explained. 2. Advanced examples concerning the spread of organic farming technology can be grasped and be explained compared with participants' own countries. 3. General knowledge and the technology in the field of organic farming can be learned. 4. Draft extension plans, which are the guidelines after returning, are composed. 5. Final extension plans concerning organic farming technology are composed and announced.</p>	<p>【Target Organizations】 Administrative agency, research institute, training facility and NGO, which assume roles to extend agricultural technology.</p> <p>【Target Group】 1. Officers, engineers or extensionists who are engaged in the agricultural extension for small scale famers. 2. Personnel with work experiences in the extension of organic agricultural techniques for at least 2 years. 3. Be able to submit the final report in 3 months after their return.</p>	
CONTENTS	PROGRAM PERIOD	Jul.12.2009 ~ Oct.10.2009
<p>This program is designed for participants and their organizations to develop their capacity in the planning of agricultural management and organic farming.</p> <p>1. Through prior activity, inception reports which analyze problems in participants' organizations and targeted areas are composed. 2. Through the local program in Costa Rica, advanced examples in the region that small farmers groups implement organic farming are learned. And also, current situations in participants' targeted areas are analyzed and program reports are composed. 3. Spread techniques and organic farming technology to devise farming plans with the view point of continuous production are learned through lectures, trainings and visits carried out in Japan. 4. Draft extension plans in the sustained organic farming technology are composed and announced. 5. Draft extension plans in the sustained organic farming technology are examined in the departments of participants, and final plans are composed. In addition, the final plans are shared with participants in each country through a remote seminar.</p>	IMPLEMENTING PARTNER	KOIBUCHI College of Agriculture and Nutrition, NPO Fudo, Saitama Prefecture
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2009~2011
	REMARKS	

Upland Rice Variety Selection for Africa アフリカ地域「陸稲品種選定技術」		R/F 	0984019
Target Countries: African countries		10 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 The capability of variety selection and varietal characteristic survey of upland rice including NERICA of agricultural technician who is engaged in dissemination of upland rice variety is improved</p> <p>【Expected Results】 (1)To be able to explain the fundamental knowledge in the theory and practice of cultivation and management techniques of upland rice (2)To be able to explain the fundamental knowledge in varietal evaluation and selection in upland rice (3)To be able to explain the fundamental knowledge in the maintenance and multiplication of the breeder's seed and basic seed paddy (4)Making an action plan for rice varietal selection (5)To understand IRRI (International Rice Research Institute) activities and resources for upland rice variety development in each countries</p>	<p>【Target Organization】 Agricultural research institutes engaging in upland rice variety dissemination</p> <p>【Target Group】 <Position> 1.To have professional experience as an officer at an agricultural research institute in the cultivation of rice 2.To have experience as a researcher at a university or NGO officer in the development and instruction in the field of rice cultivation</p> <p><Experience> More than 2 years</p>		
CONTENTS	PROGRAM PERIOD	Jul.19.2009 ~ Oct.17.2009	
<p>This training is designed for agricultural technician to build ability of variety selection and varietal characteristic survey of upland rice including NERICA</p> <p>【Program in Japan】 1.Rice cultivation technology /Crop growth diagnostic technique, Soil and fertilizer management, Disease and Insect pest control 2.Field techniques in varietal selection, varietal characteristics and observation procedures, grain quality assessment (Mainly for local adaptability tests) 3.Preservation and maintenance of breeder's seed, Basic and Certified seed production technology, Post harvest technology of seed 4.Making and Presentation of Inception report and action plan</p> <p>【Program at IRRI】 5.Low input type upland rice cultivation method in tropic area 6.Same as program in Japan (Mainly for characteristics test, and research activities)</p> <p>【Post Program】Considering and share the action plan in belonging organization, and submit the output as a final report</p>	IMPLEMENTING PARTNER	Under planning	
	JICA CENTER	JICA Tsukuba	
	COOPERATION PERIOD	2009~2011	
	REMARKS	After the Program in Japan, Program at IRRI(International Rice Research Institute) will be implemented.	


Enhancement of Water Users' Associations for Central Asia and Caucasus 中央アジア・コーカサス地域水利組合強化		R/F 	0984049
Target Countries: Central Asia and Caucasus		6 participants /	Russian
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 Water users' associations (WUA) to which participants belong can efficiently and effectively distribute agricultural water to farmers' fields through the promotion of WUA activities and enhancement of WUA function, and coordination with governmental organizations concerned with management of main canals, etc.</p> <p>【Expected Results】 1. Method for water management which is in coordination with related government organizations will be understood. 2. Method for consolidation of beneficiary farmers and autonomous management by water users' association with active participation of the farmers will be understood. 3. Water management techniques at the terminal and mechanism of maintenance/operation/renewal for water management facilities will be understood. 4. Action Plan for the enhancement of water users' association will be formulated.</p>	<p>【Target Organization】 Water Users' Associations (WUA) or Federations/Unions of WUA, managing beneficiary area and beneficiary farmers in "Model Areas"*. 【Target Group】 Heads or Secretary Generals of WUA, working in water management and facility management and guidance to beneficiary farmers in target organizations. * Target organizations should exist and be in action in "Model Areas" designated in each country. Azerbaijan: К ю р д а м и р с к и й р а й о н . Kazakhstan: М а х т а р а л ь с к и й р а й о н Ю ж н о - К а з а х с т а н с к о й о б л . Kyrgyzstan: Н о о к е н с к и й р а й о н Ж а л а л а б а т с к о й о б л . Tajikistan: Д ж и л и к у л ь с к и й р а й о н Х а т л о н с к о й о б л . Uzbekistan: Т а ш к е н т с к а я и С ы р д а р ь и н с к а я о б л а с т и .</p>		
CONTENTS	PROGRAM PERIOD	Sep.1.2009 ~ Oct.31.2009	
<p>【Preparatory Program】 1.Making Inception Report</p> <p>【Program in Japan】 2.Irrigation Water System:Irrigation system, outline of water management, coordination between government and WUA 3.Land Improvement District: Establishment of WUA, law and regulation for WUA, organization and management system of WUA, Operation of WUA: Budget and accounting, operation of facility, daily work with beneficiary farmers, management committee 4.Maintenance of Facility: Water fee and burden on farmers, maintenance system of facilities, Irrigation on Upland Field, Practice on upland irrigation, canal flow observation 5.Making Action Plan: Rural society, farmers organizations, PRA, PCM workshop</p> <p>【Post Program】 6.Making Final Report</p>	IMPLEMENTING PARTNER	Under planning	
	JICA CENTER	JICA Tsukuba	
	COOPERATION PERIOD	2007~2009	
	REMARKS	Expected number of participants per country : 2	


Rice Cultivation Techniques for Small Scale and Extension for Africa アフリカ地域 小規模水稲・普及		R/F  0984052
Target Countries: African Countries		Agricultural/Rural Development—Agricultural Development 10 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 To acquire knowledge in rice cultivation techniques (including water management and post harvest technology) and extension methods and to formulate an authorized Action Plan based on local needs for extension of rice cultivation techniques.</p> <p>【Expected Results】 1.Participants identify constraints in the rice cultivation, fextension system and methods of the target area. 2. Participants understand the basis of paddy rice cultivation techniques and post-harvest technology. 3.Participants understand the basis of extension methods. 4. Participants understand the related knowledge necessary for extension planning. 5.Considering 1.-4. above, participants formulate Action Plan based on local needs.</p>	<p>【Target Organization】 Extention Institutions, NGOs, Cooperatives and Educational Institutions which are related to rice cultivation</p> <p>【Target Group】 To be an extension worker in the field of rice cultivation who has more than 5 years of experience in the field</p>	
CONTENTS	PROGRAM PERIOD	Mar.23.2010 ~ Oct.9.2010
<p>【Preparatory Program】 To identify of issues/constraints in agriculture, rice cultivation and extension in the area. [Preparation of Inception Report]</p> <p>【Program in Japan】 To formulate the draft action plan using the knowledge and techniques obtained through the below-mentioned program in order to solve the problems identified in the Inception Report.</p> <p>1.Basis and application of rice cultivation techniques for small scale including Japanese techniques Basis and application of post-harvest technology in rice Peripheral techniques such as breeding, physiology, soil nutrient management, crop protection, irrigation and drainage, and agricultural experimentation. Mechanized rice cultivation techniques 2.Agricultural extension and cooperative projects in Japan, Farmer to farmer extension Appropriate extension systems for each country Affordable extension methods 3.Midterm presentation of Technical Report. Final presentation of Technical Report. 4.Project Cycle Management (PCM) Capacity Assessment</p> <p>【Post Program】 Finalizing and authorizing the Action Plan after discussion in the participating organization.</p>	IMPLEMENTING PARTNER	Overseas Agricultural Development Association (OADA)
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2008~2010
	REMARKS	


Horticulture crop Cultivation and Extension for Africa アフリカ地域 園芸作物・普及		R/F 	0984054
Target Countries: English speaking African countries		7 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objectives】 This program aims at market oriented horticultural (vegetable) crop cultivation techniques and efficient agricultural extension approaches to farmers. It also expects the dispersion of knowledge and experience acquired by the participants within their organizations, as well as in the region they work, through discussions and meetings.</p> <p>To achieve this objective, the participants are expected;</p> <p>【Expected Results】</p> <ol style="list-style-type: none"> 1. To be able to extract and analyze the problems in the field of vegetable cultivation / agricultural extension / sales and distribution of vegetables in the region, and develop capacity to solve problems logically 2. To be able to provide extension of appropriate vegetable cultivation technologies to farmers 3. To develop capacity to organize small scale farmers, efficient agricultural system and agricultural techniques development system 4. To learn the market trend of vegetables and plan an appropriate distribution and sale system in participant home country 5. To formulate an action plan based on knowledge and techniques in (2) to (4), and share the technology through discussions and meetings. 	<p>【Target Organizations】 Administrative Organization, Extension Center, and Research Institute related to Horticultural crop cultivation</p> <p>【Target Group】</p> <ol style="list-style-type: none"> 1. Current Duties: presently engaged in vegetable production as extension officers, training instructors or researchers with occupational experience of more than three years 2. Educational Background: be university graduates or have an equivalent academic background, not be doctorate holders 3. To be recommended by the Embassy of Japan or JICA Office in respective countries, (person who participate (or will participate) in JICA's Program or Project is highly recommended) 		
CONTENTS	PROGRAM PERIOD	May.18.2009 ~ Sep.13.2009	
<p>【Preparation Program】 1. Problem analysis Formulation of Inception Report</p> <p>【Program in Japan】 2. Problem analysis 1) Inception Report, 2) PCM (Project Cycle Management) workshop 3. Vegetable cultivation techniques 1) Vegetable (Solanaceae, Cucurbitaceae, Brassicaceae, etc.) cultivation techniques, 2) Seed production techniques, 3) Post harvest techniques, 4) Plant nutrition, 5) Crop growth diagnostic techniques, 6) Soil and fertilizer management, 7) Disease, Insect pest and Weed control, 8) Fundamentals of vegetable breeding, 9) Design and analysis of field experiments, 10) Study tour (seed companies, local farmer, etc.) 4. Organization, agricultural extension and agricultural technique development 1) Roles of Farmer's Organization, Agricultural Cooperative, 2) Agricultural extension planning, 3) Vegetable product & development, 4) Case study, 5) Study tour (agricultural cooperative, research center, extension center, etc.) 5. Market, Distribution and Sales of vegetable 1) International trade and Vegetables in East Africa, 2) Distribution of agricultural products, 3) Agricultural processing, 4) Case Study, 5) Study tour (wholesale market, processing of agricultural products, direct sales shop, etc.) 6. Action plan making 1) Action plan making and discussion, 2) Preparation of presentation 3) Presentation, 4) Correction of Action plan</p> <p>【Post Program】 7. Discuss the action plan among the related stakeholders, such as participants' belonging organization, small scale farmers and so on, 2) Making the minutes of meetings of action plan discussion and modify the action plan, 3) JICA Tsukuba will hold a feedback meeting utilizing JICA-Net Remote seminar system</p>	IMPLEMENTING PARTNER	Overseas Agricultural Development Association (OADA)	
	JICA CENTER	JICA Tsukuba	
	COOPERATION PERIOD	2008~2010	
	REMARKS		

Agricultural mechanization for Central Asia and Caucasus 中央アジア・コーカサス地域 農業機械化システム		R/F  0984057
Agricultural/Rural Development—Other Agricultural/Rural Development Issues		
Target Countries: Central Asia and Caucasus countries		9 participants / Russian
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 Participants gain the knowledge and skills on management of farm machinery, association for farm machinery, planning/evaluation for mechanization and make Action Plan to adapt the idea into respective countries.</p> <p>【Expected Results】 1.To understand the construction of farm machinery 2.To understand the method of management for farm machinery 3.To understand the method of planning of mechanization 4.To obtain the technique of management for machinery 5.To formulate Action Plan in order to utilize farm machinery effectively.</p>	<p>【Target Organizations】 Institution or Association in charge of mechanization planning and maintenance for farm machineries for food crops.</p> <p>【Target Group】 1. Who is in charge of 1) management of farm machinery or 2) planning the policy of farm mechanization at target organizations. 2. Who has work experience of 5 years or more 3. Who is under forty five years old, and is a university graduate or with an equivalent educational background</p>	
CONTENTS	PROGRAM PERIOD	Dec.7.2009 ~ Mar.7.2010
<p>【Preparation Program】 Analyzation of the present situation and extraction of issues [Preparation of Inception Reort]</p> <p>【Program in Japan】 Understanding and acquisition of the following techniques, knowledge and methods [Lectures, Practice, Site visits] 1.Theory of agricultural machinery 2.Basic techniques of agricultural machinery 3.Election and cost analysis of agricultural machinery 4.Relationship between agricultural society and techniques 5.PCM(Participatory Cycle Management) method, compiling Action Plan</p> <p>【Post Program】 Discussion and execution of Action Plan</p>	IMPLEMENTING PARTNER	Rural Development Institute (RDI)
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2008~2010
	REMARKS	

Rural development through promoting small poultry farming in Southwest Asia 南西アジア地域 小規模養鶏農家の育成を通じた農村開発		R/F 	0984081
Target Countries: Southwest Asia Region		4 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objectives】 An action plan on rural development through small sized poultry will be elaborated by farming administrative/technical extension staff in central and local government/institute in each country</p> <p>【Outputs】 (1) To understand Feeding Management in poultry, and to be able to conduct and disseminate poultry management suitable for the area condition and poultry performance. (2) To understand poultry health control measures, especially basic disease control concerning avian flu, in local government and community level. Besides, to be able to conduct and disseminate proper prevention of disease for the environmental condition through the organization/person concerned. (3) To understand comprehensive knowledge and skills on poultry farming. (4) To be able to plan poultry industry development policy suitable for the area condition.</p>	<p>【Target Organizations】 Administrative organ, Technical extension organ, Research and educational Institute</p> <p>【Target Group】 (1) Farming administrative/technical extension staff in central and local government/institute (2) Individuals who have more than 3 years experiences in poultry (3) University graduates or equivalent (4) Individuals with a good command of English (5) Age: under 45 years old (6) Individuals in good health, both physically and mentally, to undergo the course of rigorous training (7) Must not be serving any form of military service</p>		
CONTENTS	PROGRAM PERIOD	Sep.8.2009 ~ Nov.14.2009	
<p>(1) •Lecture on metabolism and feeding management for improving growth and egg productivity. •Lecture on growth of the embryo. Practice on egg candling, observation of hatching, selection of normal chicks and calculation of hatching rate. •Lecture and practice on rearing chick management and chick sexing. •Lecture on manure fermentation and utilization. Visit to related institute. •Lecture on transition, current situation and future prospect of facilities for poultry production. Visit to relate to facilities and institutions. •Lecture and practice on reproductive physiology. • Practice on semen collection and artificial insemination. • Lecture on the history of poultry domestication in Japan and basic theory of genetic improvement. •Lecture on outline of poultry nutrition. • Lecture on nutritional characteristics of common feed and the ones which are used in the developing countries. • Lecture and practice on theoretical feed designing method. • Lecture on utilization of byproducts to livestock feed. Visit to related facility. • Practice on proximate analysis method of feed ingredients.</p> <p>(2) •Lecture and practice on epidemic prevention (disinfecting method of poultry houses and equipment, the type of vaccines and their applying methods, diagnostic method of major infectious disease, quarantine of imported animal). Visit to related institutions. • Lecture on health control measures based on the lecturer's experience in developing countries. • Lecture and practice on symptoms, diagnoses and autopsied findings of major infectious disease especially focus on avian flu. • Explanation on the outbreak situation of avian flu and countermeasures against avian flu in local government and community in Japan. • Lecture on zoonotic infection and its preventive measures.</p> <p>(3) • Lecture and practical training on basic knowledge of rural development. • Lecture on dissemination condition of all the country of the world. • Lecture on promoting indigenous breed chicken production and rural revitalization. Visit to related organizations. • Lecture on marketing of eggs and chicken. Visit to related organizations and institutions. •Lecture on the method for rural developing planning based on items above-mentioned.</p> <p>(4) • Making, presentation and discussion about Action Plan by every participant. • Lecture and practice on PCM (Project Cycle Management) method.</p>	IMPLEMENTING PARTNER	National Livestock Breeding Station Incorporated Administrative Agency	
	JICA CENTER	JICA Tohoku	
	COOPERATION PERIOD	2008~2010	
	REMARKS		

Post-harvest Rice Processing (African Countries (French)) アフリカ地域(仏語圏) 稲作収穫後処理		R/F 	0984082
Target Countries: African Countries (French)		9 participants /	French
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objectives】 Technical administrators who lead local farmers will gain appropriate techniques for post-harvest rice processing. The action plan improving post-harvest will be considered.</p> <p>【Outputs】 (1) To formulate inception reports regarding rice production and post-harvest technology in participants countries (2) To be able to explain the rice production, rice distribution systems and the function of agricultural cooperatives in Japan. (3) To be able to explain the methods for post-harvest rice processing, methods and functions for milling machinery and related equipments as well as processing facilities, and study of the design and management of rice handling and processing facilities. (4) To formulate action plans to disseminate post-harvest rice processing in pilot area</p>	<p>【Target Organizations】 Central and local government, Agricultural cooperative, Farmer's association</p> <p>【Target Group】 (1) Technical officials who lead local farmers, such as agricultural extension officers with more than three years experience in teaching rice crop (2) Individuals who will lead local farmers from agricultural cooperatives or organizations concerned (3) Under the ages of forty (40) years (4) Individuals in good health, both physically and mentally, to undergo the course of rigorous training (5) Must not be serving any form of military service</p>		
CONTENTS	PROGRAM PERIOD	Aug.30.2009 ~ Sep.27.2009	
<p>(1) • To formulate inception reports regarding rice production and post-harvest technology in participants countries (2) • Understanding of rice production, rice production systems and the activities of agricultural cooperatives in Japan. (3) • Study appropriate harvest techniques considering best water contents in rice • Study of the methods and facilities for harvesting, threshing, drying, husking and storage etc.. • Study methods and functions for milling machinery and related equipment as well as processing facilities. Measuring methods used in related fields. Discussion within trainee. • Study of the design and management of rice handling and processing facilities. (4) • To formulate action plans to disseminate post-harvest rice processing in pilot area</p>	IMPLEMENTING PARTNER	Faculty of agriculture, University of Yamagata	
	JICA CENTER	JICA Tohoku	
	COOPERATION PERIOD	2008~2010	
	REMARKS	Program period will be set at September (harvest season) to study appropriate harvest techniques considering best water contents in rice.	


Principle and practice of the dairy cow management for milk production with better quality in Middle East Region 中東地域 良質な牛乳生産のための乳牛の飼養管理		R/F  0984140
Target Countries: Middle East region		4 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 To develop human resources capable of setting improve target and action plan of feeding system of cow for better milk production</p> <p>【Outputs】 To attain the objective, participants are expected to achieve the followings: (1) To be able to explain the improvement of dairy cows and reproduction management, (2) To be able to explain the management of feeding and nutrition, (3) To be able to explain the improvement of milk quality, (4) To be able to explain the heat environment, (5) To be able to formulate the plan on the feeding management of dairy cows.</p>	<p>【Target Organizations】 Ministry of Agriculture, Agricultural Extension Center, Universities</p> <p>【Target Group】 (1) Technical leader, extension worker and veterinary (2) More than 3 years practical experience in this field (3) University graduate or with an equivalent educational background</p>	
CONTENTS	PROGRAM PERIOD	Sep.29.2009 ~ Nov.27.2009
<p>【Preparatory phase】 Submit the Inception report which includes contents of work, facing problems, particular interest in the program and its reason. Fill out the questionnaire.</p> <p>【Program in Japan】 This program consists of lectures, practical exercises, observations and discussions of the following contents: (1) Evaluation method for individual ability of dairy cows/ Improvement method of dairy herd/ Planning of breeding/Method of dairy cows culling/ Basic knowledge of reproductive cycle of dairy cows/ Reproduction techniques (2) Features of feed and evaluation method of nutrition value/ Management of grassland/ Modification of feeding/ Preservation techniques/ Nutrition management/ Feed calculation/ Reuse of by-product (3) Basic idea of improvement of hygiene of milk quality/ Basic techniques of milking/ Assessment of milk quality/ Countermeasures for mastitis (4) Feeding production in the heat environment/ Basic method of feeding management of dairy cows/ Controlling for the heat environment for dairy cows (5) Analyze the problems described in the Inception report and make a practical Interim report on activity objective after returning home, expected outputs and major contents of activities.</p> <p>【Program in home country】 In accordance with the Interim report, submit the Final report including the progress of activities within 6 month.</p>	IMPLEMENTING PARTNER	Obihiro University of Agriculture and Veterinary Medicine
	JICA CENTER	JICA Obihiro
	COOPERATION PERIOD	2008~2010
	REMARKS	


Capacity Development for the supports of Farmers' Organizations and Management for Francophone Africa 仏語圏アフリカ地域「農民組織化・運営支援に係る能力強化」		R/F 	0984196
Target Countries: Francophone Africa		11 participants /	French
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 Participants of the course understand Japanese Livelihood Improvement approach, and consider the applicable methods to organize farmers group in their country.</p> <p>【Expected Results】 1. Analyze the situation, problem and good practice of organizing the farmers group in the working areas, and summarize them as Inception Report. 2. Understand the outline and history of Japanese livelihood improvement approach. 3. Learn the group activities based on the Japanese livelihood improvement movement, and consider the similarity and difference compared with rural development activities in your working area. 4. Understand the system and strategy of Japanese livelihood improvement activities, and consider the application method to their working area beyond the context. 5. From 1 to 4 and African case study, consider the application strategy to working area and summarize them as Action Plan. 6. Discuss the Action Plan in belonging institute after returning, and submit the minutes of meeting and modified action plan as final report.</p>	<p>【Target Organization】 1. Department of agricultural extension in the Central Government, 2. Department of agricultural extension in the Local Governments, 3. NGO in agricultural extension</p> <p>【Target Group】 1) Applicants should be under 45 years of age, 2) Applicants should have enough English proficiency</p> <p>In addition, applicants should fulfill following A or B.</p> <p>A) Officers who have worked as an officer at Central or Local Government more than 5 years, and now are engaging in rural development planning.</p> <p>B) Officers who have worked as an officers of local government or extension institute or NGO more than 10 years, and can explain the good practice of farmers group organization in detail.</p> <p>*person who participate (or will participate) in JICA's Program or Project is highly recommended</p>		
CONTENTS	PROGRAM PERIOD	Jan.17.2010 ~ Feb.27.2010	
<p>1. Pre-Program 1) Self-Study on Technical Cooperation Contents "Livelihood Improvement Approach for Rural Community Development" 2) Preparation of the Inception Report</p> <p>2. Program in Japan 1) Understand the situation and problem Modification and presentation of Inception Report 2) Understand the meaning of farmers organization outline of farmers organization, discussions 3) Understand the methodology of organizing the farmers group outline of facilitation, facilitation methodology, study tours, discussions 4) Understand the government support system relationship between central government and local government, case study, discussions 5) Application of Japanese experience to the developing countries. action plan making</p> <p>3. Post-Program 1) Present the action plan among the concerned staff after returning, and summarize the comment as minute of meeting. 2) Modify the action plan based on the comment in the presentation, and submit both documents as final report.</p>	IMPLEMENTING PARTNER	Rural Women Empowerment and Life Improvement Association (WELI)	
	JICA CENTER	JICA Tsukuba	
	COOPERATION PERIOD	2007~2009	
	REMARKS		

Target Countries: Middle East


8 participants / English/Arabic

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 To formulate irrigation plans in accordance with farming plans especially of upland crops and to establish guidance and support systems for water management and on-farm irrigation techniques to farmers, in consideration of water saving.</p> <p>【Expected Results】 1. To understand appropriate management of water resources for agricultural usage. 2. To improve on-farm irrigation techniques considering relationship of farming plan and irrigation plan / method, stage of cultivation, and soil conditions. 3. To understand system of Participatory Irrigation Management (PIM) operating water distribution and facility management / maintenance by Water Users' Associations (WUA). 4. To understand organizational system of extension and training of irrigated agriculture to farmers. 5. To compile Action Plan to adapt training outputs in local condition and promote irrigated agriculture with water savings.</p>	<p>【Target Organizations】 Central or Regional Governments including Bureaus and/or Departments related to promotion and/or extension of irrigated agriculture.</p> <p>【Target Group】 Technical officials / Engineers in charge of demonstration, experiments, extension / training activities to farmers on irrigated agriculture by efficient water use. (Researcher in research institute is out of scope)</p> <p>1. Managerial class who can manage and supervise extensions is better. 2. Personnel who can understand English by certain level as second language.</p>	
<p style="text-align: center;">CONTENTS</p>	<p style="text-align: center;">PROGRAM PERIOD</p>	<p>Oct.4.2009 ~ Nov.14.2009</p>
<p>1. Preliminary Phase in a participant's home country (by participating country side) Making "Inception Report" by use of concept of Capacity Assessment on CONTEXT of promotion and extension of water saving irrigation.</p> <p>2. Core Phase in Japan ①Water resources and irrigation facilities ②Irrigation plan/method and on-farm Irrigation ③Participatory Irrigation Management (PIM) by Water Users' Associations (WUA) ④Organizations and system for extension/training of irrigated agriculture</p> <p>3. Third Country Phase in Jordan Method of experiment for verification of local adaptability of on-farm irrigation techniques</p> <p>4. Finalization Phase in a participant's home country (①②④by participating country side, ③by Japan side) ①Approval by participating organization of Action Plan, and implementation of it. ②Participants make and submit the "Progress Report" on situation of implementation of Action Plan. ③(If necessary), Remote seminar on confirmation of progress of Action Plan by TV meeting system. ④participants make and submit the "Final Report" on result of implementation of Action Plan.</p>	<p>IMPLEMENTING PARTNER</p> <p>JICA Tsukuba</p>	<p>JICA CENTER</p> <p>JICA Tsukuba</p>
	<p>COOPERATION PERIOD</p>	<p>2007~2009</p>
	<p>REMARKS</p>	<p>①Program period is under planning. ②Third Country Phase in Jordan is planned on NCARE (National Center for Agricultural Research and Extension) for 1~2 weeks.</p>


Rural Development through Promoting Small Herbivorous Animal's Husbandry for Africa アフリカ地域小型草食家畜生産を通じた農村開発		R/F 	0984249
Target Countries: Africa		Agricultural/Rural Development—Rural Development	
		7 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objective】 The objective of this program is to train personnel who will have knowledge and techniques to improve productivity of small herbivorous animal's husbandry, extension methods and efficient approaches to rural development.</p> <p>To reach the objective, participants are expected to achieve the followings:</p> <p>【Expected Results】</p> <ol style="list-style-type: none"> 1. To acquire knowledge and techniques of breeding management for goat and sheep 2. To acquire knowledge and techniques of processing of stock raising product 3. To obtain expertise on the extension methods of animal's husbandry and efficient approaches to rural development 4. To make an Action Plan for rural development through small herbivorous animal's husbandry in respective countries, based on the results mentioned above 5. To present each action plan in belonging institute, and submit minutes of meeting as final report. 	<p>【Target Organizations】 Agricultural and rural development offices of both central and regional governments, extension offices and research institutes in African countries</p> <p>【Target Group】</p> <ul style="list-style-type: none"> * Officers of above mentioned government offices * Technical officers in stockbreeding of extension offices and research institutes * More than 5 (five) years experience in stockbreeding * 25~45 years old 		
CONTENTS	PROGRAM PERIOD	Oct.4.2009 ~ Dec.12.2009	
<p>The following subjects are included throughout lectures, practices and observation tours.</p> <ol style="list-style-type: none"> 1. Nursing and raising, disease control and treatment, breeding management, artificial insemination, semen control, out-seasonal breeding, pregnancy diagnosis, delivery observation, feed production and feeding 2. Nutrition of stock raising product, processing of milk and meat 3. Extension method of techniques of animal's husbandry, rural society and transition of agriculture and agricultural techniques in Japan, gender in rural development, approach to livelihood improvement, supporting methods of small-scale farmers, small-scale distribution and sales of agricultural product, farmers' association, rural development through animal's husbandry 4. Inception Report writing and presentation, Project Cycle Management Workshop, Action Plan writing and presentation 5. To present each action plan in belonging institute, and submit minutes of meeting as final report. 	IMPLEMENTING PARTNER	National Livestock Breeding Center	
	JICA CENTER	JICA Tsukuba	
	COOPERATION PERIOD	2007~2009	
	REMARKS		


Sustainable Rural Development 持続的農村開発		GROUP  0980036
Target Countries: Countries with JICA remote communication facilities (JICA-Net)		Agricultural/Rural Development—Rural Development Nature Conservation—Sustainable Use of Natural Resources 5 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 Effective approaches for sustainable rural development are acquired and proposed by applying thematic materials and technical reports through experience acquired in the program</p> <p>【Expected Results】 1. Enhanced capacity to conduct surveys and analyze actual conditions and problems in rural development 2. Enhanced fundamental capacity by acquiring a variety of methods and skills essential for rural development 3. Study of feasible countermeasures in respective countries and formulation of the results into job improvement plans, thematic materials and technical reports, by conducting case studies in Japan, field study programs in Thailand, and individual technical programs 4. Improved skills in preparing monitoring reports regarding the information and experience acquired by implementing job improvement plans and by applying thematic materials, and subsequently, sharing and discussing of the results with the network of participants and persons concerned</p>	<p>[Target Organizations] Those handling rural development projects such as central/local governments and NGOs</p> <p>[Target Group] Applicants must have been working in one of the organizations mentioned above for at least 5 years, and been recommended and approved by their organization. Must be under 45 years old, have an outstanding academic record, and have an excellent knowledge of English (e.g. TOEFL 550, TOEIC 730).</p>	
CONTENTS	PROGRAM PERIOD	Feb.9.2010 ~ Dec.12.2010
<p>1.Preparatory phase Attending course guidance and some lectures through the JICA-Net System, self-learning with materials provided by JICA and report-making. Preparing inception reports to identify and analyze problems in rural development (from August 2009 to January 2010) in respective countries</p> <p>2.Program in Japan The participants of the program will develop the capacities to prepare thematic materials, technical reports, job improvement plans, etc. through the following lectures, workshops, experiments and field studies. (1) Outline of rural development, problem analysis, capacity development (2) Common subjects: Participatory development, gender issues, project cycle management, etc. Elective subjects: Farming system, conservation of soil resources, agricultural & forestry extension and rural education, rural development planning & execution, appropriate use of genetic resources and conservation and sustainable use of biological diversity, etc. (3) Japanese experiences in rural development such as livelihood improvement, land improvement districts, small-scale marketing of agricultural products, etc.</p> <p>3.Post-program Implementing some activities, utilizing training products, preparing monitoring reports for 1 year and attending follow-up seminars through JICA-Net</p>	IMPLEMENTING PARTNER	Graduate School of Life and Environmental Sciences, University of Tsukuba
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2006~2010
	REMARKS	(1) Countries with JICA remote communication facilities are targeted because some programs are conducted through TV conference systems. (2) Participants of this training program will be awarded a Master's Degree of Science in Agriculture from the University of Tsukuba by satisfying the predefined requirements.


OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 Improvement plan of livestock production system which enable the sustainable development appropriate for local situation is formulated.</p> <p>【Outputs】 To attain the objective, the participants are expected to achieve the followings: (1) To be able to guide breeding and reproduction of livestock, (2) To be able to guide livestock nutrition, management and hygiene control, (3) To be able to guide production, use and storage of feed resources, (4) To be able to guide a sustainable livestock production system and its supporting organizations, (5) To be able to guide the treatment and effective use of livestock excreta, (6) To be able to understand the significance of the sustainable livestock production system and to formulate improvement plan of livestock production for the target country.</p>	<p>【Target Organizations】 Organizations that are related to livestock production like Ministry of Agriculture, etc.</p> <p>【Target Group】 (1) Those who have basic knowledge of livestock production systems and are able to plan policies regarding the promotion of livestock production. (2) Teachers and researchers who work at higher education organizations or research institutions, and control education and training for extension staff who diffuse livestock production techniques in the field. (3) Individuals with more than 3 years experience.</p>	
CONTENTS	PROGRAM PERIOD	Jul.20.2009 ~ Sep.19.2009
<p>【Preparatory phase】 To submit the Inception report about the information of their organization (activities, problems and their causes, tentative plan to solve the problems).</p> <p>【Program in Japan】 This program consists of lectures, practical exercises, observations and discussions of the following contents: 1) Production techniques that can be introduced into the home countries through the observation of various sustainable livestock production systems in Hokkaido 2) Effective use of livestock waste, processing techniques and environmental conservation techniques 3) Recognize the importance of an information network that crosses borders and learn the diffusion method of the sustainable livestock production system by collecting information efficiently. 4) Analyze various problems on the livestock production system of the home countries and learn the method to implement the improvement measures of this system after returning home country. 5) To make the Interim report regarding the solutions of the issues in participant's organizations.</p> <p>【Program in home country】 To submit the Final report on activities.</p>	<p>IMPLEMENTING PARTNER</p> <p>JICA CENTER</p> <p>COOPERATION PERIOD</p>	<p>Obihiro University of Agriculture and Veterinary Medicine</p> <p>JICA Obihiro</p> <p>2007~2009</p> <p>REMARKS</p>


Infrastructure for Agricultural and Rural Development 農業農村開発のためのインフラ整備		GROUP  0980047
		Agricultural/Rural Development—Rural Development
		12 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 A comprehensive infrastructure improvement project for agricultural and rural development is planned. (or, the establishment of laws and systems to implement and support infrastructure improvement is promoted.)</p> <p>【Expected Results】</p> <ol style="list-style-type: none"> 1. Frameworks of Japanese laws and systems on agricultural and rural infrastructure improvement projects are understood. 2. Project planning methods on agricultural and rural infrastructure improvement are understood. <ul style="list-style-type: none"> ① Various projects for the improvement of agricultural productivity ② Various projects for the improvement of farmers' living conditions 3. Farmer participation methods for the appropriate maintenance of developed agricultural and rural infrastructure are understood, and 4. An "Action Plan," which presupposes its adoption and application to his/her own country, is drafted. 	<p>【Target Organizations】 Central or Regional Governmental (Ministry/Agency) in charge of infrastructure improvement related to agricultural and rural development.</p> <p>【Target Group】</p> <ol style="list-style-type: none"> 1. (Administrative / Technical) Officials (if possible, holding Head / Manager position in section) in charge of making law and system to implement and support infrastructure improvement related to agricultural and rural development. 2. Have more than 5 year's experiences in governmental organization or related institution. 	
CONTENTS	PROGRAM PERIOD	Mar.1.2010 ~ Apr.30.2010
<ol style="list-style-type: none"> 1. Preliminary phase in a participant's home country (by participating country side) <ul style="list-style-type: none"> ① Making and submission of "Inception Report" to clarify, analyze and recognize the CONTEXT related to infrastructure for agricultural and rural development in his/her own country by use of concept of Capacity Assessment). ② Examination of the skeletal essentials of Action Plan (a Scenario). 2. Core Phase in Japan Participants are requested to add the body and substance to the skeletal essentials of a Scenario using knowledge and experiences of below fields in Japan, and develop a Scenario (draft); <ul style="list-style-type: none"> ① Frameworks of Japanese laws and systems on agricultural and rural infrastructure improvement projects. ② Project planning methods on agricultural and rural infrastructure improvement. <ul style="list-style-type: none"> • Various projects for the improvement of agricultural productivity • Various projects for the improvement of farmers' living conditions ③ Farmer participation methods for the appropriate maintenance of developed agricultural and rural infrastructure. 3. Finalization Phase in a participant's home country (by participating country side)] <ul style="list-style-type: none"> ① Approval by participating organization of the examined and authorized scenario ② Based on the approved Action Plan, participants implement the activities with ownership and/or their organization. ③ Participants make and submit the "Progress Report" on situation of implementation of Action Plan. ④ Participants make and submit the "Final Report" on result of implementation of Action Plan. 	IMPLEMENTING PARTNER	Under Planning
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2007~2009
	REMARKS	Program period is under planning.


OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 At the end of 3 years' program, the participants are expected to achieve the following;</p> <p>In each country, institutional system in agriculture is established or improved, based on Action Plan which have formulated by 2nd year program, or cooperation proposal of project in the necessary field or subject is formulated.</p> <p>In the Second year program;</p> <p>The participants are expected to achieve to formulate plan for establishment or improvement of institutional system.</p> <p>【Expected Results】 To achieve this program objective, participants are expected in Japan;</p> <ol style="list-style-type: none"> 1. To explain about issues or tasks on agricultural administration and policy in own country, 2. To understand Japanese agricultural policies and measures, and legal / institutional system, 3. To understand main and characteristic Japanese agricultural technology, 4. To understand Japanese ODA strategy and its frame, achieved results and future prospect, and 5. To consider techniques, knowledge, know-how and organizations to contribute on establishment of new institutional systems or improvement of existing one on agricultural policy and measure, and to formulate Action Plan for solving issues and tasks. 	<p>【Target Organizations】 Department / Bureau concerned to agricultural policy planning or international cooperation affairs, in Central Government (Ministry / Agency), in principal, responsible for agricultural administration. (The target organization shall be fixed during cooperation term (3 years).</p> <p>【Target Group】</p> <ol style="list-style-type: none"> 1. be officer assigned on planning policy or international cooperation affairs, preferably has organizational position as section chief or sub-director. 2. have more than 1 year experience in the above field (planning policy or international cooperation affairs). 3. participant should continue present job/post (policy planning, or international cooperation affairs) at least 1 year, to keep continuity of whole program. 	
<p style="text-align: center;">CONTENTS</p>	<p style="text-align: center;">PROGRAM PERIOD</p>	<p>Aug.16.2009 ~ Sep.12.2009</p>
<ol style="list-style-type: none"> 1. Preliminary Phase in a participant's home country (by participating country side) <ol style="list-style-type: none"> ①Collecting and sorting of kinds of material on statistics, law, institution, guideline on agricultural administration. ②Making "Inception Report" by Capacity Assessment through analysis of own country's current situation of agricultural administration, policy and measure, and institutional / legal system. 2. Core Phase in Japan <ol style="list-style-type: none"> ①Agricultural administration (national level, prefecture level, municipality level). ②Legal and institutional system on Japanese agriculture. ③Plan for execution on each subject / field by Japanese style administration system. ④Technology development system and observation on technical application site. ⑤Outline of JICA's role, activity and cooperation scheme. ⑥Achievement of cooperation on agricultural and rural development, and future prospect. ⑦Consideration on applicability and adaptability in Japanese style agricultural administration system. ⑧Making plan on establishment of new institutional systems and improvement of existing institutional system through PCM procedure. 3. Finalization Phase in a participant's home country (①②by participating country side, ③by Japan side) <ol style="list-style-type: none"> ①Holding workshop / presentation / report of output in Japan to related organizations and stakeholders with ownership of participants' organization. ②Making "Final Report" on evaluation and acceptability of output in Japan based on above process. ③ (If necessary) Consultation with ex-participant and participating organization by TV meeting system. 	<p>IMPLEMENTING PARTNER</p> <p>JICA CENTER</p> <p>COOPERATION PERIOD</p> <p>REMARKS</p>	<p>Ministry of Agriculture, Forestry and Fisheries</p> <p>JICA Tsukuba</p> <p>2008~2010</p> <p>1. This program is "Project-type" that target country and organization shall be fixed during cooperation term (3 years) to achieve 3rd (final) year program objective. 2. According to the above reason, new country can not be allocated to this program from 2nd or 3rd year in principal.</p>


Administration of Livestock Industry 畜産行政		GROUP  0980076
		Agricultural/Rural Development—Agricultural Policy and System
		9 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 The program point is that the participants recommend their own nation, region and organization workable planning themselves. Their workable planning will be made out as action plan through the acquired knowledge and skills for the concrete issue resolution of the livestock production.</p> <p>【Outputs】 (1) To understand fundamental principle on administrative organization. (2) To understand administrative measure and system of animal industry for end up finding a solution of administrative issues (3) To understand comprehensive knowledge and skills of animal production, hygiene etc. for solving administrative issues. (4) To be able to planning of livestock industrial promotion project in line with the current conditions of their own countries and to gain a further understanding of problem analysis and solution approach from the viewpoint of rural development.</p>	<p>【Target Organizations】 administrative organ 【Target Group】</p>	
CONTENTS	PROGRAM PERIOD	Jan.5.2010 ~ Mar.13.2010
<p>(1) •Lecture on history, basic plan and strategy of agricultural basic act. •Lecture on history of legislation concerned livestock industry. Lecture on basic policy and setting goals concerned livestock industrial promotion. •Lecture on administrative measure such as credit policy and granted project. •Lecture on coordination with central and local administration. Visit to related institution. (2) •Lecture on administrative measure and system concerned promotion of farming with livestock in the early postwar years. •Lecture on administrative system concerned promoting animal production and protecting farm producer. •Lecture on administrative system concerned distribution of animal living body and livestock product. Visit to related organization and facilities. •Lecture on history and role of related animal industrial organization. Visit to related organization. •Lecture on history and activity of agricultural cooperative and farm producer group. Visit to related organization. (3) •Lecture and practice on reproduction technology in line with the current conditions of their own countries. •Lecture and practice on minimum of hygiene control technology. •Lecture and practice on breeding improvement method in line with the current conditions of their own countries. •Lecture and practice on concrete technology of feed production, feed processing and by-product utilization. •Lecture and practice on concrete animal waste disposal technology. •Visit to institutions which are related research for animal productivity enhancement and disease control and prevention. (4) •Lecture on the idea and the method of rural development and introduction of the case. •Lecture and practice on the Project Cycle Management method. •To make out action plan and to make a presentation and evaluations about it.</p>	IMPLEMENTING PARTNER	National Livestock Breeding Center Incorporated Administrative Agency
	JICA CENTER	JICA Tohoku
	COOPERATION PERIOD	2008~2010
	REMARKS	


Sustainable Management of Irrigation and Drainage Project かんがい排水プロジェクトの持続的 management		GROUP  0980200
		Agricultural/Rural Development—Agricultural Development
		12 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 At the end of the program, the participants are expected to achieve the following; Agricultural water is rationally and efficiently distributed from main facilities to beneficiary's farmer's field.</p> <p>【Expected Results】 To achieve this program objective, participants are expected in Japan;</p> <p>1-1. Relation between farming plan and irrigation plan is logically understood based on the findings of importance between irrigated agriculture and farming system, 1-2. Basic techniques to plan and conduct efficient water management, and water circulation including drainage are understood, 2-1. Throughout problem findings in total irrigation system, efficient water management and distribution system to farmers' field is understood, 2-2. Function of each facility in total irrigation system as well as water management techniques and facility maintenance techniques are understood, 3. For the efficient water distribution and supply to farmers' field, sustainable water management and facility management system are understood, and 4. From the broad viewpoints such as policy and institution / system on irrigated agriculture, method of analysis and identification on faced problem, project planning and guidance to related official and beneficiary farmers are understood.</p>	<p>【Target Organizations】 Central or main Regional / Local Governmental (Ministry / Agency / Institution) responsible for planning, execution and management (including establishment, enhancement and activating water users' associations) on irrigation and drainage project for lowland (paddy) field or upland field.</p> <p>【Target Group】 1. be a technical official (or engineer), particularly those to plan, execute and manage the irrigation and drainage project for lowland (paddy) field or upland field. 2. have more than 5 years' experience in the field of irrigation, civil engineering, etc.</p>	
CONTENTS	PROGRAM PERIOD	Jul.26.2009 ~ Dec.23.2009
<p>1. Preliminary Phase in a participant's home country (by participating country side) Making and submission of "Inception Report" to clarify, analyze and recognize the CONTEXT to promotion of irrigated agriculture by sustainable operation and management of irrigation water and facility by use of concept of Capacity Assessment.</p> <p>2. Core Phase in Japan Against faced problem/difficulties, through lecture practice/experiment and observation related to below topic outline, participants are required to compile Interim Report which consists of two papers as a practical output to be left in Japan; ①Technical Report, ②Action Plan.</p> <p>Topic outline (subject to minor changes); ① Basic techniques of irrigated agriculture, and irrigation and drainage system. ② Water management techniques and operation / maintenance / rehabilitation techniques of irrigation facilities. ③ Establishment of organization and system for water management and facility management. ④ Analysis and identification on faced problem, and project planning and guidance method to related official and beneficiary farmers.</p> <p>3. Finalization Phase in a participant's home country (by participating country side) ① Based on participants organization's and stakeholders' consensus and approval by reporting Interim Report to them, participants finalize the Action Plan. ② Participants implement the activities of Action Plan with ownership of participants and/or their organization. ③ Participants make and submit the "Progress Report" on situation of implementation of Action Plan ④ Participants make and submit the "Final Report" on result of implementation of Action Plan.</p>	IMPLEMENTING PARTNER	Under planning
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2006~2010
	REMARKS	

Zero Emission-type Agriculture and Rural Development ゼロエミッション型農業・農村開発		GROUP  0980758
		Agricultural/Rural Development—Agricultural Policy and System
		5 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 The direction of basic policy formation aimed at zero emission-type agriculture and rural development is to be clarified in the target organization.</p> <p>【Outputs】 To attain the objective, the participants are expected to achieve the followings: (1)Issues regarding the introduction of zero emission-type agriculture system and rural communities are preliminary identified in the target organization. (2)Environmental issues caused by agriculture and rural activity are identified. (3)First-year: To be able to identify issues to introduce the realistic innovative techniques for the control and utilization of waste from agriculture and rural activity. Second-year: To be able to identify issues to establish a support organization for the control and utilization of waste from agriculture and rural activity. Third-year: To be able to identify issues to set the indicators for policy evaluation and objectives management for the control and utilization of waste from agriculture and rural activity. (4)To be able to analyze the present situation and tasks in terms of systems for introducing zero emission-type agriculture and rural communities in their countries and draw up draft policy proposals. (5)The draft policy proposals will be shared among the organizations to study feasibility.</p> <p>Note: Zero emission-type agriculture and rural development means waste recycling and environmentally-sound agriculture and rural development.</p>	<p>【Target Organizations】 Ministry of agriculture, agricultural research institutes and agriculture universities</p> <p>【Target Group】 1) Mid-ranking administrative officers, researchers, and lectures 2) Those who have more than 5 year practical experience in agricultural and rural development</p>	
CONTENTS	PROGRAM PERIOD	Feb.28.2010 ~ Apr.30.2010
<p>【Preparatory Phase】 To analyze issues in the target organization and prepare the Inception report.</p> <p>【Program in Japan】 This program consists of lectures, practical exercises, observations and discussions of the following contents; (1)• Present state of environmental problems facing agriculture and rural communities • Importance of environmental measures in agriculture and rural communities • Outline of zero emission-type agriculture and rural communities (2)• Waste control and recycling technology • Agricultural policy and system in each sector • Technology for utilizing recyclable energy (3)• Project Cycle Management • Utilization of zero emission-type agriculture and rural development in the target country • Preparation of interim report</p> <p>【Program in home country】 To make a report and conduct a study session on the policy proposal, and submit the Final report on the progress of policy formulation.</p>	IMPLEMENTING PARTNER	Obihiro University of Agriculture and Veterinary Medicine
	JICA CENTER	JICA Obihiro
	COOPERATION PERIOD	2009~2011
	REMARKS	<p>In order to realize the policy proposal after participants' returning to their home countries, the participants and their organizations will communicate during the program in the following three steps; First: At the commencement of the program, the participants must bring a document that ensure the good communication with the organizations on the issues to be dealt with during the program. Second: In the middle of the program, the participants will confirm with the organizations regarding the contents of the interim report, such as issues, direction, and methodology. Third: At the close of the program, the participants will confirm with the organizations on the contents of Interim report before the presentation.</p>

Participatory Community Development for Practitioners through JICA-NGO Partnership JICA-NGO連携による実践的参加型コミュニティ開発		GROUP  0980805	
		Agricultural/Rural Development—Rural Development	
		9 participants ★ / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
【Objectives】 Formulating an action plan toward participatory community development based on the acquired project management method by staffs working on Local NGO, International NGO and relevant ministry 【Outputs】 (1) Participants will be able to explain concept of community development (2) Participants will be able to explain role of outsider on community development and development method by the outsider through local wisdom (3) Participants will be able to explain necessary point of view like diversity, minority, inclusion and conflict resolution (4) Participants will be able to explain linkage method with a wide variety of stake-holders (5) Participants will be able to formulate an Action plan toward participatory community development	【Target Organizations】 Local NGO and International NGO which engage in participatory community development /[Be available only with NGO participant] Relevant Ministry which engages in coordination with NGO 【Target Group】 1) be leaders or project managers of local/national NGO who are engaged in rural/community development projects/programs in their countries. 2) have at least three (3) years of field experience working for rural/community development projects/programs, 3) be preferably currently engaged in rural/community development with prospects of continuous involvement in the future.		
CONTENTS	PROGRAM PERIOD	Aug.18.2009 ~ Oct.2.2009	
(1) Discussion concerning <Analyzing what is the community, why the community is valued on development><Presentation and analyzing of community development which is managed by participants> (2) Discussion concerning<Analyzing on role of outsider on community development><Facilitation method to promote the development led by the residents> Fieldwork concerning<Philosophy of local wisdom> (3) Discussion and Fieldwork concerning<Diversity, inclusion, gender on participatory community development><Diversity-based conflict resolution to achieve partnership> (4) Discussion and Fieldwork concerning<Analyzing a wide variety of stake-holders on community development><Case study of linkage method with community, government and NGO> (5) Formulation, Presentation and Discussion of Action plan which is based on output of this program	IMPLEMENTING PARTNER	Asia Volunteer Center	
	JICA CENTER	JICA Osaka	
	COOPERATION PERIOD	2008~2010	
	REMARKS	This seminar will be implemented twice for JFY 2008. The second one is scheduled from Nov.3.2008 to Dec.19.2008 in the same content.	

Rural Development by Agricultural Promotion 農村振興		GROUP  0980840
		Agricultural/Rural Development—Rural Development
		11 participants ★ / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 An official rural development plan is formulated in the participant's organization through discussion based on the proposed Action Plan by the participant.</p> <p>【Expected Results】 (1) Inception Report is formulated and submitted to JICA. (Preliminary phase) (2) Important factors of successful/unsuccessful rural development shall be clarified. (Phase in Japan) (3) Distribution system and marketing method of agricultural products shall be clarified. (Phase in Japan) (4) Action Plan to promote rural development is proposed by the participant. (Phase in Japan) (5) Action plan shall be shared/discussed at organizations in charge of rural development/rural promotion and reported to JICA as a Final Report within 3 months after the program in Japan. (Finalization phase)</p>	Central/local government in charge of rural development or agricultural organizations/farmers' associations (agricultural cooperatives, relevant NGOs etc.) including extension workers	
CONTENTS	PROGRAM PERIOD	Aug.9.2009 ~ Sep.19.2009
<p>This program is designed for senior officers in charge of rural development by promoting agriculture in respective countries.</p> <p>(1) Formulation and submission of Inception Report (2) Learning important factors of successful/unsuccessful rural development through case study; ① Roles of leaders, ② Utilization of local resources, ③ Relationship with government, ④ Roles of private organization (Agricultural cooperatives, NGOs) (3) Distribution system of agricultural products in Japan, Marketing method (4) PCM method, Discussion, Presentation (5) Reporting of Training Program in Japan, Formulation and submission of Final Report</p>	IMPLEMENTING PARTNER	Hokkaido International Agri-exchange Association (HIAA), Graduate school of agriculture, Hokkaido university etc.
	JICA CENTER	JICA Sapporo
	COOPERATION PERIOD	2009~2011
	REMARKS	<p>Two courses will be conducted in the same contents, and same period, but different implementing partner.</p> <p>(B) Implementing Partner: Takikawa International Exchange Association</p>

Empowerment of Rural Women 農村女性能力向上		GROUP  0980889
Agricultural/Rural Development—Other Agricultural/Rural Development Issues		
		10 participants ★ / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 Participants and their institution will finalize the Life Improvement Action Plan (LIAP) which integrated Japanese life improvement approach, and the outcomes will be shared by all the ex-participants through the website of JICA-WELI training.</p> <p>【Expected Results】 1.To understand the outline of Life Improvement Activities, to conduct a brief baseline survey to understand the actual situation of the target rural women in their countries and identify their specific problems. 2.To understand the process of Japanese rural development specifically the life improvement approach and get to explain key factors attributed to empowerment of rural women. 3.To acquire practical methods for problem-solving that meet rural women's needs 4. To understand rural women's economic, social and environmental activities arising from disciplined life improvement practices. 5.To formulate draft LIAP which they use as a tool to solve the problems of rural women and to adjust the LIAP and finalize it.</p>	<p>【Target Organization】 Branch offices of Central Government, Local Government or Non-Governmental Organization in charge of rural life improvement and rural women empowerment</p> <p>【Target Group】 <Position> 1.Extension officer or Subject Matter Specialist who is engaged in extension activities for rural women, such as life improvement (home economic), agriculture, community development etc. 2.Officer who is practically involved in a project related to empowerment of rural women <Experience> have over three year's experience in the above-mentioned activity <Others> be university graduates, or have an equivalent educational background</p>	
CONTENTS	PROGRAM PERIOD	May.24.2009 ~ Aug.8.2009
<p>【Preparatory Program】 1.Preparatory Study using Multimedia Material and implementation of Baseline survey 2.Preparation of Inception Report</p> <p>【Program in Japan】 To understand the following items through lectures, practices, and field trips. 3.Life improvement approach 4.Practical methods for problem-solving that meet rural women's needs 5.Rural women's economic, social and environmental activities 6.Formulation of draft LIAP</p> <p>【Post Program】 7.Finalization and implementation of LIAP</p>	IMPLEMENTING PARTNER	Rural Women Empowerment and Life Improvement Association
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2009~2011
	REMARKS	This course is implemented twice this year. (The second course starts from September 27 and end on December 12.)

Environment-oriented agriculture for increase of food production 食糧増産のための環境対応型農業		GROUP  0980900
		Agricultural/Rural Development—Agricultural Development
		8 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 To develop action plan of introducing agricultural production system for combining both production increase and environmental conservation by using agricultural machinery (farm equipment).</p> <p>【Output】 To attain the objective, participants are expected to achieve the followings: (1) To be able to explain the general concept and importance of environment-oriented agriculture with examples, (2) To be able to analyze soil and water, and collect basic field data for management, (3) To be able to sort of issues of cultivation management and/or its dissemination from the view point of Environmental-oriented agriculture as compare to Japan and economic evaluation, (4) To be able to propose optimum use of agricultural machinery or farm equipment based on cultivation management, mentioned in the output (3). (5) To be able to draft a technical development plan based on environment-oriented agriculture with considering actual conditions of their organizations.</p>	<p>【Target Organizations】 Organizations where introduction of agricultural mechanization and/or crop cultivation are related</p> <p>【Target Group】 (1) Public officer or researchers at chief level, extension workers and teachers at higher education organizations (2) More than 3 years practical experience in technological development or technical guidance of crop cultivation or agricultural machinery (3) Age: 25-50 years old</p>	
CONTENTS	PROGRAM PERIOD	Jul.20.2009 ~ Nov.6.2009
<p>【Preparatory phase】 Submit an Inception report which includes contents of work, facing problems, particular interest in the program and its reason. Fill out the questionnaire.</p> <p>【Program in Japan】 This program consists of lectures, practical exercises, observations and discussions of the following contents: (1) Environmental-oriented agriculture, environmental pollution, biomass energy (2) Methodology of soil analysis (3) Evaluation of environmental cost and benefit (4) Appropriate utilization method of agricultural machinery (5) Analyze the problems described in the Inception report and make a practical Interim report on activity objective after returning home, expected outputs and major contents of activities.</p> <p>【Program in home country】 In accordance with the Interim report, submit the Final report including the progress of activities within 6 month.</p>	IMPLEMENTING PARTNER	Obihiro University of Agriculture and Veterinary Medicine
	JICA CENTER	JICA Obihiro
	COOPERATION PERIOD	2009~2011
	REMARKS	

Target Countries: Central Asian Countries


9 participants / Russian


OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p><Objective> Participant's organizations officially discuss and formulate plan to improve/strengthen role and function of farmers' organization in respective country based on the Action Plans proposed by participants.</p> <p><Outputs> (1) Working sheet on problem analysis of farmers' organization is formulated and submitted to JICA. (Preliminary phase) (2) The issues/problems shall be clarified through analyzing current situation and challenges of farmers' organization in the participant's country. (Phase in Japan) (3) The issues/problems shall be clarified through understanding the function and role of farmers' organization in Japan. (Phase in Japan) (4) Action Plan to improve/strengthen farmers' organization in participant's home country shall be proposed by the participant. (Phase in Japan) (5) Action plan shall be finalized and implemented in the participant's organization. (Finalization Phase)</p>	<p>[Target Organizations] Central/local government in charge of farmers' organization</p> <p>[Target Group] (1) Senior administrative officers of the central government in charge of administrating farmers' organization (2) First year: Administrative officers of the central government Second year: Staff of farmers' organization Third year: Administrative officers of the central government and staff of farmers' organization</p>	
<p>CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>May.6.2009 ~ Jun.6.2009</p>
<p><Preliminary Phase> (1) Formulation and submission of Working sheet</p> <p><Phase in Japan> (2) • Presentation "Country report" • Discussion "Country discussion" (3) • Lectures "Japanese-style agricultural cooperatives, Compensation/insurance for agricultural disaster, Agricultural financing" • Site visits "Management of agricultural land, Improvement/management of irrigation facilities" • Lectures and Site visits "Management of farmers' organization, Distribution of agricultural materials and products, Development and extension of new agricultural technologies" (4) • Discussion, consultation and proposing of Action plan • Presentation of Action plan</p> <p><Finalization Phase> (5) • Discussion and finalization of Action plan in the participant's organization within one month • Reporting the progress of Action plan to JICA within six months</p>	<p>IMPLEMENTING PARTNER</p> <p>JICA CENTER</p>	<p>Hokkaido International Agri-exchange Association (HIAA)</p> <p>JICA Sapporo</p>
	<p>COOPERATION PERIOD</p>	<p>2009~2011</p>
	<p>REMARKS</p>	

Target Countries: Asia

8 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>Participants will visit and practically learn about water user's associations (Land Improvement Districts: LID) which have been organized and operated by local farmers. These observations and lectures will contribute to strengthening and improving farmer's organization in participant's countries/areas.</p> <p>To reach the objective, participants are expected to achieve the following: (1) To understand procedures to organize farmers for participatory irrigation management. (2) To understand government interactions assisting farmer's organizations. (3) To acquire operation and maintenance techniques for irrigation systems. (4) To understand the systems for participatory irrigation management. (5) To formulate an Action Plan to improve/strengthen irrigation management in the participant's country.</p>	<p>(1) Administrative/technical officers in charge of irrigation management in central/local government. (2) Individuals with at least 3 years at practical work experience (3) Age: 25-45 years old</p>	
CONTENTS	PROGRAM PERIOD	May.26.2009 ~ Jul.24.2009
<p><Preparatory Phase>Formulation of Job Report <Curriculum in Japan> (1) Observations and Lectures: a) Grasp of Land Improvement District b) History of agricultural policy and agricultural water management in Japan c) Water resource, water right, irrigation planning in Japan and LIDs d) Management of LIDs and cost-sharing between farmers and government e) Operation and maintenance of irrigation facilities in LIDs f) Japan Agricultural Cooperatives System (2) Others: a) Presentation of a Country Report b) Preparation and presentation of an Action Plans c) Discussion <Finalization Phase> Implementation of the Action Plan and the report of the progress.</p>	IMPLEMENTING PARTNER	Taisetsu Land Improvement District
	JICA CENTER	JICA Sapporo
	COOPERATION PERIOD	2005~2009
	REMARKS	


Participatory Rural Development Network in Central America and Caribbean Region 中米・カリブ地域 住民参加型農村開発ネットワーク運営・管理		R/F 	0984125
Target Countries: Central America and Caribbean Region and Mexico		17 participants /	Spanish
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Objectives】 Participants develop necessary capabilities to plan, implement and evaluate rural community development projects, and carry out action plans utilizing results gained by the training. Also participants practice as main actors activities both of National and Regional levels of the Participatory Rural Development Network in the Central America and Caribbean Region.</p> <p>【Expected Results】 1. Participants understand Japanese experience in rural development "Livelihood Improvement Approach" and practice the Approach utilizing the training materials in order to improve lives of rural farmers. 2. Participants understand the concept and approach of Participatory Development and Gender, and practice the utilizing the training materials. 3. Participants understand the concept and more effective methods of planning and evaluation of community development projects, and practice it utilizing the training materials. 4. Participants and their organizations prepare and submit Interim Reports with the experience gained in training program in Japan and Panama, and the Post-Program in respective countries. 5. Participants and their organizations take part in the Participatory Rural Development Network in the Central and Caribbean Region, and prepare and submit Final Reports with the execution in 12 months.</p>	<p>【Target Organizations】 Central or local governmental organization, NGO in charge of rural development programs</p> <p>【Target Group】 1. Duty position 1) Officers and extensionists of the Central or Local governmental organizations 2) Staff and extensionists of NGO 2. Job experiences Personnel with work experiences in rural development more than 3 years 3. Other requirements 1) Be nominated by the government of the respective country under close coordination with JICA Officer Embassy of Japan 2) Be engaged or planning to be engaged in JICA's Cooperation Programs</p>		
CONTENTS	PROGRAM PERIOD	Oct.14.2009 ~ Nov.28.2009	
1. Pre-Program Self-study using the material for the Pre-Program including the JICA Technical Cooperation Contents "Livelihood Improvement Approach for Rural Community Development", Preparation of Inception Reports 2. Program in Japan (1) Rehabilitation Process of rural area after the W.W.II, Livelihood Improvement Approach, Facilitation Method, Mechanism of capacity development, System of extension works, visits to livelihood improvement groups, practice of livelihood improvement techniques 3. Program in Japan (2) Participatory development, Gender in rural development, Workshop in Kora-town, Farm stay/ Interview survey, Sharing of good practices among the participants, Preparation and presentation of Progress Reports I 4. Program in Panama Visit of existing projects, Workshops in rural community, Case-study presentation by ex-participants, Discussion on the Network activities with ex-participants and national staff of JICA offices, Preparation and presentation of Progress Report II, Preparation and presentation of the Panama Pronouncement 2009 (tentative name) on annual activities plan 5. Post-Program (1) Workshops with target groups, coordination with the belonging organizations and JICA offices, Preparation and submission of Interim Reports 6. Post-Program (2) Network activities in national level, Network activities in regional level, Preparation and submission of Final Report on the executed activities in 12 months.	IMPLEMENTING PARTNER	IC Net Limited	
	JICA CENTER	JICA Tsukuba	
	COOPERATION PERIOD	2008~2010	
	REMARKS	The Participatory Rural Development Network in the Central America and Caribbean Region was initiated by the ex-participants of the course in 2005. Execution of the pilot projects, study tours and seminars, and sharing the results through TV Conferences and Web site have been carried out in this Regional Network.	

Strengthening of Agricultural Market Economies Through Enhanced Collaboration Sectors in South East European Countries 南東欧地域 農業協働セクターの連携・活性化による農産物市場経済強化		R/F  0984135
Target Countries: Southeast European Countries		Agricultural/Rural Development -Agricultural Policy and System 8 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
【Objective】 To formulate the draft action plan to strengthen agricultural market economies through enhanced collaboration sector for agriculture.	【Target Organizations】 Ministry of Agriculture, or related organizations	
【Outputs】 To attain the objective, the participants are expected to achieve the followings: (1) To be able to explain the present situations and problems of agricultural, mountain, and fishing villages in Japan, (2) To be able to explain Japan's systems of production, distribution, and foreign trade of agricultural products, (3) To be able to explain the activities of the collaboration sector for adapting agricultural products to the market economy of Japan, (4) To be able to formulate the draft action plan in order for each home country's agricultural collaboration sectors to respond to the market economy.	【Target Group】 1) Mid-ranking administrative officers, or staff members of cooperative farms 2) Have more than three years of experience in agricultural production and distribution field	
CONTENTS	PROGRAM PERIOD	Sep.6.2009 ~ Oct.24.2009
【Preparatory phase】 To submit the Inception report which includes an introduction of work, problem and its reason, and the expected solutions in the target organization.	IMPLEMENTING PARTNER	Obihiro University of Agriculture and Veterinary Medicine
	JICA CENTER	JICA Obihiro
	COOPERATION PERIOD	2008~2010
	REMARKS	
【Program in Japan】 This program consists of lectures, practical excises, observations, and discussions on the following topics. (1) •Present social and economical condition and issues in rural area •Actual condition of infrastructure development (2) •Marketing system of agricultural products in Japan •Distribution system of production materials •Present condition and issues on price formation (3) •Present condition and issues on collaborative activity •Social capital (boost confidence, formation of safty-net) •Farming support system •Agricultural information system/developing technology system (4) •Transition to a sustainable market economy and agricultural structure in Southeast European countries •Issue Analysis of target country •Interim report regarding the solutions of problems in the target organization		
【Program in home country】 To submit the Final report on activities after returning home country.		

Target Countries: English-speaking countries in Africa

12 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objective】 Rural community development plan, which compiled with the knowledge and method of Livelihood Improvement Approach, is adopted by participants' belonging organization</p> <p>【Expected Results】 (1) To be able to explain the outline of livelihood improvement movement in Japan, facilitation methodology in livelihood improvement approach and necessary government support system (2) To be able to explain success factors of good practices of Japan, of SONGA-MBELE in Kenya, and of participants' countries, through comparative discussions (3) To formulate an action plan to apply the livelihood improvement approach to the respective target area (4) Rural community development is implemented by compiling and implementing action plan through discussions in participants' belonging organization</p>	<p>【Target Organizations】 Central government, Local government or NGO which is responsible for rural development</p> <p>【Target Group】 (1) Field Worker: Extension worker of governmental institution / NGO who is engaged in field work related to rural community development more than three years (2) Management Officer: Local government officer who is in charge of management of the activities' implementation (3) Planning Officer: Central government officer who is in charge of planning and evaluation of rural community development projects</p>	
<p style="text-align: center;">CONTENTS</p>	<p style="text-align: center;">PROGRAM PERIOD</p>	<p>Jan.17.2010 ~ Mar.6.2010</p>
<p><Program Content 1> 【Preparatory Program】Inception Report making, Self study by "Technical Cooperation Contents - Livelihood Improvement Approach for Rural Community Development -" 【Program in Japan】 Facilitation methodology, Government support system : Lecture, discussion and study tour</p> <p><Program Content 2> Good practice presentation, Discuss the various experiences such as Japanese, Kenya and participants' good practice</p> <p><Program Content 3> Discuss the application method and making an action plan</p> <p><Program Content 4> 【Program in Japan】Action Plan presentation with related people in participants' countries and Japan 【Post Program】Submission of Final Report and JICA-Net seminar</p>	<p style="text-align: center;">IMPLEMENTING PARTNER</p>	<p>JICA Tsukuba</p>
	<p style="text-align: center;">JICA CENTER</p>	<p>JICA Tsukuba</p>
	<p style="text-align: center;">COOPERATION PERIOD</p>	<p>2009~2011</p>
	<p style="text-align: center;">REMARKS</p>	<p>It is desirable that participants from each target group above are hoped to be able to implement activities together in their country.</p>

Environmental symbiosis agriculture 環境共生農学(長期)		L/T  0981141
Agricultural/Rural Development—Agricultural Development		2 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Objectives】 Through the master's thesis making, participants who belongs to the each country research institute are going to obtain the research technique in the field of agriculture/environment, such as (A) Adaptive cultivation technology development, (B) Soil/Water cycle conservation. In addition, the examination ability of belonging institute improves through execution of the research plan, which utilize the obtained research technique in Japan, after returning respective countries.</p> <p>【Expected Results】 1.To extract the issues, which are not sufficiently dealt with, to be addressed in the research plan in Japan with respect to interaction of agriculture and the environment pertinent to individual / institution / own country. 2.To formulate a research plan in Japan, through lectures, experiments, discussion and research in the home country. 3.To acquire new research techniques through research activities in Japan, and compile them to a Master's Degree thesis. 4.To develop an Action plan, a realistic and feasible research plan, through interaction with Japanese researchers and the home institute for implementation in home country 5.To accumulate a knowledge and information of agriculture and environmental fields through execution of the research plan, and establish a Network through communication with Japanese researchers and participants.</p>	<p>【Target Organizations】 Research institute related to the field of agriculture/environment</p> <p>【Target Group】 1.Researcher who works in the sector of sustainable development of agriculture, and who preferably works or will work for JICA activities in their countries. 2. Who has work experience of more than 5 years in the field. 3. Who is under the age of 45</p>	
CONTENTS	PROGRAM PERIOD	Feb.7.2010 ~ Sep.30.2011
<p>【Preparatory Program】 1.Extract the problem which their belonging institute has / Making a draft research plan in Japan</p> <p>【Program in Japan】 2.Making a research plan in Japan, and report it to their belonging institute in respective countries 3.Material collection, execution of research in Japan, and make a thesis 4.Making and discuss the research action plan</p> <p>【Post Program】 5.Execution of research action plan after returning respective countries</p>	<p>IMPLEMENTING PARTNER</p> <td style="vertical-align: top;">Graduate School of Agriculture, Ibaraki University</td>	Graduate School of Agriculture, Ibaraki University
	JICA CENTER	JICA Tsukuba
	COOPERATION PERIOD	2008~2010
	REMARKS	