

14. Fisheries

Capacity Building of Local Government to Develop and Guide Fishers' Organizations for the Realization of Sustainable Regional Fishery 持続可能な地域水産業の実現のための漁業者組織育成・指導能力強化		PITD Solution 1080752 Sector : Fisheries Sub-Sector : Fisheries Administration	
Target Countries: Countries which have a sea or inland water		8 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>【Course Objective】The consideration to launch the Action Plan made by the participants through the training in Japan is initiated under the initiative of the participant's organization.</p> <p>【Expected Outputs】</p> <p>①Issues of operation and development of fishers' organizations in participant's country will be clarified, causes for each issue will be analyzed, and objective to achieve through the training will be specified (Preliminary Phase)</p> <p>②Basic knowledge necessary as administrator for guiding fishers' organizations with responsible operation will be gained and its contents can be explained concretely.</p> <p>③Specific skills and methods necessary as administrator for guiding fishers' organizations with responsible operation will be gained and they can be explained.</p> <p>④Action plan with high feasibility will be formulated incorporating knowledge and skills gained through the training in Japan</p> <p>⑤Action Plan is shared in the participant's organization (Finalization Phase)</p>	<p>【Target Organization】 Local or central governments in charge of managing and guiding regional fisheries</p> <p>【Target Group】</p> <ul style="list-style-type: none"> •National or local government officials who are currently engaged in managing and guiding regional fisheries •Have more than 5 years of work experience in the relevant fields •Should have degrees of fishery-related universities or have studied economics, business administration, public administration or legal science 		
CONTENTS	PROGRAM PERIOD	Mar / 22 / 2011 ~ Jun / 18 / 2011	
<p>【Preliminary Phase】</p> <p>(1) Preparation of Job / Country Report Presentation and Issue Analysis Sheet</p> <p>【Core Phase in Japan】</p> <p><After arriving at Japan, Job/Country Report Presentation and Issue Analysis Workshop will be held to check the achievement of (1) and to complement></p> <p>(2) Lectures on fishery laws and system / administration / fishery economics / management and distribution covering overall fisheries of Japan, Lectures on actual cases of resource management activities in Japan</p> <p>(3) Lectures, observations and practices concerning methods to analyze necessary policy tools and social/economical aspects of region, and concerning methods to implement measures</p> <p>(4) Formulation, Presentation and Discussion of Action Plan.</p> <p>【Finalization Phase】</p> <p>(5) Sharing the Action Plan in participant's home organization, Submission of the Progress Report (3 month after participant's return)</p>	IMPLEMENTING PARTNER	National Fisheries University	
	JICA CENTER	JICA Chugoku	
	COOPERATION PERIOD	2010~2012	
	REMARKS and WEBSITE	Web site: http://www.fish-u.ac.jp/e-index.htm	

Stock management and Enhancement in the Sea 海域における水産資源の管理及び培養		PITD Trainers 1080336 Sector : Fisheries Sub-Sector : Fisheries Resource Management	
Target Countries: Maritime countries		7 participants / English	
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>Participants share knowledge and techniques about accurate management of fishery stocks for sustainable supply of foods from sea resources among people concerned in their belonging organizations.</p> <ol style="list-style-type: none"> 1. Basic biology 2. Fisheries and Environmental science 3. Artificial technologies and problems 4. Governmental program 5. Making and Implementing the Action Plan 	<p>Target Organization: Governmental research institutes or universities in the field of fishery science</p> <p>Target Group:</p> <ul style="list-style-type: none"> -be engaged in either research or educational activity in fisheries at above organizations -be a graduate of university or has the equivalent academic background, preferably not bearing Ph.D degree -have more than 5 years' experience in the field of fishery 		
CONTENTS	PROGRAM PERIOD	Jul / 5 / 2010 ~ Oct / 31 / 2010	
<p>This program contains lectures, practices and site visits as below;</p> <ol style="list-style-type: none"> 1. Benthos taxonomy & ecology, Plankton taxonomy & ecology, Fish taxonomy, Early life history of fishes, Phycology (taxonomy & ecology), Fish phylogeny, Decapod taxonomy for aquaculture, Genetics, Biological statistics, Community ecology 2. Environmental chemistry, Methodology of limnology, Population dynamics, Statistical method on evaluation of stocking & effectiveness for fisheries resources, Application of statistical information for fishery, Introductory fish psychology 3. Hatchery enhancement, Seed-release situation, Technology of seed production, Seed production of grouper & tuna, Digestive enzyme development in reared fish larvae, Food nutrition for rearing, Distribution fates & effects of synthetic, Propagation of marine ornaments, Fish disease, Fisheries pollution 4. Traditional fishery ground & method, Fisheries in Kochi, Fishery cooperatives for resource management & enhancement, Development of mangrove forest in coastal desert, Study excursions for some regions 5. Making action plan in Japan and implemetation of the plan at home countries. 	IMPLEMENTING PARTNER	Usa Institute of Marine Biology, Science Research Center, Kochi University	
	JICA CENTER	JICA Shikoku	
	COOPERATION PERIOD	2010~2012	
	REMARKS and WEBSITE		

Coastal Fishing Technique for Sustainable Resource Use 持続可能な沿岸漁業		PITD Trainers 1080975 Sector : Fisheries Sub-Sector : Fisheries Resource Management	
		5 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>A project plan, which is feasible to solve the problems in the participants' work site, based on project planning skills and basic knowledge related to coastal fishing technique and acquired in the training program is formulated and promoted.</p> <p>1) To learn basics of the mechanisms of fishing equipment and fishing properties 2) To learn the actual situation of popular fishing equipment through practice 3) To learn basics of aquatic resource biology and management, fishery management based on Code of Conduct for Responsible Fisheries 4) To learn appropriate fishing technologies and regional approaches required to promote compliance with fishery regulations 5) Improvement plan for solving problems on sustainable coastal fishery is formulated and approved in the participant's organization after the training.</p>	<p>1) Current Duties: Be in charge of research and development in improvement or of fisheries extension, and be fields 2) Experience in the relevant field: have more than 3 years experience in the field mentioned above 1). 4) Educational Background: be a graduate of university 5) Language: have a competent command of spoken 6) Age: be under 40 years of age (preferably)</p>		
CONTENTS	PROGRAM PERIOD	Mar / 15 / 2011 ~ Jun / 14 / 2011	
<p>(1) [Lectures] Fishing technology, Designing Fishing Gear, Trawl Fishing, Line Fishing, Se-net Fishery, Pot Fishery, Purse seine, Gillnet Fishery (2) [Practice] Structure and operation of trawl, Trap net setting and management, Practice for various type of fisheries [Observation] Katura Fisheries Cooperative Association (3) [Lectures] Sensory and Behaviour of Aquatic Animals, Aquaculture, Fisheries Resource Biology, Ichthyology, Code of Conduct for Responsible Fishery (4) [Lecture] Fisheries and Management, Designing Fishing Gear, Fisheries Management and Development Initiatives, Cooperative and Marketing, Post-harvest Treatment [Practice] Measuring Methods, Practice for Fisheries, [Observation] Fisheries High School, Marine Research Center (5) [Lecture] PCM Method, Study report guidance, Project planning [In Japan] Action Plan Formulation, Presentation and Discussion [In home countries] Report on results of the training program to participant's organization, Improvement plan is approved and extended.</p>	IMPLEMENTING PARTNER	Faculty of Fisheries, Kagoshima University	
	JICA CENTER	JICA Kyushu	
	COOPERATION PERIOD	2010~2012	
	REMARKS and WEBSITE		

Coastal Fisheries Management 沿岸漁業管理		PITD Solution 1080863 Sector : Fisheries Sub-Sector : Fisheries Resource Management	
		10 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>[Objective] Participating organizations formulate, approve and start to implement the appropriate Fisheries Management Plan for sustainable utilization.</p> <p>[Expected Results] (1) To be able to explain the own country's coastal fisheries problems and the Japanese coastal fisheries framework (2) To be able to explain theoretical outline and method of fisheries management (3) To be able to explain examples of Japanese coastal fisheries management (4) To be able to formulate Action Plan for fisheries management</p>	<p>[Target Organization] Central or regional governmental organization including research institute which is responsible for planning and implementation of coastal fisheries management. [Target Group] Position: official responsible for planning and implementation of the coastal fisheries management in central or regional government / research institute. Experience in the relevant field: have more than 5 years' experience in the field of coastal fisheries management</p>		
CONTENTS	PROGRAM PERIOD	Aug / 17 / 2010 ~ Oct / 9 / 2010	
<p>[Preliminary Phase] After reading the designated text, write up your idea, answer to some questions and submit the report. [Core Phase in Japan] 1. Presentation of Inception Report, Legal framework, Role of administration, Role of fisheries cooperative association, Distribution and processing of fishery product, System of fisheries education / 2. Collection of fish catch statistics, Resource diagnostic methods, Setting fisheries management goal, Methods of fisheries management, Conservation of fisheries environment, Stock enhancement and sea farming, Establishment and Improvement of fishing ground, Selective fishing gears and methods / 3. Case study of fisheries management, Measures taken by fishery administration, Measures taken by research institution, Measures taken by fishers, Measures taken by citizens / 4. Problem and objective analysis based on Project Cycle Management (PCM) method, Formulation of Practical implementing plans based on Action Plan formulated in 2009, Drawing Study Report, Presentation of Action Plan [Finalization Phase] Approve and implement the Action Plan back in the participant's country and report the situation as Progress Report.</p>	IMPLEMENTING PARTNER	INTEM Consulting, Inc.	
	JICA CENTER	JICA Yokohama	
	COOPERATION PERIOD	2009~2011	
	REMARKS and WEBSITE	This program will be held step-by-step in three years (2009-2011), so participants should be selected from same organization or relevant organizations for three years.	

Gender Main-streaming in Fishing Community Development 漁村開発におけるジェンダー主流化		PITD Trainers 1080976 Sector : Fisheries Sub-Sector : Rural Development in Fisheries	
		10 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>[Objective] Technique of establishment in small-scale business by co-partner participation of man and woman is understood in common in fishing village.</p> <p>[Outputs] 1. Participants understand the meaning of gender consideration, WID, GAD and participation in local business and can explain them to others. 2. Participants master the method of survey of small-scale business in fishing village and of its analysis from a viewpoint of gender consideration. 3. Participants master the technique and capacity development method and system required for higher income generation 4. Participants can make an appropriate plan of small-scale business from a viewpoint of gender consideration</p>	<p>[Target organization] Central or local government dealing with the planning and implementation of fishing community (including women) development</p> <p>[Target Group] • be an extension worker or officer of central or local government who are engaged in the development and promotion of the fishing villages. • have more than 3 years' experience in the field. • be a graduate of university • have a competent command of spoken and written English</p>		
CONTENTS	PROGRAM PERIOD	Jan / 23 / 2011 ~ Mar / 9 / 2011	
<p>[Output1] •Lecture:Basical theory of gender, Gender condition in Japan •Exercise :Gender and development, Analysis of gender society •Discussion:Presentation of support for development of fishing village</p> <p>[Output2] •Lecture:Woman's employment in Japanese fishing village, Example of est ablishment of business in fishing village •Exercise :Participatory development for community in fishing village •Study trip:Women's group activity, Small scale business in fishing village</p> <p>[Output3] •Lecture:Gender support and strategy by JICA & Japanese Government •Study trip:Woman's activity in fish market, Woman's role in fishing community •Practical training:Processed marine products, Business management •Discussion with fishery extesionist, women's group & Fishery university</p> <p>[Output4] •Exercise:Method and theory of FCM, Planning of action plan •Discussion:Recap the training content, Summarization of Study trip •Presentation:P/J plan of establishment for business in each country</p>	IMPLEMENTING PARTNER	Fisheries & Aquaculture International Co., LTD	
	JICA CENTER	JICA Yokohama	
	COOPERATION PERIOD	2010~2012	
	REMARKS and WEBSITE		

Planning for Fisheries Community Development 漁業コミュニティ開発計画		PITD Solution 1080852 Sector : Fisheries Sub-Sector : Rural Development in Fisheries	
		10 participants /	English
OBJECTIVE	TARGET ORGANIZATION / GROUP		
<p>[Objective] The possibility of the draft plan for fisheries community development will be studied, and the result of the study including a future policy will be decided by the fisheries administrative organization.</p> <p>[Expected Results] 1. To recognize and organize the issue of activities, programs and systems of fisheries community development. / 2. The participants can deepen the necessary knowledge to strengthen and cultivate fisheries community activities. / 3. To recognize and organize the issue of the proper programs and activities of fisheries community development for the income generation of fisher's households. / 4. To recognize and organize the issue of the proper programs and activities of coastal resource management and environmental conservation by the fisheries communities. / 5. To formulate a practical action plan through logical anaysis of issues of fisheries community development and the detail consideration of concrete measures. / 6. To implement the activities for fisheries community development by training participants on the basis of the framework of action plans formulated in the training course.</p>	<p>[Target Organization] Adminstrative organization or agency in charge of fishery community development</p> <p>[Target Group] < Position > Field Manager and field officer in charge of fisheries community development < Experience > Ten(10) years experience in fisheries sector</p>		
CONTENTS	PROGRAM PERIOD	Jul / 11 / 2010 ~ Sep / 30 / 2010	
<p>[Program in Japan]A series of lectures, observations and practices will be held according to each of the followings; 1. Situation of coastal fisheries in Japan, Policy and regulation of fisheries community development in national and local governmnet, Situation of fish product distribution and fish processing, Infrastructure development for fisheries communities, and etc. / 2. Society and culture in fishing communities, Organization, structure and management of fisheries cooperative association, , and etc. / 3. Income generation activities of fisheries cooperatives, Role of women in fishing communities, Economic management of fisher's households, Rural development in remote islands, and etc. / 4. Mechanizm of coastal resource management, Environment-friendly fishing gears and methods, and etc. / 5. Project Cycle Management, Problem and Objective analysis for own issues of fisheries community development, Formulation of practical action plans for fisheries community development, and etc. [Post-program acitivities (after participants' return)]The participants are expected to implement action plan and requested to report the progress as a final report.</p>	IMPLEMENTING PARTNER	IC Net Limited	
	JICA CENTER	JICA Yokohama	
	COOPERATION PERIOD	2009~2011	
REMARKS and WEBSITE	This program aims to accomplish the program objective in three (3) years. For the 1st year (2009), the target group will be the executives officers. The program period is subject to minor change.		

Sustainable Development of Fishing Community for French Speaking Central and West African Countries 仏語圏中西部アフリカ 持続的漁村開発		PRTD Solution 1084292
		Sector : Fisheries Sub-Sector : Rural Development in Fisheries
		5 participants / French
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>[Objective] Action plan on fisheries community development program is approved by the fisheries development government or agency .</p> <p>[Outputs] 1. To organize issues of fisheries community development at each stages of survey, planning, implementation and evaluation. (Preparatory phase in home country) 2. To understand the background & present situation of coastal fishery and approach of fishing community development 3. To understand the coastal fishery system managed under the collaboration of Fisheries Cooperative Association and Local Government 4. To understand the method of Participatory Planning, field study and Institutional Strengthening 5. To formulate the action plan based on the present situation of fishing community 6. To prepare to implement action plan by on-site workshop ([Finalization phase])</p>	<p>[Target Organization] Central or local government in charge of fisheries community development</p> <p>[Target Group] <Position> Field officers of fisheries department in charge of fisheries community development and its extension <Experience> 1. Five years experience in extension of fisheries community development 2. University graduates or the equivalent</p>	
CONTENTS	PROGRAM PERIOD	Oct / 17 / 2010 ~ Dec / 18 / 2010
<p>[Preparatory phase] Fisheries development agencies analyze current issues of fisheries community development, and prepare a report.</p> <p>[Program in Japan] Lecture, observation, practice and discussion on the followings; Overview of coastal fishery in Japan/ Fish-processing and distribution in Japan/ Income generation activities of women's group of fisheries cooperatives/ Environmental improvement activities of fishing grounds/ Fisheries cooperative system, role and operation/ Coastal Fisheries Management / Role of central and local government in coastal fishery management / Project Cycle Management/ Participatory Rural Appraisal/Institutional Development Organizational Strengthening/ Appreciated Planning and Action/ Country Report Presentation/ Problem and Objective Analysis/ Formulation of Action Plan</p> <p>[Post-program activities (After participants' return)] The participants are requested to conduct activities as follows, Presentation of action plan to Fisheries Department and JICA Office/ On-site workshop/ Submission of Progress report</p>	IMPLEMENTING PARTNER	IC Net Limited
	JICA CENTER	JICA Yokohama
	COOPERATION PERIOD	2009~2011
	REMARKS and WEBSITE	This program will be held step-by-step in three years (2009-2011), so participants should be selected from same organization or relevant organizations for three years.

Secure Sustainability of Coastal Fisheries Resources Through Diversification 多様化による沿岸水産資源の持続性確保		PRTD Solution 1084038
Target Countries: Countries in the Pacific region which have JICA Office		Sector : Fisheries Sub-Sector : Rural Development in Fisheries
		8 participants / English
OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>[Course Objective] The practical measures to the issues on sustainable management and utilization of coastal fisheries resources which enable the improvement of livelihoods will be established in respective countries.</p> <p>[Expected Module Output] (1) To acquire the knowledge about the relationship between diversification of coastal fisheries activities and sustainable utilization of coastal fisheries resources in Okinawa.(First year) (2) To acquire the knowledge and technique of PDCA (plan, do, check, act) cycle of the project.(First/Second year) (3) To discuss the possibilities and applicability of the case in Okinawa for the respective countries, with the consideration of the similarity and difference between Okinawa and PICs.(Second year) (4) To discuss the way of applying Japan / Okinawa case to respective country, and to make a concrete proposal. (Third year) (5) To implement the action plan, and analyze the progress and the result. (After the three year training)</p>	<p>[Target Organization] Senior officer of fishery department</p> <p>[Target Group] 1) Officials in managerial position 2) Experience in the relevant field: have more than five (5) years' practical experience in the field of coastal fishery management</p>	
CONTENTS	PROGRAM PERIOD	Sep / 21 / 2010 ~ Nov / 13 / 2010
<p><Activity in Preliminary Phase in home country> Formulating a Job Report describing the present situation of fisheries in the participants' countries, and participants' detailed work and roles of their organization.</p> <p><Activity in Core Phase in Japan> This program consists of lecture, field work, observation tour and discussion. (1) Case study of fishery resource management in Japan, Formulation of action plan (2) (First year) Problem analysis, Object analysis, Formulation of PDM, Practice at a model site / (Second year) Review of the first year training, Site visit and analysis of the factors of the success or failure in the past projects in fishery sector (3) Present situation of coastal resources and fishery sector in Pacific region, Field survey of fishing village in Pacific region, Discussion on the possibilities and constraints of application of Japans' case to Pacific region, Formulation of interim action plan (4) Plan, implement, analyze a small scale project at model site, Formulation of final action plan</p> <p><Activity in Finalization Phase in home country> Share and discuss, modify the action plan in respective organizations</p>	IMPLEMENTING PARTNER	Non-Profit Organization Okinawa Environment Club
	JICA CENTER	JICA Okinawa
	COOPERATION PERIOD	2009~2011
	REMARKS and WEBSITE	(1) This program will accept the same participants for three consecutive years, in order to solve the problem from a long-term point of view. (2) This program expect to promote the information sharing network among the area, and the connection between related organizations.

Target Countries: Countries which have a sea or inland water

8 participants / English

OBJECTIVE	TARGET ORGANIZATION / GROUP	
<p>【Course Objectives】 Participants improve the techniques and deepen the knowledge relevant to hygienic handling of aquaculture products and prevention of fish disease.</p> <p>【Expected Outputs】 (1) The present conditions and problems on aquaculture in the participant's home country are clearly mentioned in the Inception Report (2) The participant is able to explain the concepts and the techniques of the hygienic handling of aquaculture products (3) The participant is able to explain the concepts and the techniques of the diagnosis and prevention of cultured fish disease (4) A problem-solving plan on aquaculture (Strategy Plan) in the participants home country is suggested from the aspects of hygienic handling or preventive measures of fish disease</p>	<p>【Target Organizations】 National or regional governments in charge of promoting aquaculture, fish processing and distribution</p> <p>【Target Group】 (1) Administrators in charge of promoting aquaculture, fish processing and distribution for at least 5 years</p>	
<p>CONTENTS</p>	<p>PROGRAM PERIOD</p>	<p>Aug / 31 / 2010 ~ Nov / 6 / 2010</p>
<p>(1) Implementation of Inception Report Presentation (Presentation and Discussion) (2) Technique of Hygienic Handling of Aquacultured Products (Lecture and Practice) (3) Preventive Measures of Fish Disease (Lecture and Practice) (4) Drafting and presentation of a Problem-solving Plan (Strategy Plan)</p>	<p>IMPLEMENTING PARTNER</p>	<p>National Fisheries University</p>
	<p>JICA CENTER</p>	<p>JICA Chugoku</p>
<p>* Besides the classes mentioned above, the lecture by National Fishery Agency and visits to fish-farmers and a wholesale market is scheduled as a study tour. * Participants are provided with 2-day individual training on the subject of personal interest by choosing from the curriculum, so that they can deepen their understanding on it. * Although the training includes the contents of freshwater aquaculture, the main contents of the training is marine aquaculture.</p>	<p>COOPERATION PERIOD</p>	<p>2006~2010</p>
	<p>REMARKS and WEBSITE</p>	<p>* Since the participants are expected to have appropriate knowledge about Fish Disease Prevention to get training of content (3), the participants should be carefully selected in the selection process. * Web site: http://www.fish-u.ac.jp/e-index.html</p>