



Knowledge Co-Creation Program (Group & Region Focus)

GENERAL INFORMATION ON

COASTAL FISHING TECHNIQUE
FOR SUSTAINABLE RESOURCE USE

課題別研修「持続可能な沿岸漁業」

JFY 2015

NO. J15-04189 ID. 1584754

Course Period in Japan: From March 7, 2016 to June 19, 2016

This information pertains to one of the JICA Knowledge Co-Creation Program (Group & Region Focus) of the Japan International Cooperation Agency (JICA), which shall be implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both Governments.

‘JICA Knowledge Co-Creation (KCC) Program’ as a New Start

In the Development Cooperation Charter which was released from the Japanese Cabinet on February 2015, it is clearly pointed out that *“In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field-oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn from each other and grow and develop together.”* We believe that this ‘Knowledge Co-Creation Program’ will serve as a center of mutual learning process.

I. Concept

Background

Small-scale coastal fishing by subsistence fishermen accounts for the majority of fishing in many developing countries. Given the current depletion of resources, it is becoming increasingly important to promote more sustainable and efficient fishing in these countries. In reality, however, fishery promoters, mid-level fishery technical officials, and administrative officials in developing countries have received little comprehensive education about fishery science or the fishing industry. This means that many of these people have a lack in the basic knowledge required to effectively carry out their duties, such as communicating fishery policies to fishermen, assisting the establishment of fishery policies, providing support and advice to fishermen about their participation in various programs, and participating in trial operations of newly-introduced fishing equipment.

In response to the need to develop human resources who can contribute to the sustainable development, promotion and improvement of coastal fishing in these countries from a comprehensive point of view, this training program has been set up to introduce participants to the fishing techniques and best practices of Japanese coastal fishery and to learn the effective fishery management models used in the major types of fishing.

For what?

This program aims that participants formulate project plans which are feasible and directly related to the problems at the participants' work site, based on project planning skills and basic knowledge related to coastal fishing technique acquired in the training program.

For whom?

This program is offered to public organizations involved in research and development concerning the improvement of fishing equipment and methods, or the promotion of coastal fishing.

How?

Participants are required to submit the Job Report which describes tasks and problems of their organizations and themselves. After arriving to Japan, participants will share the Job Report by presentation with other participants and lecturers in the training institution. During the program in Japan, participants will have opportunity to learn 1) basics of aquatic resource biology and fishery management based on Code of Conduct for Responsible Fisheries, 2) To learn fundamentals of gear constructions and characteristics of fish catch on costal fisheries, and to learn how to use through practices, 3) To learn the regional approaches for the promotion of compliance with fishery regulations and appropriate fishing management, 4) To formulate a improvement plan for solving problems on sustainable coastal fishery. At the end of the

program, participants will have presentation of the Improvement Plan which introduces the project which is going to be implemented in the participant's respective countries after the training program.

II. Description

1. Title (J-No.): Coastal Fishing Technique for Sustainable Resource Use (J1504189)

2. Course Period in Japan

March 7 to June 19, 2016

3. Target Regions or Countries

Cote d'Ivoire, Fiji, Gambia, Maldives, Peru, Senegal, Timor-Leste, and Tunisia

4. Eligible / Target Organization

Public organizations involved in research and development concerning the improvement of fishing equipment and methods, or the promotion of coastal fishing

5. Course Capacity (Upper limit of Participants)

8 participants

6. Language to be used in this Course: English

7. Course Objective

This program aims that participants formulate project plans which are feasible and directly related to the problems at the participants' work site, based on project planning skills and basic knowledge related to coastal fishing technique acquired in training program.

8. Overall Goal

Participants contribute to sustainable development, promotion, and improvement of coastal fishing based on project plan in participants' countries.

9. Expected Module Output and Contents

This program consists of the following components. Details on each component are given below:

(1) Preliminary Phase in a participant's home country <i>Participating organizations make required preparation for the Program in the respective country.</i>	
Expected Module Output	Activities
Submission of Job Report in Power Point format	Formulation of Job Report as instructed in ANNEX-I and Power Point File for Presentation of Job Report.

(2) Core Phase in Japan (March 7, 2016 to June 19, 2016)*Participants dispatched by the organizations attend the Program implemented in Japan.*

Expected Module Output	Subject	Methodology
(1) To learn basics of aquatic resource biology and fishery management based on Code of Conduct for Responsible Fisheries	1.Introduction to Fishing Technology	Lecture
	2.Code of Conduct for Responsible Fishery	Lecture
	3.Introduction to Aquaculture	Lecture
	4.Fisheries Resource Biology	Lecture
	5.Ichthyology	Lecture
	6.Introduction to Fisheries and Management in Japan	Lecture
	7.Gillnet Fishery	Lecture
	8.Set-net Fishery	Lecture
	9.Pot Fishery	Lecture
	10.Introduction to Fisheries Oceanography	Lecture
	Study Trip	Observation
2) To learn fundamentals of gear constructions and characteristics of fish catch on costal fisheries, and to learn how to use through practices	Prac. Module-1 (Structure and operation of trawl)	Practice
	Prac. Module-2 (Trap net setting and management)	Practice
	Prac. Module-3 (Practice for fishery)	Practice
	Prac. Module4 (Measuring in Fishing Technology)	Practice
	1. Introduction to Designing Fishing Gear	Lecture
	2. Long line Fishery	Lecture
	3. Set-net Fishery	Lecture
	4. Pot Fishery	Lecture
	5. Gillnet Fishery	Lecture
	6. Small-Scale Purse Seine Fishing	Lecture
	7. Fishing Machinery	Lecture
	8. Introduction to Fishing vessels	Lecture
	9. Introduction to Electronic Devices for Fishing	Lecture
	10. Hydro-acoustics and fishing detection devices	Lecture
	11. Sensory and Behavior of Aquatic Animals	Lecture
(3)To learn the regional approaches for the promotion of compliance	1.Fishermen Cooperative	Lecture
	2.Fish Marketing in Japan	Lecture
	3.Fisheries Management and	Lecture

with fishery regulations and appropriate fishing management.	Development Initiatives by Local Government	
	4.Introduction to Fisheries and Management in Japan	Lecture
	5.Post-harvest Treatment and Seafood Safety	Lecture
	6.Comunity based development	Lecture
	7.Study Trip	Observation
(4) To formulate a improvement plan for solving problems on sustainable coastal fishery	1.PCM Method for Project Formulation	Lecture
	2.Study report guidance/project planning	Lecture
	3.Technical Management of Capture Fisheries (Selectivity of fishing gear)	Lecture
	4.Gillnet Fishery	Lecture
	5.Introduction to Data Utilization	Lecture

(3)Finalization Phase in a participant's home country

Participating organizations produce Final Report by making use of results brought back by participants. This phase marks the end of the Program.

Expected Module Output	Activities
To implement the Action Plan	Sharing and approval of Action Plan back in the participant's country.

III. Conditions and Procedures for Application

1. Expectations from the Participating Organizations

- (1) This program is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Participating organizations are expected to use the project for those specific purposes.
- (2) This program is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the project to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.
- (3) As this program is designed to facilitate organizations to come up with concrete solutions for their issues, participating organizations are expected to make the best use of the results achieved by their participants in Japan by carrying out the activities of the Finalization Phase described in section **II-9**.
- (4) If there are more than one qualified candidate, the applying organizations are recommended to nominate both male and female.

2. Nominee Qualifications

Applying Organizations are expected to select nominees who meet the following qualifications.

(1) Essential Qualifications

1) Current Duties:

- be in charge of research and development in fishing gear and methods improvement or of fisheries extension, and be expected to back to the same fields

2) Experience in the relevant field: have more than 3 years' experience in the field mentioned above 1).

3) Educational Background: be a graduate of university or equivalent level.

4) Language: have a competent command of spoken and written English

6) Health: must be in good health, both physically and mentally, to participate in the Program in Japan

7) Must not be serving any form of military service.

(2) Recommendable Qualifications

Age: be under 40 years of age.

3. Required Documents for Application

(1) Application Form: The Application Form is available at the JICA office (or the Embassy of Japan).

***Pregnancy**

Pregnant participants are strictly requested to attach the following documents in order to minimize the risk for their health.

- 1) letter of the participant's consent to bear economic and physical risks
- 2) letter of consent from the participant's supervisor
- 3) doctor's letter with permission of her training participation.

Please ask JICA Staff for the details.

(2) Photocopy of passport: to be submitted with the application form, if you possess your passport which you will carry when entering Japan for this program. If not, you are requested to submit its photocopy as soon as you obtain it.

*Photocopy should include the followings:

Name, Date of birth, Nationality, Sex, Passport number and Expire date.

(3) Nominee's English Score Sheet: to be submitted with the application form. If you have any official documentation of English ability. (e.g., TOEFL, TOEIC, IELTS)

(4) Job Report (Annex): to be submitted with the Application Form. Application Form without the Job Report cannot be accepted.

4. Procedures for Application and Selection

(1) Submitting the Application Documents

Closing date for application to the JICA Center in JAPAN: **January 15, 2016.**

Note: Please confirm the closing date set by the respective country's JICA office or Embassy of Japan of your country to meet the final date in Japan.

(2) Selection

After receiving the documents through proper channels from your government, the JICA office (or the embassy of Japan) will conduct screenings, and then forward the documents to the JICA Center in Japan. Selection will be made by the JICA Center in consultation with concerned organizations in Japan. *The applying organization with the best intention to utilize the opportunity of this program will be highly valued in the selection.*

(3) Notice of Acceptance

Notification of results shall be made by the respective country's JICA office (or Embassy of Japan) to the respective Government by **not later than February 5, 2016.**

5. Conditions for Attendance

- (1)** to strictly adhere to the program schedule.
- (2)** not to change the program topics.
- (3)** not to extend the period of stay in Japan.
- (4)** not to be accompanied by family members during the program.
- (5)** to return to home countries at the end of the program in accordance with the travel schedule designated by JICA.
- (6)** to refrain from engaging in any political activities, or any form of employment for profit or gain.
- (7)** to observe Japanese laws and ordinances. If there is any violation of said laws and ordinances, participants may be required to return part or all of the training expenditure depending on the severity of said violation.
- (8)** to observe the rules and regulations of the accommodation and not to change the accommodation designated by JICA.
- (9)** to participate the whole program including a preparatory phase prior to the program in Japan. Applying organizations, after receiving notice of acceptance for their nominees, are expected to carry out the actions described in section ***II-9*** and section ***III-5***.

IV. Administrative Arrangements

1. Organizer

(1) Name: JICA Kyushu International Center (KIC)

(2) Contact: kicctp@jica.go.jp

2. Implementing Partner

(1) Name: Kagoshima University Faculty of Fisheries

3. Travel to Japan

(1) Air Ticket: The cost of a round-trip ticket between an international airport designated by JICA and Japan will be borne by JICA.

(2) Travel Insurance: Coverage is from time of arrival up to departure in Japan. Thus traveling time outside Japan will not be covered.

4. Accommodation in Japan

JICA will arrange the following accommodations for the participants in Japan.

[KITAKYUSHU]

JICA Kyushu International Center (JICA KYUSHU / KIC)

Address: 2-2-1 Hirano, Yahata Higashi-ku, Kitakyushu-shi, Fukuoka, Japan

TEL: +81-93-671-6311 FAX: +81-93-671-0979

If there is no vacancy at JICA Center, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of KIC/TIC at its URL, <http://www.jica.go.jp/english/contact/domestic/index.html>

*During the training period in Kagoshima University, participants will stay at a dormitory or a hotel.

5. Expenses

The following expenses will be provided for the participants by JICA:

- (1)** Allowances for accommodation, meals, living expenses, outfit, and shipping
- (2)** Expenses for study tours (basically in the form of train tickets.)
- (3)** Free medical care for participants who become ill after arriving in Japan (costs related to pre-existing illness, pregnancy, or dental treatment are not included)
- (4)** Expenses for program implementation, including materials
- (5)** For more details, please see “III. ALLOWANCES” of the brochure for participants titled “KENSU-IN GUIDE BOOK,” which will be given before departure for Japan.

6. Pre-departure Orientation

A pre-departure orientation will be held at the respective country's JICA office (or Japanese Embassy), to provide participants with details on travel to Japan, conditions of the workshop, and other matters.

V. Other Information

1. Reports Presentation

(1) Job Report

As written in the previous page, each applicant is required to submit his/ her own Job Report with Application Form. Accepted participants will have a presentation on his/ her Job Report at the earlier stage of the training course in order to share information on gender issue with other participants as well as instructors.

(2) Action Plan

Accepted participants will have a presentation of his/her Action Plan at the end of the training course. Action plan is to express your idea and plan, which you will carry out after your return, reflecting the knowledge and method you acquired from the training. Participants are highly recommended to have prior discussions within office and prepare for the theme and the content of his/her Action Plan.

(3) Progress Report

Participants are required to write an implementation status report on his/her own Action Plan and submit it as his/her Progress Report to respective JICA overseas Offices within 3 months after returning to home countries. Please refer to Annex for the format.

2. Remarks

JICA training is implemented for the purpose of development of human resources who will promote the advancement of the countries, but not for the enrichment of individuals or private companies. Matters of a trade secret and patent techniques will remain confidential and inaccessible during the training.

3. Othres

- Please bring a Lap-top computer with you.
- Microsoft Word, Excel, PowerPoint is going to be used during the training.
- Laptops with Wireless LAN are preferable if you need to use internet.
- If you don't have a Lap-top, rental Lap-top with Microsoft Word, Excel and PowerPoint is available. It is forbidden to download any additional software to rental one. Please be noted that you are asked to handle it with your own responsibility.

ANNEX:

Detailed Information on Job Report and Study Report toward Project Planning

(1) Objective of Job Report

This training program provides participants with the opportunity for solving real world problems, emphasizing the rational design and preparation for project planning by the participants. Job Report is the starting step of this work and it needs detailed preparation.

Job Report is supposed to be prepared in participants' home countries prior to departure for Japan. It is the basis of project planning and required to cover the following items.

- * Introduction including general back ground information and brief overview of the fisheries sector in the home country
- * Problems/constraints in coastal fisheries management and/or institutions of the participants
- * Reasons to have provoked the problems/constraints discussed above

(2) Job Report Format

Kindly understand that this is NOT Country Report but Job Report which asks to describe your own JOB and problems you are facing.

1) Introduction

Name

Country

Overview of the fisheries sector

Organization the participant belongs to

(Structure, number of staffs, main function, main facilities and equipment, etc.)

Outline of the small scale fisheries sub-sector that the participant's organization is responsible for

Detailed explanation of present job of the participant

2) Problems and constrains that the participant is actually facing (within 500 words)

Describe the technical, social, legal, institutional problems/constrains in development of small-scale fisheries at a site in the participant's country requiring interventions. (An actual example of small area of a village or island is most welcome.)

Photos (of fishing village, fishermen, their catch, fishing boat, fishing gear, fish market, fishing port etc.) and maps can be included to illustrate the magnitude of the problems.

3) Your expectation for this training program (within 300 words)

Describe what participants expect for this training program, connecting with problems and constraints you are facing. Explain which subject you are interested in, and how you apply the knowledge or skills from that subject to your case.

4) Fisheries sector background information

5) Attachment

The report should be attached with the following materials.

- * Photos and maps to help explaining the situation (these will be used in your audiovisual presentation)
- * Relevant documents such as statistics, development plan, sector review, donor's project documents

(3) Project Planning

The project should be directly related to the problems at the participant's work site and realistic in scale, so that the plan can be mainly implemented by your staff and budget available. It should be relevant to prevailing conditions in the participant's country and evolutionary rather than revolutionary in nature, considering feasibility. Consultation with your colleagues and supervisors will be the key to assure the relevance of the plan.

The below shows the steps followed by participants to create the outputs during the training program.

PCM (Project Cycle Management) workshop

To review the problems and their reasons described in Job Report and rebuild it in a logical way by problems analysis, objectives analysis and alternative analysis

Study Report on project plan

To formulate a project plan by the methodologies of project design matrix/logical framework. The plan is written up as Study Report. The participants will need to spend at least 30 – 50 hours of their private study time to complete Study Report.

Inputs from the training program

To refine the project idea based on information and knowledge gained from the lectures, case studies, and observations

Upgrading the computer skills for preparation and presentation of the report

Computer software such as Microsoft Word, Excel, and PowerPoint are used for the preparation and presentation of the report. Participants will have a class to upgrade their skills.

Presentation of project plan

Without an effective presentation, any plan, even though it may be excellent, may

not be materialized. Study Report presentation is arranged at the final part of the program. Participants will be required to make 30-minute audio-visual presentation and to answer technical questions that are raised in an open forum with other participants, course leader, invited commentators and JICA staff members. The report will be edited and prepared into workshop proceedings.

Follow up

The project plan is expected to be presented and submitted in the participant's home country. It is considered as containing important knowledge and information for the potential development of new projects and may be developed into a project proposal as the basis of our future cooperation.

For Your Reference

JICA and Capacity Development

The key concept underpinning JICA operations since its establishment in 1974 has been the conviction that “capacity development” is central to the socioeconomic development of any country, regardless of the specific operational scheme one may be undertaking, i.e. expert assignments, development projects, development study projects, training programs, JOCV programs, etc.

Within this wide range of programs, Training Programs have long occupied an important place in JICA operations. Conducted in Japan, they provide partner countries with opportunities to acquire practical knowledge accumulated in Japanese society. Participants dispatched by partner countries might find useful knowledge and re-create their own knowledge for enhancement of their own capacity or that of the organization and society to which they belong.

About 460 pre-organized programs cover a wide range of professional fields, ranging from education, health, infrastructure, energy, trade and finance, to agriculture, rural development, gender mainstreaming, and environmental protection. A variety of programs are being customized to address the specific needs of different target organizations, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

Japanese Development Experience

Japan was the first non-Western country to successfully modernize its society and industrialize its economy. At the core of this process, which started more than 140 years ago, was the “*adopt and adapt*” concept by which a wide range of appropriate skills and knowledge have been imported from developed countries; these skills and knowledge have been adapted and/or improved using local skills, knowledge and initiatives. They finally became internalized in Japanese society to suit its local needs and conditions.

From engineering technology to production management methods, most of the know-how that has enabled Japan to become what it is today has emanated from this “*adoption and adaptation*” process, which, of course, has been accompanied by countless failures and errors behind the success stories. We presume that such experiences, both successful and unsuccessful, will be useful to our partners who are trying to address the challenges currently faced by developing countries.

However, it is rather challenging to share with our partners this whole body of Japan’s developmental experience. This difficulty has to do, in part, with the challenge of explaining a body of “tacit knowledge,” a type of knowledge that cannot fully be expressed in words or numbers. Adding to this difficulty are the social and cultural systems of Japan that vastly differ from those of other Western industrialized countries, and hence still remain unfamiliar to many partner countries. Simply stated, coming to Japan might be one way of overcoming such a cultural gap.

JICA, therefore, would like to invite as many leaders of partner countries as possible to come and visit us, to mingle with the Japanese people, and witness the advantages as well as the disadvantages of Japanese systems, so that integration of their findings might help them reach their developmental objectives.



CORRESPONDENCE

For enquiries and further information, please contact the JICA office or the Embassy of Japan. Further, address correspondence to:

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805-8505, Japan

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