



TRAINING AND DIALOGUE PROGRAMS

GENERAL INFORMATION ON

MYCOTOXIN INSPECTION FOR FOOD SAFETY 集団研修「食品安全のためのマイコトキシン検査技術」 *JFY 2010*

<Type: Trainers Training Program / 類型:人材育成普及型>

NO. J10-00675 / ID.1080001

From December 2010 to July 2011

Phase in Japan: From Jan. 31, 2011 to Apr. 23, 2011

This information pertains to one of the Training and Dialogue Programs 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.

I. Concept

Background

Since mycotoxins are the most serious contaminants in food, strict standards have been established internationally. However, the insufficient inspection techniques have caused the trade stagnation of agricultural produce especially from developing countries. This program was inaugurated with the aim of enabling participants to learn the methodology and technology for the analysis and control of mycotoxins.

This program is designed to ensure capacity development of food inspection organizations. After the completion of the program, participants are expected to acquire and diffuse knowledge and techniques related to analysis and control of mycotoxins, resulting in realizing the distribution of safe foods in domestic markets and the smooth trade of foods.

For what?

This program aims to enable participants to apply the most feasible approach for distributing safe foods, with acquired expertise on analysis and control of mycotoxins.

For whom?

This program is offered to governmental and non-governmental organizations in the field of food inspection.

How?

Participants shall have opportunities to learn various techniques for mycotoxin examination of foods through lectures, lab practices and observation. Participants will formulate an action for diffusing the acquired knowledge and techniques in the organization they belong to.

II. Description

- 1. Title (J-No.): Mycotoxin Inspection for Food Safety (J10-00675)**

- 2. Period of program:**

Duration of whole program:	December 2010 to July 2011
Preliminary Phase: (in a participant's home country)	December 2010 to January 2011
Core Phase in Japan:	January 31 to April 23, 2011
Finalization Phase: (in a participant's home country)	April 24, 2011 to July 31, 2011

- 3. Target Regions or Countries:**
Argentina, Brazil, Burkina Faso, Chile, Mongolia, Sri Lanka and Thailand

- 4. Eligible / Target Organization:**
This program is designed for governmental and non-governmental organizations in the field of food inspection.

- 5. Total Number of Participants:**
7 participants

- 6. Language to be used in this program:** English

- 7. Program Objective:**
A draft plan to diffuse or improve techniques and knowledge for mycotoxin inspection will be formulated and authorized by food inspection organization.

- 8. Overall Goal:**
Mycotoxin inspection and control capabilities of participating countries will be strengthened.

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 (December 2010 to January 2011) <i>Participating organizations make required preparation for the Program in the respective country.</i>	
Expected Module Output	Activities
Inception Report	Submitting of Inception Report and preparation for the presentation session

(2) Core Phase in Japan (January 31, 2011 to April 23, 2011) <i>Participants dispatched by the organizations attend the Program implemented in Japan.</i>		
Expected Module Output	Subjects/Agendas	Methodology
Output 1 To acquire and apply the methodology and technology for mycotoxin analysis	(1) Aflatoxin contamination (2) Ochratoxin contamination (3) Toxigenic <i>Fusarium</i> species and their mycotoxins (4) Sampling plans for mycotoxin (5) Mycotoxin analysis - chemical analysis - immunochemical analysis	Lecture and Lab Practice
Output 2 To be able to explain about control and management of fungi and mycotoxins	(1) General view of mycotoxins and its international trend (2) Prevention and control of mycotoxins (3) Risk assessment on mycotoxins (4) Isolation of fungi (5) Identification of mycotoxin producing fungi	Lecture and Lab Practice
Output 3 To formulate an action plan for disseminating the most feasible knowledge and technology for each country	(1) Inception report presentation (2) Mid term report presentation (3) Action plan formulation workshop and guidance (4) Sharing ex-participant's experience on action plan	Consultation and Presentation

(3) Finalization Phase in a participant's home country <i>Participating organizations produce final outputs by making use of results brought back by participants. This phase marks the end of the Program.</i>	
Expected Module Output	Activities
To submit progress report on action plan	Submitting the action plan (interim report) back in the participant's country and reporting to JICA on its progress by July 31, 2011.

<Structure of the program>

1. Preliminary phase (activities in your home country): Preparation for the presentation of inception report.

2. Core phase (activities in Japan):

Topic outline (subject to minor changes)

1st month (1/31-2/28) Lectures

- (1) JICA briefing and general orientation
- (2) Intensive Japanese Language class (evening class)
- (3) Presentation session on inception report
- (4) Course orientation / General view of mycotoxins and its international trend
- (5) Food surveillance system for imported/exported food
- (6) Analysis of mycotoxins
- (7) Single Lab Validation of Analytical Methods for Dietary Supplements
- (8) Visit - Japan Food Research Laboratories, etc.
- (9) Action Plan Formulation Workshop

2nd month (3/1-3/31) Lab practices

- (1) Analysis of fusarium toxins
- (2) Analysis of aflatoxins by chemical and immunochemical methods
- (3) Analysis of ochratoxin A by chemical and immunochemical methods
- (4) Analysis of patulin
- (5) Analysis of mycotoxins by LC/MS
- (6) Mid-term report session, ex-participant's experience on action plan, etc.

3rd month (4/1-4/23) Lab practices and observations

- (1) Analysis of fumonisin
- (2) Isolation and identification of fungi
- (3) Molecular detection of fungi
- (4) Visit – Mycotoxin Inspection Association, Japan Grain Inspection Association, National Institute of Health Science, etc. during Tokyo Study Trip
- (5) Visit – Nuts producing factory, butter producing factory, confectionary factory, etc.
- (6) Presentation of action plan (interim report), evaluation, and closing ceremony

3. Finalization phase (activities in home country)

Participants are expected to submit the action plan (interim report) back in the participant's country and to report to JICA on its progress by July 2011.

10. Follow-up Cooperation by JICA:

In this program, JICA might extend follow-up support to participating organizations that intend to develop the result of the project further. Please note that the support shall be extended selectively based on proposals from the participating organizations.

III. Conditions and Procedures for Application

1. Expectations for 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 due preparation before dispatching their participants to Japan by carrying out the activities of the Preliminary Phase described in section II -9 .
- (4) Participating organizations are also 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.

2. Nominee Qualifications:

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

(1) Essential Qualifications

- 1) Current Duties: be a technical officer or inspector who are presently engaged in food inspection
- 2) Experience in the relevant field: have more than 3 years' experience in the field of food inspection and are to staying in the same field after the completion of this program
- 3) Educational Background: be a graduate of university or equivalent
- 4) Language: have a competent command of spoken and written English which is equal to TOEFL CBT 250 or more. (Please attach an official certificate for English ability such as TOEFL, TOEIC etc, if possible)
- 5) Health: must be in good health, both physically and mentally, to participate in the Program in Japan

※ Pregnancy :

Pregnant participants are strictly requested to complete the required procedures before departure in order to minimize the risk for their health. The procedures include ① letter of the participant's consent to bear economic and physical risks ② letter of consent from the participant's supervisor ③ letter of consent from your Embassy in Japan, ④ medical certificate. Please ask National Staffs in JICA office for the details.

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

(2) Recommendable Qualifications

- 1) Expectations for the Participants:
- 2) Age: be under thirty five (35) years

3. Required Documents for Application

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

(2) 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), please attach it (or a copy) to the application form.

(3) Inception Report: to be submitted with the application form. Fill in Annex of this General Information, and submit it along with the Nomination Form.

4. Procedure for Application and Selection :

(1) Submitting the Application Documents:

Closing date for application to the JICA Center in JAPAN: **November 30, 2010**

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 document(s) through due administrative procedures in the respective government, the respective country's JICA office (or Japanese Embassy) shall conduct screenings, and send the documents to the JICA Center in charge in Japan, which organizes this project. Selection shall be made by the JICA Center in consultation with the organizations concerned in Japan based on submitted documents according to qualifications. *The organization with 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 December 25, 2010.**

5. Document(s) to be submitted by accepted participants:

None

6. Conditions for Attendance:

- (1) to observe the schedule of the program,
- (2) not to change the program subjects or extend the period of stay in Japan,
- (3) not to bring any members of their family,
- (4) to return to their home countries at the end of the program in Japan according to the travel schedule designated by JICA,
- (5) to refrain from engaging in political activities, or any form of employment for profit or gain,
- (6) to observe the rules and regulations of their place of accommodation and not to change the accommodation designated by JICA, and
- (7) 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 -4.

IV. Administrative Arrangements

1. Organizer:

(1) **Name:** JICA Hyogo

(2) **Contact:** jicahic-kenshukakuju1@jica.go.jp

2. Implementing Partner:

(1) **Name:** Kobe Institute of Health, Nagoya City Public Health Research Institute etc.

(2) **Remark:** This program is implemented by JICE (Japan International Cooperation Center) with the collaboration of above mentioned governmental inspection organizations.

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:** Term of Insurance: From arrival to departure in Japan. The traveling time outside Japan shall not be covered.

4. Accommodation in Japan:

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

JICA Hyogo International Center (JICA HYOGO)

Address: 1-5-2, Wakinohama-kaigandori, Chuo-ku, Kobe, Hyogo 651-0073, Japan

TEL: 81-78-261-0341 FAX: 81-78-261-0342

(where "81" is the country code for Japan, and "78" is the local area code)

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

5. Expenses:

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

(1) Allowances for accommodation, 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

For more details, please see p. 9-16 of the brochure for participants titled "KENSU-IN GUIDE BOOK," which will be given to the selected participants before (or at the time of) the pre-departure orientation.

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. Participants who have successfully completed the seminar will be awarded a certificate by JICA.
2. For the promotion of mutual friendship, Hyogo International Center encourages international exchange between JICA participants and local communities, including school and university students as a part of development education program. JICA participants are expected to contribute by attending such activities and will possibly be asked to make presentations on the society, economy and culture of their home country.
3. There is a computer room in JICA Hyogo where sixteen desk-top computers have the internet access. Each guest room also has the access by LAN cable. It is advisable to bring lap top computer in order to avoid congestions.

VI. ANNEX:

Mycotoxin Inspection for Food Safety

(JFY 2010)

Inception Report

Participants are requested to prepare an Inception report on the following issues and submit it to JICA or the Japan International Cooperation Center with the nomination form. The report should be typewritten in English on A4 size paper (21 cm x 29.5 cm) in single spacing of 10 to 20 pages in font size 11pt or 12pt.

NOTE: Participants in this program are requested to discuss their report for 30 minutes prior to entering the main program.

Name and country of participant:

Position:

Name of organization and its chart:

(Mark the division the participant belongs to)

1. **Organization and systems related to food control and inspection**
2. **The participant's own detailed experience (specific field) on food control and inspection, especially in mycotoxin control**
3. **Information such as publications/reports/others on mycotoxin contamination in food and feed in participant's country**
4. **Limits, regulation and official analytical methods of mycotoxins in food and feed in the participant's country**

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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