



# **【Online】 Knowledge Co-Creation Program (Group & Region Focus)**

## **GENERAL INFORMATION ON**

### **Leader Development Program for “Food Value Chain” on Private-Public-Academia Collaboration**

**課題別研修「産官学連携による「フードバリューチェーン」リーダー育成」  
JFY 2022**

**Course No.: 202107815J001**

**Online Program Period: From October 31, 2022 to November 18, 2022**

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

#### **JICA Knowledge Co-Creation Program (KCCP)**

The Japanese Cabinet released the Development Cooperation Charter in February 2015, which stated, *“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.”* JICA believes that this ‘Knowledge Co-Creation Program’ will serve as a foundation of mutual learning process.

# **I. Concept**

## **Background**

Food Value Chain (FVC) strengthening is one of the basic strategies in the field of agricultural and rural development, and it requires human resource development related to FVC for both quality and quantity in each country. Furthermore, leader development is an urgent matter. This program trains the future leaders from each country where FVC strengthening is active. To have a powerful influence as a leader in private, public, and academic sectors, one should be backed by academic knowledge. Thus, this program is aimed at those who wish to study at a Japanese university (Doctoral or Master's course) in the near future and is adapted a component including collaboration with the international student program.

Therefore, it will provide the opportunity not only to enhance the knowledge and experience of FVC but also to match participants with universities.

\*Please note that the long-term scholarship in Japan is on a non-committal basis as it depends on the matching between the participants and the Japanese universities.

(Reference: Annex 2-1)

## **For what?**

This program aims to enhance the knowledge of each process of FVC, such as food production, processing, distribution and consumption, food safety initiatives, and the roles played by private, public, and academic sectors to build and promote FVC.

## **For whom?**

This program is offered to the public administrative and research sector and private organization which has the role and mandate related to any process of FVC and rural development.

## **How?**

Participants are required to submit a research interest report which addresses issues and problems related to the tasks of their organizations.

During the program, participants will have the opportunity to learn the outline and system of FVC by central and local governments in Japan and specific examples of the fields of production, processing, distribution, sales, etc., through lectures, inspection, and discussion. At the end of the program, participants are required to revise the report through consultation with professors.

## ***II. Description***

### **1. Title (Course No.)**

Leader Development Program for “Food Value Chain” on Private-Public-Academia Collaboration (202107815J001)

### **2. Course Period(Online Program Period)**

From October 31 to November 18, 2022

\*Live session: (Japan Standard Time) 2:50pm – 6:10pm

### **3. Target Regions or Countries**

Brazil, Cambodia, Philippines, Thailand, and Viet Nam

### **4. Eligible / Target Organization**

Governmental organizations, research institutions, or related organizations in the private sector are responsible for FVC (production, processing, post-harvest, distribution, and sales of agricultural products), rural development or plant protection

### **5. Course Capacity (Upper limit of Participants)**

6 participants

### **6. Language to be used in this program**

English

### **7. Course Objective**

(1) To understand the roles of the private, public, and academic sectors in FVC through lectures and inspections.

(2) To revise the Research Interests for solving the issues related to FVC promotion in the participant’s own country.

### **8. Overall Goal**

The knowledge to promote FVC on Private-Public-Academia collaboration in each country is acquired, and the ability to consider the strategy with an academic view is strengthened through understanding the process of food production, processing, distribution, and consumption processes in Japan and food safety initiatives and the roles played by each Private, Public and Academia sectors.

## 9. Expected Module Output and Contents:

<b>(1) Preliminary Phase</b>	
Expected Module Output	Activities
1) Country Report 2) Research Interests 3) Laboratories that you are interested in	Formulation and submission (Annex 1-1, 1-2, 1-3)
4) Watching the video “Agriculture Development in Japan” on JICA YouTube Channel	

<b>(2) Core Phase</b>		
This program consists of the following components. Details on each component are given below:		
Expected Module Output	Subjects	Methodology
(1) to understand the roles of the private, public, and academic sectors in FVC through lectures and Inspections.	(1) Outline of Japanese agriculture (2) Outline of Food Value Chain (FVC) (3) Roles and measures of the central government in Japan to strengthen FVC (4) Introduction of JICA’s projects related to FVC (5) Food marketing & branding (6) Smart agriculture and farming management (7) Post-harvest treatment and food processing (8) Transportation infrastructure and quality management (9) Ensuring Safety at each stage of FVC (10) Activities of the farmer, producer, private sector, local government, etc.	Lecture Discussion
(2) to revise the Research Interests for solving the issues related to FVC promotion in the participant’s own country	(11) Individual consultation with the professor about the Research Interests (12) Revising the Research Interests and presentation	Lecture Discussion Presentation

\* The curriculum may be subject to minor changes.

\* This online course uses Zoom.

\* Please refer to the previous schedule (Annex 2-2) for your reference.

### **III. Conditions and Procedures for Application**

#### **1. Expectations from the Participating Organizations:**

(1) This course is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Applying organizations are expected to use the program for those specific purposes.

(2) This course is enriched with contents and facilitation schemes specially developed in collaboration with relevant, prominent organizations in Japan. These special features enable the course to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.

#### **2. Nominee Qualifications:**

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

##### **(1) Essential Qualifications**

**1) Current Duties:** the officer or researcher who should be able to propose or research the plan related to the process of commodity production, sales, rural development, and adding the high value of agricultural products

**\* The person who wishes to study Master's/Doctor's course in Japan near future.**

**2) Experience in the relevant field:** majored in a field related to FVC or have more than 3-year work experience in that field

**3) Educational Background:** university/college graduate

**4) Language:** have competent command of spoken and written English, which is equivalent to TOEFL iBT 100 or more (This workshop includes active participation in discussions, which requires high competence of English ability. Please attach an official certificate for English ability such as TOEFL, TOEIC, etc., if possible)

##### **5) Technical Requirements:**

- Basic computer skills such as sending/receiving e-mail attachments and using a web browser
- Regular access to a computer, either from your home or from your office
- High-speed broadband connection
- Webcam, Microphone, and Audio output device(Speaker or Headset)

##### **(2) Recommendable Qualifications**

**1) Age:** between the ages of **twenty-five (25) and thirty-five (35) years**

**2) Gender Equality and Women's Empowerment:** Women are encouraged to apply for the program. JICA makes a commitment to

promote gender equality and women's empowerment, providing equal opportunity for all applicants regardless of sexual orientation and gender identity.

### **3. Required Documents for Application**

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

\* If you have any difficulties/disabilities which require assistance, please specify necessary assistance in the QUESTIONNAIRE ON MEDICAL STATUS RESTRICTION (1-(c)) of the application forms. Information will be reviewed and used for reasonable accommodation.

**(2) Photocopy of passport or ID card:**

\*The following information should be included in the photocopy:

Name, Date of birth, Nationality, and Sex

**(3) English Score Sheet:** to be submitted with the application form if the nominees have any official English examination scores. (e.g., TOEFL, TOEIC, IELTS)

**(4) Country Report and Research Interest Statement:** to be submitted with the application form. Fill in ANNEX I and II of this General Information.

### **4. Procedures for Application and Selection:**

**(1) Submission of the Application Documents:**

Closing date for applications: **Please confirm the local deadline with the JICA overseas office (or the Embassy of Japan)**.

(All required material must arrive at **JICA Center in Japan by September 5, 2022.**)

**(2) Selection:**

Primary screening is conducted at the JICA overseas office (or the embassy of Japan) after receiving official documents from your government. JICA Center will consult with concerned organizations in Japan in the process of final selection. Applying organizations with the best intentions to utilize the opportunity will be highly valued.

The Government of Japan will examine applicants who belong to the military or other military-related organizations and/or who are enlisted in the military, taking into consideration of their duties, positions in the organization, and other relevant information in a comprehensive manner to be consistent with the Development Cooperation Charter of Japan.

**(3) Notice of Acceptance**

The JICA overseas office (or the Embassy of Japan) will notify the results **no later than October 3, 2022.**

## **5. Conditions for Participation**

The participants of KCCP are required

- (1) to strictly observe the course schedule and concentrate on each session,
- (2) to work assignments after each lecture and submit them.

#### IV. Administrative Arrangements

##### 1. Organizer (JICA Center in Japan)

(1) Centre : JICA Kyushu Centre (JICA KYUSHU)

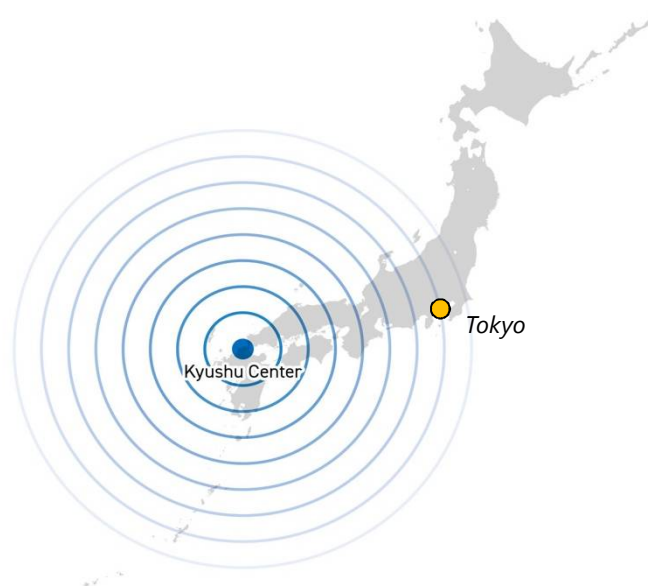
(2) Contact: Ms. Noda, Training Program Division (kicctp@jica.go.jp)

(3) URL : (a) JICA Kyushu's Website

<https://www.jica.go.jp/kyushu/english/office/index.html>

(b) Introduction of Knowledge Co-Creation Program

<https://www.youtube.com/watch?v=SLurfKugrEw>



##### 2. Implementing Partner:

(1) Name: Faculty of Agriculture, Kyushu University

(2) URL : (a) Faculty of Agriculture's Website

<https://www.agr.kyushu-u.ac.jp/english/#>

(b) International Graduate Program

<https://www.agr.kyushu-u.ac.jp/english/website2020/education/graduate/igp/>

(c) Overview Booklet (Faculty of Agriculture)

<https://www.agr.kyushu-u.ac.jp/english/website2020/wp-content/uploads/2020/12/gaiyou.pdf>

(d) Brochure (International Program)

<https://www.agr.kyushu-u.ac.jp/english/website2020/wp-content/uploads/2020/05/brochure.pdf>

(3) Remarks: Refer to Annex 2-3 (*University Life in Japan*)



# **“ANNEX”**

## ***1. Documents to be submitted with the Application Form***

- 1-1. Country Report
- 1-2. Research Interests
- 1-3. Laboratories that you are interested in

## ***2. Other Information***

- 2-1. JICA KCCP (Long-Term)  
“Agri-Net” program
- 2-2. Course Schedule in 2021
- 2-3. University Life in Japan

# ANNEX 1-1: Country Report

\*Please fill in the blank below. There is no limit to the number of words.

1. Personal Information	
Name	
Name of Organization	
Department / Division	
Present Position	
E-mail	
2. Country Information	
Country	
Capital city	
Total population	
The population engaged in agriculture	
Total land size (Km <sup>2</sup> )	
Agricultural land (Km <sup>2</sup> )	
GDP proportion of agricultural Industry to the national total (%)	
The situation of crop production (main crops, yield for main crops, cultivated area, the scale of farming, etc.)	
The situation of agricultural products (main agricultural products, the volume and the amount for trade, partner countries, etc.)	

**3. Current situation and issue related to FVC in your country**

\*Please choose **2 topics** in the following 5 topics and explain “Current situation, and Problems and Current approaches for solutions” in your country of each topic.  
**【Topic】** 1) Marketing & branding of agricultural products  
 2) Smart agriculture  
 3) Post-harvest treatment and food processing  
 4) Transportation infrastructure and quality control  
 5) Food safety

Title of Topic 1	
Current situation	
Problems and Current approaches for solutions, if any	
Title of Topic 2	
Current situation	
Problems and Current approaches for solutions, if any	

## **ANNEX 1-2: Research Interests**

### **[Purpose]**

- Applicants are required to submit their own research interest report. It will be used as a reference in the selection and should contribute to building and/or strengthening Food Value Chains in your country related to your research and job experiences.
- At the end of the training, participants are required to revise and present this report to express ideas and plan, reflecting the knowledge and method they acquired from the lecturers and individual consultation with a potential supervisor. This report will be used to evaluate your academic ability and motivation as well.

### **[Instruction]**

The statement should be

- typewritten in English
- 12-point font, A4 size paper
- total pages of the statement should be limited to 3 pages.

### **[Content]**

1. Name
2. Country
3. Organization
4. Research Interests
  - the fields of your interest based on the issues in FVC in your country, the current situation, and the reason for it
  - your research and job experiences related to it until now
  - your future plans

### ***ANNEX 1-3: Laboratories that you are interested in***

\* In order to choose a lab. for your research, please click on the name of the professor or associate professor in the list of faculty members from the next page onwards to visit the website and find details of the recent research topics which might match with your interest.

1	Professor's name	
	Lab. name	
2	Professor's name	
	Lab. name	
3	Professor's name	
	Lab. name	

[Note] Retirement in March, 2023

Teaching staff for the Master course students		
I. Bioresource Sciences		
Agricultural Bioresource Sciences		
Laboratories	Professor	Associate Professor
Plant Breeding	<a href="#">Hideshi YASUI</a>	<a href="#">Yoshiyuki YAMAGATA</a>
Crop Science		<a href="#">Yushi ISHIBASHI</a>
Plant Production Physiology	<a href="#">Sakae AGARIE</a>	<a href="#">Kazuyuki SAITOU</a>
Plant Pathology	<a href="#">Naruto FURUYA</a>	<a href="#">Kazuhiro IYAMA</a>
Horticultural Science	<a href="#">Yukio OZAKI</a>	
Zoology		<a href="#">Naoki IWAMORI</a>
Insect Genome Science	<a href="#">Takahiro KUSAKABE</a>	<a href="#">Hiroaki MON</a>
Entomology	<a href="#">Toshiya HIROWATARI</a>	<a href="#">Satoshi KAMITANI</a>
Insect Pathology and Microbial Control	<a href="#">Chisa YASUNAGA</a> <a href="#">-AOKI</a>	
Insect Natural Enemies		<a href="#">Takatoshi UENO</a> <a href="#">Midori TUDA</a>
Bioresources and Management	<a href="#">Keiji TAKASU</a>	
Agroecology	<a href="#">Toyoaki ANAI</a>	<a href="#">Kaori SAKAI</a>
Environmental Control for Biology	<a href="#">Satoshi YOSHIDA</a>	<a href="#">Toshihiko EGUCHI</a>
Tropical Crops and Environment	<a href="#">Ikuo MIYAJIMA</a>	
Creative Science for Insect Industries		<a href="#">LEE JAEMAN</a> <a href="#">Tsuguru FUJII</a>
Sanitary Entomology		<a href="#">Ryosuke FUJITA</a>
Animal & Marine Bioresource Sciences		
Laboratories	Professor	Associate Professor
Functional Anatomy		<a href="#">Shotaro NISHIMURA</a> <a href="#">Vishwajit Sur Chowdhury</a>
Animal Reproductive Physiology		<a href="#">Nobuhiko YAMAUCHI</a>
Muscle and Meat Sciences	<a href="#">Ryuichi TATSUMI</a>	<a href="#">Takahiro SUZUKI</a>
Regulation in Metabolism and Behavior	<a href="#">Shinobu YASUO</a>	
Animal Production and Ecology		<a href="#">Hideyuki TAKAHASHI</a>
Animal Life Science		<a href="#">Mako NAKAMURA</a>
Marine Biology		<a href="#">Kohei OHTA</a>
Fisheries Biology	Tomoyuki KOKITA	
Marine Environmental Science	<a href="#">Yuji OSHIMA</a>	<a href="#">Yohei SHIMASAKI</a>
Aquatic Field Science	<a href="#">Norio ONIKURA</a>	<a href="#">Yoshihisa KURITA</a>
Aquatic Molecular Developmental Biology		<a href="#">Yukiko Ogino</a>
Developmental Disorders and Toxicology		<a href="#">William Ka Fai TSE</a>

II. Agro-environmental Sciences		
Bioproduction Environmental Sciences		
Laboratories	Professor	Associate Professor
Irrigation and Water Management	<a href="#">Yoshiyuki SHINOBI</a>	
Water Environment Engineering	<a href="#">Kazuaki HIRAMATSU</a>	<a href="#">Masayoshi HARADA</a>
Environmental Soil Engineering		<a href="#">Takahiro HIGASHI</a>
Soil Science	<a href="#">Svuntaro HIRADATE</a>	
Agricultural Meteorology	<a href="#">Tomoyoshi HIROTA</a>	<a href="#">Daisuke YASUTAKE</a>
Agricultural Machinery and Production Systems Design	<a href="#">Takashi OKAYASU</a>	<a href="#">Yasumaru HIRAI</a>
Postharvest Science	<a href="#">Fumihiko TANAKA</a>	
Mathematical Modeling		<a href="#">Ton Viet Ta</a>
Forest Environmental Sciences		
Laboratories	Professor	Associate Professor
Plant Metabolic Physiology		<a href="#">Eiji GOTO</a>
Forest Management	<a href="#">Nobuya MIZOUE</a>	<a href="#">Tetsuji OTA</a>
Erosion Control	<a href="#">Yasuhiro SHUIN</a>	<a href="#">Hideaki MIZUNO</a>
Silviculture	<a href="#">Atsushi WATANABE</a>	
Forest Policy	<a href="#">Noriko SATO</a>	<a href="#">Takahiro FUJIWARA</a>
Forest Resources Management	<a href="#">Shinya KOGA</a>	<a href="#">Tsutomu ENOKI</a>
		<a href="#">Yasuhiro UTSUMI</a>
		<a href="#">Ryuji ICHIHASHI</a>
Forest Ecosystem Management	<a href="#">Kyoichi OTSUKI</a>	<a href="#">Tamao KASAHARA</a>
		<a href="#">Takuo HISHI</a>
		<a href="#">Masaaki CHIWA</a>
		<a href="#">Tomonori KUME</a>
Sustainable Bioresources Science		
Laboratories	Professor	Associate Professor
Wood Science	<a href="#">Junji MATSUMURA</a>	
Wood Materials Technology	<a href="#">Tetsuya NAKAO</a>	<a href="#">Noboru FUJIMOTO</a>
Forest Chemistry and Biochemistry	<a href="#">Yuji TSUTSUMI</a>	<a href="#">Toshihiro ONA</a>
Bioresources Chemistry	<a href="#">Takuya KITAOKA</a>	<a href="#">Hirofumi ICHINOSE</a>
Biomacromolecular Materials	<a href="#">Tetsuo KONDO</a>	<a href="#">Daisuke TATSUMI</a>
Systematic Forest and Forest Products Science	<a href="#">Atsushi KUME</a>	<a href="#">Kunivoshi SHIMIZU</a>
Biomaterial Design		<a href="#">Shingo YOKOTA</a>
III. Agricultural & Resource Economics		
Agricultural & Resource Economics		
Laboratories	Professor	Associate Professor
Food and Agricultural Policies	<a href="#">Hiroshi ISODA</a>	<a href="#">Takaaki WATABE</a>
Agricultural and Farm Management	<a href="#">Teruaki NANSEKI</a>	
Quantitative Food Economic Analysis	<a href="#">Koshi MAEDA</a>	
Food Marketing and Distribution		<a href="#">Masahiro MORITAKA</a>
Environmental Economics	<a href="#">Mitsuvasu YABE</a>	<a href="#">Yoshifumi TAKAHASHI</a>
International Agricultural Development Studies		<a href="#">Hisako NOMURA</a>

#### IV. Bioscience & Biotechnology (Master's course)

##### Molecular Biosciences

Laboratories	Professor	Associate Professor
Biochemistry	<a href="#">Yoshizumi ISHINO</a>	<a href="#">Sonoko ISHINO</a> <a href="#">Tomoyuki NUMATA</a>
Marine Biochemistry	<a href="#">Miki NAKAO</a>	<a href="#">Tomonori SOMAMOTO</a>
Marine Resource Chemistry		<a href="#">Nozomu OKINO</a>
Biophysical Chemistry	<a href="#">Yoshimitsu KAKUTA</a>	<a href="#">Etsuko NISHIMOTO</a>
Plant Nutrition	<a href="#">Ken MATSUOKA</a>	<a href="#">Akiko MARUYAMA</a>
Pesticide Chemistry	<a href="#">Mieko ARISAWA</a>	
Genome Chemistry and Engineering	<a href="#">Takahiro NAKAMURA</a>	<a href="#">Tomohiko KAZAMA</a>
Cellular Dynamics	<a href="#">Drummond Douglas Robert</a>	

##### Systems Bioengineering

Laboratories	Professor	Associate Professor
Molecular Gene Technology		<a href="#">Kosuke TASHIRO</a>
Cellular Regulation Technology	<a href="#">Yoshinori KATAKURA</a>	
Synthetic Biology	<a href="#">Taizo HANAI</a>	
Applied Microbiology	<a href="#">Kaoru TAKEGAWA</a>	<a href="#">Yuiiro HIGUCHI</a>
Microbial Technology	<a href="#">Jiro NAKAYAMA</a>	<a href="#">Takeshi ZENDO</a>
Soil and Environmental Microbiology		<a href="#">Yukihiro TASHIRO</a>
Functional Genomics and Metabolism	<a href="#">Shigeki FURUYA</a>	
Silkworm Bioresources	<a href="#">Yutaka BANNO</a>	
Plant Genetics	<a href="#">Toshihiro KUMAMARU</a>	<a href="#">Takahiko KUBO</a>
Microbial Bioresources	<a href="#">Katsumi DOI</a>	
Fungal Cell Biology		<a href="#">Hiromi MAEKAWA</a>

##### Food Science & Biotechnology

Laboratories	Professor	Associate Professor
Nutrition Chemistry	<a href="#">Masao SATO</a>	
Food Chemical Biology	<a href="#">Hirofumi TACHIBANA</a>	<a href="#">Yoshinori FUJIMURA</a>
Food Analysis	<a href="#">Toshiro MATSUI</a>	<a href="#">Mitsuru TANAKA</a>
Food Process Engineering	<a href="#">Noriyuki IGURA</a>	<a href="#">Shuntaro TSUBAKI</a>
Food Hygienic Chemistry	<a href="#">Takahisa MIYAMOTO</a>	<a href="#">Ken-ichi HONJOH</a>



Teaching staff for the Doctor course students		
I. Bioresource Sciences		
Agricultural Bioresource Sciences		
Laboratories	Professor	Associate Professor
Plant Breeding	<a href="#">Hideshi YASUI</a>	
Crop Science		<a href="#">Yushi ISHIBASHI</a>
Plant Production Physiology	<a href="#">Sakae AGARIE</a>	<a href="#">Kazuyuki SAITOU</a>
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Soil Science	<a href="#">Syuntaro HIRADATE</a>	
Agricultural Meteorology	<a href="#">Tomovoshi HIROTA</a>	<a href="#">Daisuke YASUTAKE</a>
Agricultural Machinery and Production Systems Design	<a href="#">Takashi OKAYASU</a>	<a href="#">Yasumaru HIRAI</a>
Postharvest Science	<a href="#">Fumihiko TANAKA</a>	
Forest Environmental Sciences		
Laboratories	Professor	Associate Professor
Plant Metabolic Physiology	<a href="#">Atsushi WATANABE</a>	
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Erosion Control	<a href="#">Shuin Yasuhiro</a>	<a href="#">Hideaki MIZUNO</a>
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Bioresources Chemistry	<a href="#">Takuya KITAOKA</a>	<a href="#">Hirofumi ICHINOSE</a>
Biomacromolecular Materials	<a href="#">Tetsuo KONDO</a>	<a href="#">Daisuke TATSUMI</a>
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International Agricultural Development		<a href="#">Hisako NOMURA</a>
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Molecular Biosciences		
Laboratories	Professor	Associate Professor
Biochemistry	<a href="#">Yoshizumi ISHINO</a>	<a href="#">Sonoko ISHINO</a> <a href="#">Tomovuki NUMATA</a>
Marine Biochemistry	<a href="#">Miki NAKAO</a>	<a href="#">Tomonori SOMAMOTO</a>
Marine Resource Chemistry		<a href="#">Nozomu OKINO</a>
Biophysical Chemistry	<a href="#">Yoshimitsu KAKUTA</a>	<a href="#">Etsuko NISHIMOTO</a>
Plant Nutrition	<a href="#">Ken MATSUOKA</a>	<a href="#">Akiko MARUYAMA</a>
Pesticide Chemistry	<a href="#">Mieko ARISAWA</a>	
Genome Chemistry and Engineering	<a href="#">Takahiro NAKAMURA</a>	<a href="#">Tomohiko KAZAMA</a>
Cellular Dynamics	<a href="#">Drummond Douglas Robert</a>	
Systems Bioengineering		
Laboratories	Professor	Associate Professor
Molecular Gene Technology		<a href="#">Kosuke TASHIRO</a>
Cellular Regulation Technology	<a href="#">Yoshinori KATAKURA</a>	
Synthetic Biology	<a href="#">Taizo HANAI</a>	
Applied Microbiology	<a href="#">Kaoru TAKEGAWA</a>	
Microbial Technology	<a href="#">Jiro NAKAYAMA</a>	<a href="#">Takeshi ZENDO</a>
Soil and Environmental Microbiology		<a href="#">Yukihiro TASHIRO</a>
Functional Genomics and Metabolism	<a href="#">Shigeki FURUYA</a>	
Silkworm Bioresources	<a href="#">Yutaka BANNO</a>	
Plant Genetics	<a href="#">Toshihiro KUMAMARU</a>	<a href="#">Takahiko KUBO</a>
Microbial Bioresources	<a href="#">Katsumi DOI</a>	
Food Science & Biotechnology		
Laboratories	Professor	Associate Professor
Nutrition Chemistry	<a href="#">Masao SATO</a>	
Food Chemical Biology	<a href="#">Hirofumi TACHIBANA</a>	
Food Analysis	<a href="#">Toshiro MATSUI</a>	<a href="#">Nitsuru TANAKA</a>
Food Process Engineering	<a href="#">Noriyuki IGURA</a>	
Food Hygienic Chemistry	<a href="#">Takahisa MIYAMOTO</a>	<a href="#">Ken-ichi HONJOH</a>

## ANNEX 2-1: JICA KCCP (Long-Term) “Agri-Net”

This FVC training is aimed at those who wish to study at a Japanese university (Doctoral or Master’s course) in the near future and is adapted a component including collaboration with the international student program, “Agriculture Studies Networks for Food Security (Agri-Net) “\*1

Therefore, it will provide the opportunity not only to enhance the knowledge and experience of FVC but also to match participants with universities.

Please note that the long-term scholarship in Japan is on a non-committal basis as it depends on the matching between the participants and the Japanese universities.

### \*1 JICA Knowledge Co-Creation Program (Long-Term)

#### “Agriculture Studies Networks for Food Security (Agri-Net) “

Program Object is to develop human resources of public and private sectors in the field related to Agriculture and Rural Development Policy, Sustainable Agricultural Production, One Health, Marine Resources/Fishery Development, Food Value Chain, and Nature Conservation are developed. - Strengthen a human network between developing countries and Japan in the above-mentioned field.

#### [Procedures and Flow]

October 30 – November 18, 2022	KCCP (Short-term) on Leader Development Program for “Food Value Chain” on Private-Public-Academia Collaboration
	Opinion hearing of relevant people and preparation
October 2023	Distribution of General Information on Agri-Net program (Long-Term) Submission of application documents
November 2023	Selection by JICA in each country
December 2023 – January 2024	Matching with Japanese Universities
April 2024 – July 2024	Selection by Japanese Universities (entrance examination)
September 2024 – 2026 September 2024 – 2027	For Master’s Degree For Doctor’s Degree

\*Each country may have its own schedule and/or qualifications for the program.

\*This flow is based on the 2022 program, and it is subject to change.

## ANNEX 2-2: Course Schedule in 2021

\*for reference

Date	Japan Time	Subject/Lecture Title	Venue	
Nov. 1	Mon	2:50pm - 3:00pm	Opening / Orientation	Zoom
		3:00pm - 4:20pm	[ Outline of Japanese Agriculture ] Country Report of Japan / Development History	Zoom
		4:40pm-6:10pm	Self introduction Current Situation and Problems of Agriculture in Your Country	Zoom
Nov. 2	Tue	2:50pm-4:20pm	[ Outline of FVC-1 ] Outline of Food Value Chain (FVC): Economics	Zoom
		4:40pm-6:10pm	[ Outline of FVC-2 ] Outline of Food Value Chain (FVC): Policy	Zoom
Nov. 3	Wed	No program (National Holiday)		
Nov. 4	Thu	2:50pm-4:20pm	[ Roles and Measures of the Central Government in Japan to Strengthen FVC-1 ] Activities on Promotion of the Sixth Industry	Zoom
		4:40pm-6:10pm	[ Roles and Measures of the Central Government in Japan to Strengthen FVC-2 ] Overseas Expansion of Food Industry through Global Food Value Chain (GFVC) Initiative	Zoom
Nov. 5	Fri	2:50pm-4:20pm	[ Roles and Measures of the Central Government in Japan to Strengthen FVC-3 ] Outline of Food and Agricultural Materials Inspection Center	Zoom
		4:40pm-6:10pm	Introduction of JICA's Projects Related to Food Value Chain and Agri-Net	Zoom
Nov. 6	Sat	No program		
Nov. 7	Sun	No program		
Nov. 8	Mon	2:50pm-4:20pm	[ Smart Agriculture Production System & Farming Management-1 ] Innovation in Rice Farming Through Smart Agriculture	Zoom
		4:40pm-6:10pm	Individual Consultation about Research Proposal (1 hour / person)	Zoom
Nov. 9	Tue	2:50pm-6:10pm	Individual Consultation about Research Proposal (1 hour / person)	Zoom
Nov. 10	Wed	2:50pm-4:20pm	Individual Consultation about Research Proposal (1 hour / person)	Zoom
		4:40pm-6:10pm	[ Food Marketing & Branding-1 ] Rural Development by Regional Branding through Recycle Based Agriculture	Zoom
Nov. 11	Thu	2:50pm-4:20pm	[ Smart Agricultural Production System & Farming Management-2 ] Smart Farm for Horticultural Crops & Value Addition	Zoom
		4:40pm-6:10pm	[ Ensuring Safety at Each Stage of the FVC ] Food Safety & Food Chain Approach from Hygiene	Zoom
Nov. 12	Fri	2:50pm-4:20pm	[ Transportation Infrastructure & Quality Management ] Introduction to Postharvest Science, Investigation into the Design of the Dual Temperature Reefer Container Using Computational Fluid Dynamics	Zoom
		4:40pm-6:10pm	[ Postharvest Treatment and Food Processing ] Study on the Mechanism of Quality Change of Postharvest Agricultural Products under Storage and Distribution Conditions	Zoom
Nov. 13	Sat	No program		
Nov. 14	Sun	No program		
Nov. 15	Mon	2:50pm-4:20pm	[ Food Marketing & Branding-2 ] Market Mechanism, Consumer Demand, Market Demand, Branding Strategy	Zoom
		4:40pm-6:10pm	Introduction of agriculture at Itoshima city	Zoom
Nov. 16	Tue	2:50pm-4:20pm	[ Smart Agricultural Production System & Farming Management-3 ] Potential and Challenges of Japanese Wagyu in the Global Market I	Zoom
		4:40pm-6:10pm	[ Smart Agricultural Production System & Farming Management-3 ] Potential and Challenges of Japanese Wagyu in the Global Market II	Zoom
Nov. 17	Wed	2:50pm-4:20pm	Individual Consultation about Research Proposal / Preparation for Presentation	Zoom
		4:40pm-6:10pm	[ Activities of Farmer, Producer, Private Sector, Local Government, etc.-1 ] Situation of Agri-business in Hongkong	Zoom
Nov. 18	Thu	2:50pm-6:10pm	[ Activities of Farmer, Producer, Private Sector, Local Government, etc.-2 ] Ajinomoto & AEON Collaboration Brand "Rikisaku" Vegetables	Zoom
Nov. 19	Fri	2:50pm-4:20pm	Wrap-up/ Presentation of Research Proposal	Zoom
		4:40pm-6:10pm	Wrap-up/ Presentation of Research Proposal	Zoom

# **ANNEX 2-3: University Life in Japan**

\*for reference

## **Graduate School of Bioresource and Bioenvironmental Sciences, Kyushu University**

### **-International Graduate Program-**

<https://www.agr.kyushu-u.ac.jp/english/education/graduate/igp/>

### **-Departments and Educational courses-**

<https://www.agr.kyushu-u.ac.jp/english/website2020/education/graduate/igp/research/>

### **-Attached Organizations-**

<https://www.agr.kyushu-u.ac.jp/english/facilities/#farm>

### **-Relating Organizations-**

<https://www.agr.kyushu-u.ac.jp/english/facilities/#tropical-agr>

## **Necessary Curriculum to Obtain the Degrees**

### **[Module Subjects](Master's Course and Doctoral Course)**

<https://www.agr.kyushu-u.ac.jp/english/education/graduate/igp/curriculum/>

### **[Master's Course]**

#### **- Special Research subjects-**

Master's Thesis Research I

Master's Thesis Research II

#### **-Practicum subjects-**

Seminar in a Specified Field I

Seminar in a Specified Field II

Teaching practice

Presentation skill for academic meeting I

Presentation skill for academic meeting II

International presentation skills for academic meetings

Internship

#### **-Core Subjects-**

Basic Statistics

Advanced Statistics

Biological Resources: Utilization and Conservation

Soil and Water Environment

International Rural Development

Advanced Technology in Agriculture

Food Science and Food System

Fundamental Research Skills

Rural Survey Research Methods

#### **-PBL Subjects-**

Agricultural Problem-Based Learning I

Agricultural Problem-Based Learning II

#### **-Advanced Subjects-**

Agricultural Science

Animal & Marine Biosciences

Forest and Forestry Sciences

Bioproduction Environmental Sciences  
Sustainable Bioresources Science  
Advanced econometrics  
Molecular Bioscience I  
Advanced in Bioresource Technology  
Advanced Food Quality

**-International Frontier Program in Agriculture (Minor program)-**

English for AgriBio Leaders I  
English for AgriBio Leaders II  
Construction of Agriculture, Forestry, and Fisheries, and Development of Asian Agriculture  
AgriBio Advanced Technology and International Contribution  
Current Topics in Agriculture and Biotechnology  
AgriBio Global Exercise I  
AgriBio Global Exercise II  
AgriBio Global Exercise III  
AgriBio Overseas Short-term Program  
AgriBio Overseas Program

### ***List of faculty members capable of guiding graduate students***

In principle, all professors and associate professors are capable of supervising graduate students. Here is a list of professors and associate professors who are capable of supervising graduate students.  
<http://www.agr.kyushu-u.ac.jp/files/FacultyMembers.pdf>

### ***Academic Schedule***

1 <sup>st</sup> year Fall, Winter (October – March) Entrance ceremony (October) Welcome party Fall core subjects International Seminar Academic English Writing Skills module	2 <sup>nd</sup> year Fall, Winter (October – March) International Seminars Field trip
1 <sup>st</sup> year Spring, Summer (April – September) Spring core subjects	2 <sup>nd</sup> year Spring, Summer (April – September) Defending your master's thesis Oral presentation (July) Graduation ceremony (September)

### ***Activities for International Graduate Program***

#### **1) International Seminar**

We invite well-known researchers from all over the world. It is a great opportunity to hear about their research and also an excellent chance to discuss it with them. In addition, our faculty organizes an international conference called **AFELiSA** (International Symposium on Agriculture, Food, Environmental and Life Science in Asia) with three Korean Universities and Tottori University, Japan. You have a chance to present your research work at the international conference.

#### **2) Research Skills Seminar**

Many of the new graduate students are just starting their research. We will help you get started on your research as smoothly as possible. We have several research seminars on survey methodology, writing skills, and presentation practice.

#### **3) International Agricultural Frontier Education Program**

We also offer a partner program of the JICA Program with Universities for Development Studies (JProUD) and two subjects about Japan's development model on agro-technological innovation and system. The program to offer participants programs to learn both (i) lessons and challenges of Japan's modernization (in the regional and other countries' context) and (ii) experience, including lessons from both success and challenges of Official Development Assistance (ODA) of Japan's government to the world. These programs

are managed as part of universities' existing master/doctorate courses. The above "Partnership" expect participants to be future top leaders in the respective fields/sectors and contribute significantly to development in countries after completion of programs.

#### **4) Research Trip**

Based on the student requests, we organize research trips and visit research centers or farmers. For example, we have visited the marine product and research center, a strawberry farm, rice farmers, and an agricultural engineering site. It is an exciting opportunity to get to know and see the leading agriculture or marine production technology as a future technological leader in your home country.

#### **5) Life at Kyushu University**

Kyushu University enjoys its international academic atmosphere; more than 10 percent of the students are from overseas. Life in Kyushu University Academic life at Kyushu University is intense as well as warm and welcoming.

#### **-Post-program activities-**

##### **1. Lifetime supervision**

Supervisors will continue to guide you and support you in submitting a journal article based on data and analysis conducted during the program

##### **2. Network building via Kyushu University homepage and Facebook**

The graduate of the Graduate School of Bioresource and Bioenvironmental Sciences at Kyushu University continue to get updated information on activities as well as that of alumina via the Kyushu University homepage (<http://www.agr.kyushu-u.ac.jp/english/>) and Facebook (Bioresource and Bioenvironment courses at Kyushu University)

## **Facilities**

#### **-Student Support -**

Global Gateways Kyushu University (International Student Exchange Division)International Student Exchange Division supports international students, including CoE, dormitories admission, resident registration, opening a bank account, and finding an apartment.

<http://www.isc.kyushu-u.ac.jp/supportcenter/en/>

#### **-Accommodation-**

Students enrolled in this course may apply for a furnished student dormitory (with a private bathroom and balcony). More detailed housing information can be found on the following website.

<http://www.isc.kyushu-u.ac.jp/supportcenter/en/housing>

#### **-University Central Library-**

The University Library consists of three general libraries, the largest of which is located right across the road from the International Student Center. The International Salon on the second floor is equipped with 40 personal computers for students and staff use. In the International Corner on the third floor, satellite broadcasting in Chinese, Korean, and English is also available. Computers and Internet access are possible from 9:00 am to 5:00 pm on weekdays in the computer room. Computer facilities are also available in the Central Library.

<https://www.lib.kyushu-u.ac.jp/en/libraries/central>

#### **-Center for Health Sciences & Counseling-**

Counseling & Health Center offers physical and psychological care services, the counseling, and guidance of all students and staff members of Kyushu University.

<https://www.chc.kyushu-u.ac.jp/~webpage/english/>

## **For Your Reference**

### **JICA and Capacity Development**

Technical cooperation is people-to-people cooperation that supports partner countries in enhancing their comprehensive capacities to address development challenges through their own efforts. Instead of applying Japanese technology per se to partner countries, JICA's technical cooperation provides solutions that best fit their needs by working with people living there. In the process, consideration is given to factors such as their regional characteristics, historical background, and languages. JICA does not limit its technical cooperation to human resources development; it offers multi-tiered assistance that also involves organizational strengthening, policy formulation, and institution building.

Implementation methods of JICA's technical cooperation can be divided into two approaches. One is overseas cooperation by dispatching experts and volunteers in various development sectors to partner countries; the other is domestic cooperation by inviting participants from developing countries to Japan. The latter method is the Knowledge Co-Creation Program, formerly called Training Program, and it is one of the core programs carried out in Japan. By inviting officials from partner countries and with cooperation from domestic partners, the Knowledge Co-Creation Program provides technical knowledge and practical solutions for development issues in participating countries.

The Knowledge Co-Creation Program (Group & Region Focus) has long occupied an important place in JICA operations. About 400 pre-organized courses 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 is being customized by the different target organizations to address the specific needs, 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**

As the first non-Western nation that became a developed country, Japan built itself into a free, peaceful, prosperous, and democratic country while preserving its tradition. Japan serves as one of the best examples for our partner countries to follow in their own development.

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 a process of adoption and adaptation, of course, has been accompanied by countless failures and errors behind the success stories.

Through Japan's progressive adaptation and application of systems, methods, and



technologies from the West in a way that is suited to its own circumstances, Japan has developed a storehouse of knowledge not found elsewhere from unique systems of organization, administration, and personnel management to such social systems as the livelihood improvement approach and governmental organization. It is not easy to apply such experiences to other countries where the circumstances differ, but the experiences can provide ideas and clues useful when devising measures to solve problems.

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.



**Contact Information for Inquiries**

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

**JICA Kyushu Center (JICA Kyushu)**

**Address: 2-2-1 Hirano, Yahatahigashi-ku, Kitakyushu-shi,  
Fukuoka 805-8505, Japan**

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