



# **JICA's Activities for Agriculture Sector in Africa -Human Resource Development in Japan-**

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# Self-introduction

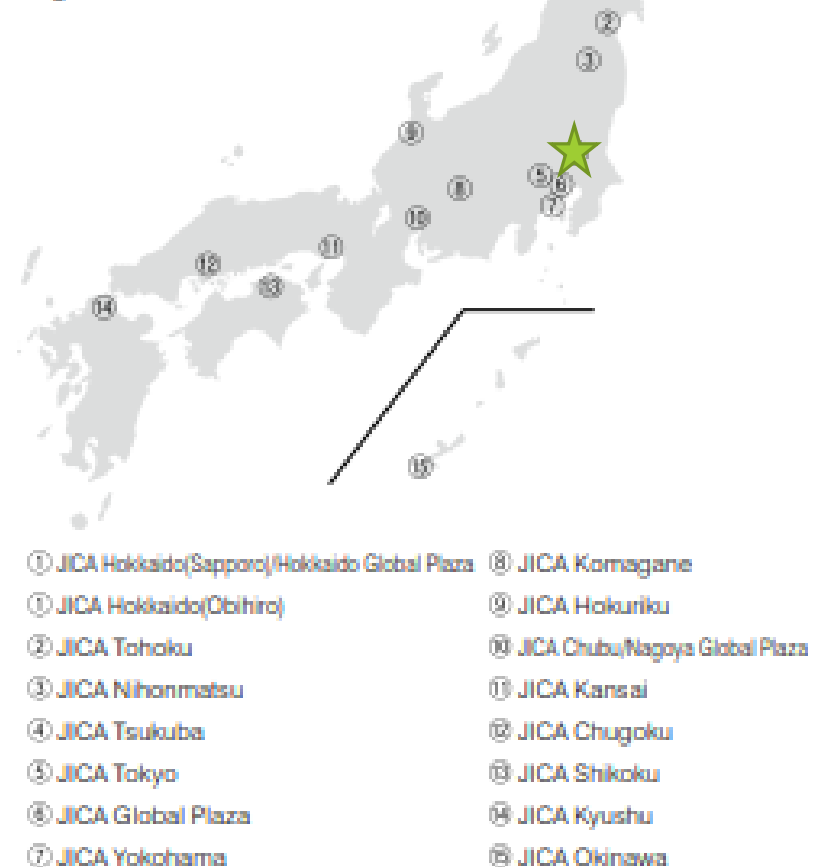
- Ms. Yui KAWAGOE
- Deputy assistant director at JICA Tsukuba, Training program division
- Back ground
  - MAg(Agricultural Economics)
  - Joined JICA in 2018 and had been in charge of Agricultural Project in Western and Central African countries, such as Senegal, Cote d'Ivoire, and Cameroon, at JICA HQ.
  - Now in charge of training program for CARD, Rice cultivation, Nutrition Improvement.
- Experiences in Africa: Tanzania (3month), Senegal , Cote d'Ivoire, and Rwanda.

# What is JICA Tsukuba?

- One of 15 domestic offices
- Role of Domestic offices
  - Implement Various Programs cooperating with local organization, citizens, private companies, and universities
    - **Training Program** (today's topic)
    - JICA Volunteers (JOCV)
    - Public-Private Partnership (PPP)
    - Education for International Understanding

## Offices in Japan

JICA carries out diverse projects via domestic offices throughout Japan in cooperation with various organizations.





# What is JICA Tsukuba?

- One of JICA Tsukuba's specialties is **Agriculture**
  - Own field and laboratory
  - Located in Ibaraki prefecture, who ranks third in Japan in terms of agricultural output in 2019 out of 48 prefectures
  - Located in Tsukuba city, where a lot of national research center locates, including JIRCAS (Japan International Research Center for Agricultural Sciences) and NARO(National Agriculture and Food Research Organization)



# JICA's activities on human resource development

- Overseas

- Technical cooperation

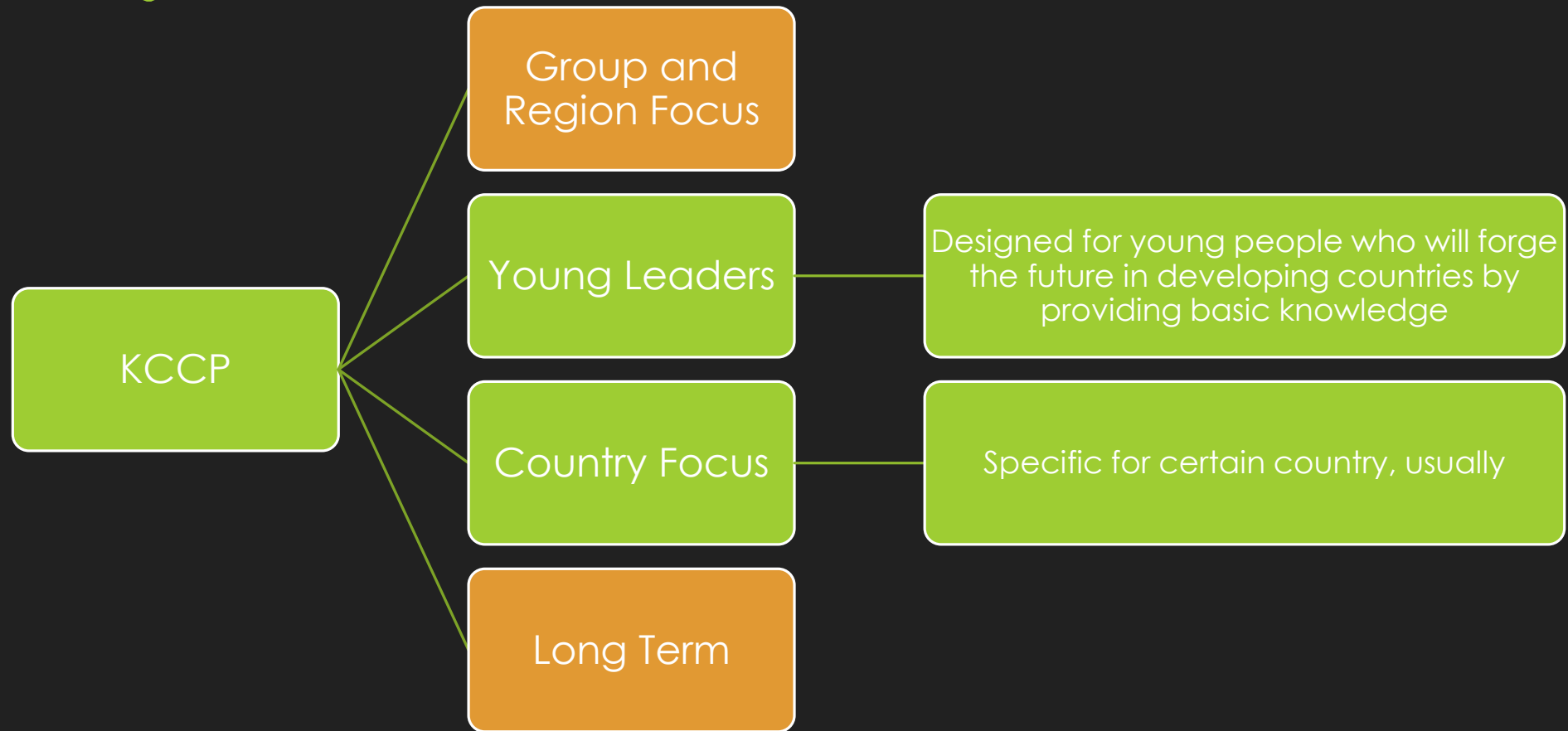
- In Japan

- **Knowledge Co-creation Program**

# Knowledge Co-creation program (KCCP)

- From 1954 to 2019, we have accepted **378,406 people** from around the world
- Spirit of Knowledge Co-creation Program
  - *“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.**”*
  - -the Development Cooperation Charter which is released by the Japanese Cabinet on February 2015.

# Knowledge Co-creation Program



# Long term program

- **JICA Development Studies Program (JICA-DSP)**
  - offered for international scholars accepted as the participants of JICA's Knowledge Co-Creation Programs, who are enrolled in a degree program at a Japanese university.
  - Common Program: short term intensive course to learn about Japan's development in the modern era
- Various program under JICA-DSP (Example)
  - Master's Degree and Internship Program of African Business Education Initiative for Youth (**ABE Initiative**)
    - Targeting for human resources for industry and business
    - Experience Internship at company during and after student's master's degree
  - **JICA SDGs Global Leader**
    - Targeting young/middle bureaucrats, academicians, as future political decision maker
  - Agriculture Studies Networks for Food Security (**Agri-Net**)



# Agri-Net Program

## ○ Agricultural Studies Networks for Food Security (Agri-Net Program)

### ○ Theme

- Agricultural and Rural Development Policy, Sustainable Agricultural Production,...

### ○ Partner Universities

- 54 universities in FY2022
- Japan Intellectual Support Network in Agricultural Science (JISNAS)  
(<http://jisnas.com/en/index.html>)

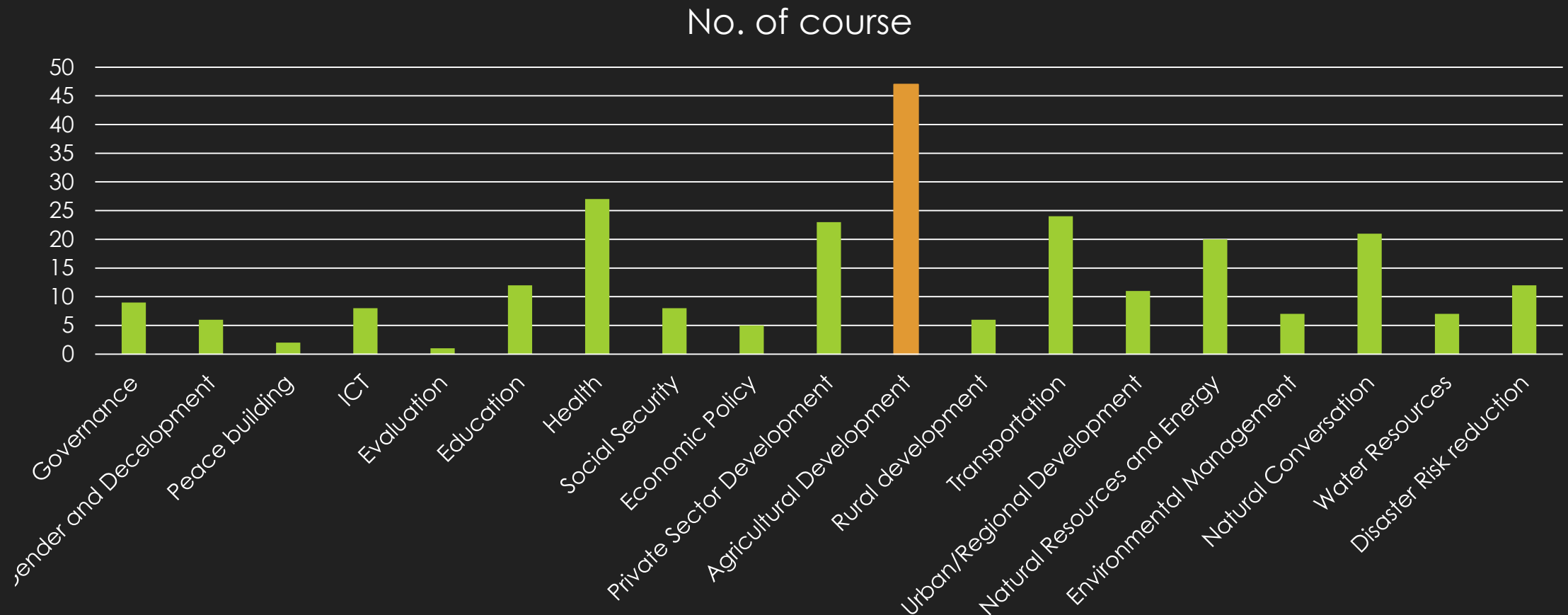
# Agri-Net Program

- Additional program: Agri-network
  - The network aims at offering opportunities
    - To share experiences with other participants,
    - To understand Japan & its agriculture,
    - and to expand our professional network to bridge between JICA partner countries and Japan.
  - Participants
    - More than 160 students from 50 countries.
  - Monthly seminar which include lecture by experts and discussion with students and JICA staffs
    - Theme: Modernization of Agriculture, Food Self-sufficiency, Smart Farming Technologies in Japan, One-village-One-Product (OVOP)
  - Build network through LinkedIn Page

## Group and Region Focus

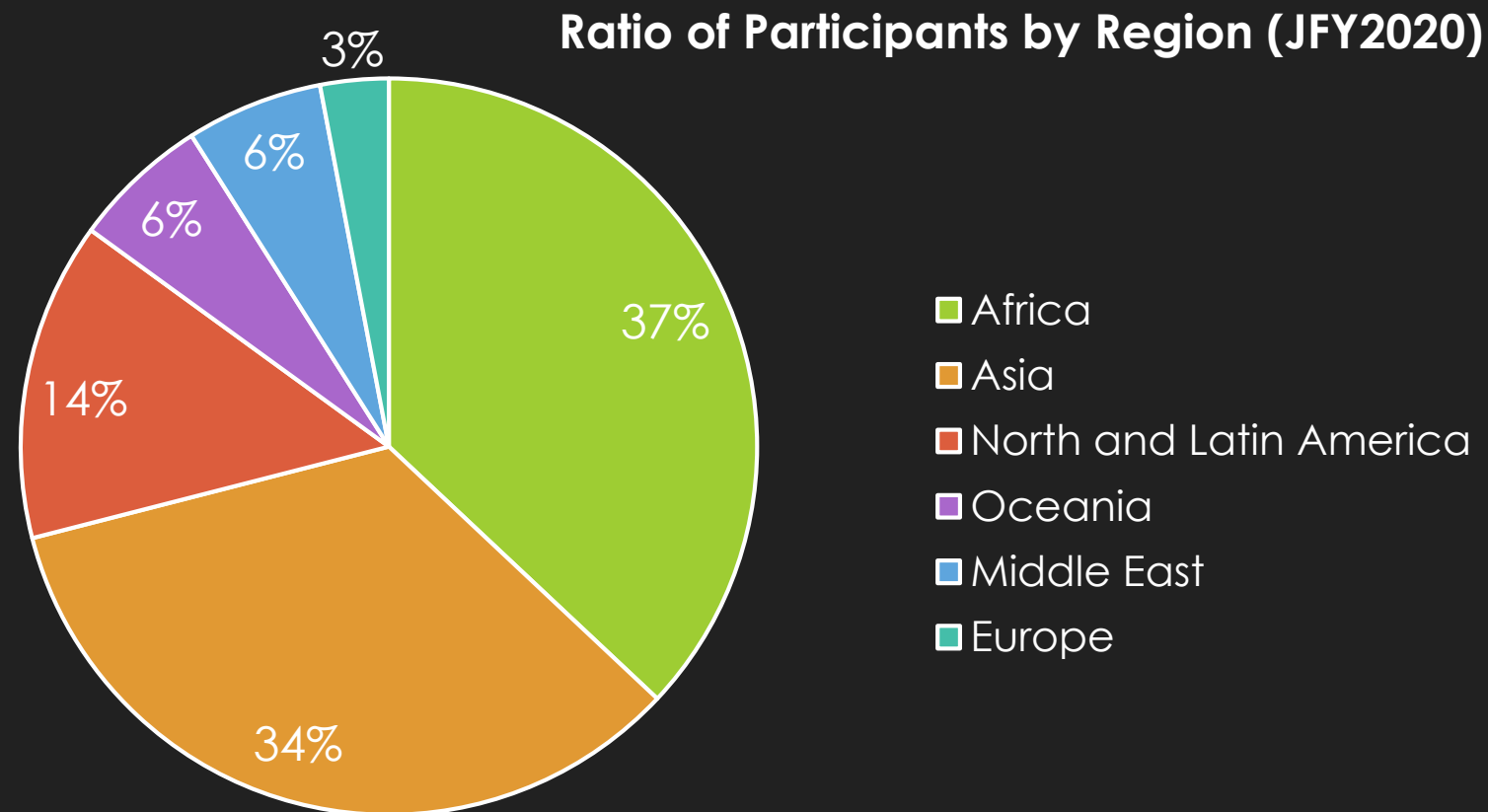
- JICA offers around **300 courses** every year.
- In order to meet various needs of developing countries, the program covers **a wide variety of subjects**, such as traditional agricultural techniques, cutting-edge science and technology, hospital management , and local government systems.
- Course duration differs from 2weeks to almost one year.
- Basically course is open for all developing countries, though some course is limited for certain region, such as Sub-Saharan Africa.
- Majority of course is designed for **central/local government officers**, since JICA's cooperation aims capacity development of not only individual but also of **organization and country**.

# Group and Region Focus



\*Please note that JFY2020 courses were mostly implemented by on-line and some courses were canceled because of COVID-19.

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# Case 1

## Rice production

# Program Design



Title: "Improvement of Rice cultivation techniques (for extension officer)"



Period: Mid-March to beginning of November



Countries: Asia, Sub-Saharan Africa, and Middle East



Number of participants: 12

# Program Contents



## Lecture

Fundamental rice cultivation techniques

Extension methods

Planning and conducting experiments for efficient extension services



## Practice

### Individual Experiment

Soil analysis

Plant analysis

Post harvest



## Field Trip

Agricultural Research Institute

Extension center

Rice farmer

Irrigation facilities

# Individual Experiment

- In order to efficiently and effectively extend new technology to farmers, participants conduct individual experiment.
- They plan own theme, manage fields, collect data and finally summarizing the result into poster.
- Example of theme:
  - Effect of Nitrogen Topdressing (application) timing on growth and Yield of IR28
  - Effect of planting density at different spacing on growth and yield of IR28 and NERICA4



# Case 2

## Nutrition Improvement



# Program Design



Title: "Nutrition Improvement through Agriculture"



Period: 4 weeks in early summer



Countries: Sub-Saharan African countries



Number of Participants: 12

# Program Contents



## Lecture

### **Livelihood Improvement Approach**

Agriculture and Nutrition Improvement

Food and Nutrition Improvement (Shokuiku)

Water, Sanitation and Higyene (WASH)



## Practice

Nutrient Focused Approach (NFA)

Action Plan



## Field Trip

Elementary School

Women's group

Kitchen Garden

Local government

**Interview to former Livelihood Improvement extension worker**

# Livelihood Improvement Approach

- A technique that developed **to improve the lives of people in rural** Japan particularly in the late 1940s and 1950s, who are facing problems such as daily living, nutrition, sanitation and health.
- An important characteristic of the livelihood improvement approach is its way of solving issues not by introducing foreign systems and technologies, but by skillfully **using the limited resources available** to improve people's lives.
- The extension worker visit local people one by one to understand their circumstances, and **facilitate** them to understanding their problem and find solution which can change by small effort and resource.



縁側で指導する生活改良普及員／livelihood improvement extension worker giving guidance 「内田宏・縁側で指導する生活改良普及員（NPO地域資料デジタル化研究会デジタルアーカイブズ）」

# Features of JICA's training program

## -Japanese Experience of Development-

- Japan's unique experience

- Japan is the first country that has modernized from a non-Western background to establish a free, democratic, prosperous, and peace-loving nation based on the rule of law, without losing much of its tradition and identity.
- Heavily damaged by World War II in 1940's and dramatically recovered from the damage

=> In that sense, Japan could serve as one of the best examples for developing countries to follow in their own development, and development of social system.

# Features of JICA's training program -Japanese Experience of Development-

- Series of videos introducing the evolution of agricultural development in Japan
- <https://youtu.be/xyFo4NZMnGA>
  - Theme:
    - History of Japanese Agriculture
    - Development of Rice farming
    - Agricultural Extension and Support
    - Land improvement
    - Nutrition improvement





# JICA's learning contents: JICA-net Library

- JICA has created a lot of learning content explaining the evolution of Japanese system or current activities for solving social issues.
- You can find more contents from here: <https://jica-net-library.jica.go.jp/en2/index.html>
- Or google by “JICA-net”

**Thank you for your attention**