

## **JENESYS2019 ASEAN Inbound Program 25th Batch Program Report**

**Theme: Exchange for Farmland Consolidation Technology**

**Country: Vietnam**

### **1. Program Overview**

14 young officials from Vietnam, who works for the Ministry of Agriculture and Rural Development (MARD) or Department of Agriculture and Rural Development (DARD), visited Japan for a period of six nights from February 17 to 23, 2020 as part of JENESYS 2019 under the theme of “Exchange for Farmland Consolidation Technology”. The delegation visited Tokyo, Saitama, Ibaraki, and Chiba Prefecture to participate in the international exchange program. In Tokyo, they attended a lecture on the theme at Ministry of Agriculture, Forestry and Fisheries, and observed the Imperial Palace and the Double Bridge. In Saitama, they visited Kanto Regional Agricultural Administration Office and learned its basic policy. In addition, they visited the sites in Ibaraki, and Sasamoto-Arai area in Chiba to observe and learn sustainable environment and resource management. They also visited other related facilities to observe its technology which makes agriculture a competitive industry, as well as deepened their understanding on how they made efforts to dispatch information in order to publicize their role. During the program, the participants shared their discoveries and experiences in Japan through Social Media. At the reporting session before leaving Japan, the group presented an action plan (activity plans after returning home) to convey their experience while visiting Japan.

#### **【Participating Countries and Numbers of Participants】**

14 officials from Vietnam

#### **【Prefectures Visited】**

Tokyo, Saitama, Ibaraki, Chiba Prefecture

### **2. Program Schedule**

February 17th (Mon)

**【Arrival】** Arrival in Japan

February 18th (Tue)

**【Orientation】**

**【Courtesy call and Lecture】** Kanto Regional Agricultural Administration Office

February 19th (Wed)

**【Observation】** Ibaraki Central Land Improvement and Consolidation Office

【Observation】 Site-visit at Ibaraki Central Area

【Observation】 Site-visit at Sasamoto-Arai Area

February 20th (Thu)

【Lecture/Observation】 The National Agriculture and Food Research organization(NARO)

【Company Visit】 Japan International Research Center for Agricultural Sciences(JIRCAS)

February 21st (Fri)

【Courtesy call/Lecture】 Ministry of Agriculture, Forestry and Fisheries (MAFF)  
/Farmland System in Japan

【Lecture】 Overview of Farmland Consolidation

【Lecture】 Overview of Farmland Substitution

February 22nd (Sat)

【Observation】 Imperial Palace, Double Bridge

【Workshop】

【Reporting Session】

February 23rd (Sun)

【Departure】 Departing from Japan

### 3. Program Photos



February 18th  
【Orientation】



February 18th 【Courtesy Call/Lecture】  
Kanto Regional Agricultural  
Administration Office (KRAAO)



February 19th 【Observation】  
Ibaraki Central Land Improvement and  
Consolidation Office



February 19th 【Observation】  
Site-visit at Ibaraki Central Area



February 19th 【Observation】  
Site-visit at Sasamoto-arai Area



February 19th 【Observation】  
Site-visit at Sasamoto-arai Area



February 20th 【Observation】  
Disaster Prevention Research Center



February 20th 【Company Visit】  
Japan International Research Center for  
Agricultural Sciences





February 21st 【Lecture】 MAFF  
“Farmland System in Japan”



February 21st 【Lecture】 MAFF  
“Overview of Farmland Consolidation”



February 21st 【Lecture】 MAFF  
“Overview of Farmland Substitution”



February 22nd 【Visit】  
Imperial Palace, Double Bridge



February 22nd  
【Workshop】



February 22nd  
【Reporting Session】

#### **4. Feedback from the Participants (excerpt as written)**

- ◆ Land consolidation and reorganization of productions are critical mission. The goal is to improve scattered farmland, readjustment of large farm, formation of single crop area, maintenance of specific irrigation system which applied ICT technologies in underground Water Level Control System (FOEAS) , and adding value to agricultural products by farm mechanization. I will share learnings from this program in Japan to my colleague of Ministry of Agriculture and Rural Development (MARD), and propose each organization to apply land consolidation technologies, especially FOEAS, to our future projects in the field of rural development in the ministry.
  
- ◆ I have been researched on Japan by books, newspapers, magazines, and media. However, I was impressed that Japan was well developed after actually visiting Japan. In the field of agriculture, Japanese government keep pursuing various measures to develop agricultural production and protect farmers. Our country needs to learn from its convenient transport system, developed subway system, and modern city planning so forth. What made me impressed most in the program is a lecture and observation at National Agriculture and Food Research Organization (NARO). I thought it was very important and had potential to apply ICT to agriculture. I supposed these technologies were really effective for agricultural productions. After returning to home, I will apply my learnings in Japan to my work management, improving system and policy of agriculture, especially improve a role of government to offer advantages in effective agricultural production activities. In addition, there were many things we should learn from Japan to promote science technologies and work management.
  
- ◆ This visit of Japan has changed my previous ideas. Followings are the reasons;
  - Japanese culture is unified with modernity
  - Researching and applying advanced technologies to solve actual problems
  - Openly sharing knowledges and technologies for development of all over the world

What I need to share with Vietnamese after returning home are followings;

- Japanese actual interests in sustainable developments and its feasibility
- Great culture unified with modernization
- Clean environment
- Already developed in economy, but still valued agriculture and consider it as backbone of economy.

#### **5. Feedback from the Hosts (excerpt)**

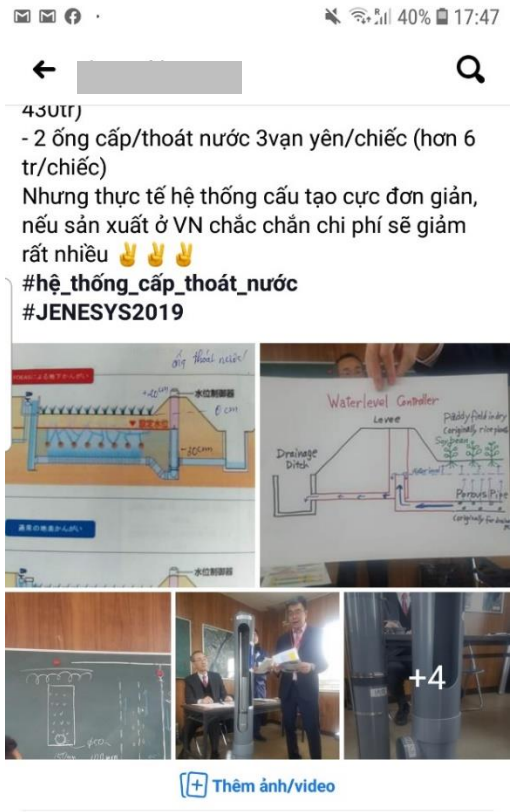

- ◆ National Agriculture and Food Research Organization

We lectured on the development of remote or automatic water supply and drainage system which controlled by advanced portable information terminal, because it would help them to overcome their obstacles to expansion of management scale, which has been caused by delayed mechanization of water management of paddy field. All participants were an expert or teacher in the same field, therefore discussion was very meaningful on how to introduce these technologies to Vietnam in future.




◆ Japan International Research Center for Agricultural Sciences (JIRCAS)

In Japan, along with rapid aging and depopulation, agricultural working population are also rapidly decreasing and aging. Moreover, aged farmers started to retire, which makes paddy fields planted by a few large entities. This population problem is also happening in Vietnam. Therefore, promotion of self-driving agricultural machines, “smart-agriculture”, will be a goal to be aimed for both countries, which I would like them to promote in Vietnam when they returned to their country.


## 6. External Communication by the Participants

 <p>430trj - 2 ống cấp/thoát nước 3vạn yên/chiếc (hơn 6 tr/chiếc) Nhưng thực tế hệ thống cấu tạo cực đơn giản, nếu sản xuất ở VN chắc chắn chi phí sẽ giảm rất nhiều 🙌🙌🙌 #hệ_thống_cấp_thoát_nước #JENESYS2019</p>	 <p>17:31 nông nghiệp Nhật Bản #JENESYS 19</p> <p>Thích Bình luận Chia sẻ</p> <p>Viết bình luận...</p>
<p>Learned about Japanese advanced technology in farmland consolidation. I will actively share it in Vietnam.</p>	<p>Observed automated water control system in paddy field. It is challenging but keep researching to introduce to Vietnam.</p>

## 7. Action Plan Presented by Participants at the Reporting Session (excerpt)

<p style="text-align: center;"><b>III. 実施組織</b></p> <p><b>1. プロジェクト</b></p>  <p><b>2. 啓発、研修、支援</b></p>  <p style="text-align: right;">Trung T</p>	<p><b>Action Plan 1</b></p> <p><u>Goals</u></p> <ol style="list-style-type: none"> <li>1. Achieve sustainable development of agriculture by improving quantity and quality of agricultural products.</li> <li>2. Save water resources</li> <li>3. Control irrigation simply and effectively</li> <li>4. Maintain soil composition (Erosion reduction)</li> <li>5. Maintain soil quality</li> </ol>
 <p><b>ベトナムの土地及び農業の現状：</b></p> <p><b>土地：</b></p> <ul style="list-style-type: none"> <li>・総面積：～33 Million ha</li> <li>・農林水産土地：～27 Million ha</li> <li>・農地：～11 Million ha</li> </ul> <p><b>農業：</b></p> <ul style="list-style-type: none"> <li>・農林水産分野のGDP：総GDPの14.7% (2018)</li> <li>・農林水産分野の労働者：37.7% (2018)</li> <li>・農業輸出額：40 Billion USD</li> </ul>	<p><b>Action Plan 2</b></p> <p><u>Proposal to Vietnam from experience in Japan</u></p> <ol style="list-style-type: none"> <li>1. Eliminate restrictions on transfer of farmland rights</li> <li>2. Stipulate minimum area to avoid dividing farmland block, and audit its implementation</li> <li>3. Activate farmland foundations, establish markets of farmland development rights, and apply to property rights in future</li> <li>4. Develop digital land control system, provide digital information of land property rights and its transactions</li> <li>5. Establish a farmland information center, which will support taking advantage of land consolidation in various ways as transaction, rent, investment, and alliance of farmland</li> <li>6. Bid for unallocated or unused land, to utilize it for production and management by its land owner</li> </ol>



<p><b>勉強した内容の一部</b></p> <p>○ 農業活動に使用されている一部の機械に関する勉強: 地下排水路の溝掘機</p> 	<p><b>Action Plan 3</b></p> <p><b><u>Implementation Plan</u></b></p> <ol style="list-style-type: none"> <li>1. Introduce Japanese culture to colleagues and friends in Vietnam</li> <li>2. Apply the system of consensus building of residents to the process of project development and technical or specialized activities</li> <li>3. Introduce advanced technologies, devices, and its effect on Japanese society, to friends in Vietnam and the world</li> <li>4. Apply consistent working system, supported or incorporated by scientists</li> </ol>
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Project implementing body: JTB Corp.