

Plant Variety Protection and DUS Testing

May 13 (Sun.)-June 2 (Sat.), 2018

Seongnam & Gimcheon, Republic of Korea

CONTENTS

PART I. Course Overview	03
PART II. Course Module	06
PART III. Preparation for Country Report	07
PART IV. Action Plan Building	09
PART V. Useful Information	11
Appendix 1. Introduction to KOICA	13
Appendix 2. KOICA Fellowship Program (CIAT)	14
Appendix 3. KOICA Fellowship Community	15
Appendix 4. Map and Venue Information	16
Appendix 5. Information on Direction to KOICA ICC	17

1. TITLE: Plant Variety Protection and DUS Testing**2. PERIOD: Mar 13(Sun.)-Jun 2 (Sat.), 2018****3. GOAL**

To Increase capacities for operating plant variety protection system and enhancing technical skills to examine characteristics of the varieties

4. OBJECTIVES

- a) To share Korea's experiences, contributing to the successful introduction and management of a plant variety protection system,
- b) To understand international convention for the protection of new varieties of plants and its relationship with other international treaties,
- c) To learn recent technological developments in DUS examination,
- d) To share latest information on the seed industry and plant variety protection among participating countries

5. NUMBER OF PARTICIPANTS: 18 participants

Costa Rica (3), Ghana (3), Guatemala (3), Peru (3), the Philippines (2), Republic of Moldova (2), Sudan (2)

6. LANGUAGE OF INSTRUCTION: English**7. VENUE: Seongnam & Gimcheon, Republic of Korea****8. TRAINING INSTITUTE: Korea Seed & Variety Service (<http://www.seed.go.kr>)****9. ACCOMMODATIONS: KOICA ICC, Hotel Logenir (Gimcheon),
Hotel Ramada (SEOGWIPO)**

10. QUALIFICATIONS OF APPLICANTS:

- a) Be a manager-level government employee from the Ministry of Agriculture with at least 2 years of work experience in the field of plant variety protection
- b) Work at organizations directly related to the plant variety protection and UPOV (International Union for the Protection of New Varieties of Plants)
- c) Have an excellent command of both spoken and written English
- d) Be in good health to take the course, under 45 years of age
- e) Have a willingness to show a high level of participation and commitment throughout the course to promote capacity building for his/her country

Country	Participating Organizations
Ghana	Plant Variety Protection Office, Ministry of Food and Agriculture
Guatemala	Plant Variety Protection Office, Ministry of Agriculture
Sudan	Plant Variety Protection Office, Ministry of Agriculture and Forests
Costa Rica	National Seed Office
The Philippines	Plant Variety Protection Office, Bureau of Plant Industry, Department of Agriculture
Republic of Moldova	State Commission for Crops Variety Testing and Registration, Ministry of Agriculture
Peru	National Seed Institute, New Technologies National Institute for the Competition and of the Protection of Intellectual Property (INDECOPi)

11. CLOSING DATE FOR APPLICATION: **April 13 (Fri.), 2018**

PART II**COURSE MODULE****1. COURSE MODULE**

MODULE	MAIN LECTURES & DISCUSSIONS	STUDY VISIT
Module 1. Seed Industry in Korea	<ul style="list-style-type: none">▷ Policy to foster the seed industry in Korea▷ Achievements and direction of food crop researches▷ Seed market and research for vegetable breeding	<ul style="list-style-type: none">- Foundation of Agri. Tech. Commercialization & Transfer- Asia Seed Company
Module 2. Plant Variety Protection System	<ul style="list-style-type: none">▷ Plant Variety Protection Law▷ Application and DUS examination in Korea▷ Examination for national listing	<ul style="list-style-type: none">- KSVS
Module 3. DUS Examination	<ul style="list-style-type: none">▷ DUS examination for plant breeders' rights - Wheat, Tangerine, Rose, Phalaenopsis etc.▷ Disease test of seeds and seedlings▷ Seed germination testing for DUS▷ Variety Identification using DNA markers	<ul style="list-style-type: none">- DUS Field- Seed Testing & Research Center
Module 4. UPOV and Its Convention	<ul style="list-style-type: none">▷ PVP under the UPOV convention▷ DUS examination: distinctness, uniformity, stability▷ TGP documents related to DUS testing▷ Relationship with other international treaties▷ Test guidelines for DUS	<ul style="list-style-type: none">- UPOV Distance Learning Course (DL-205, 305A & 305B certificates)
Module 5. Country Report	<ul style="list-style-type: none">▷ Country Report Presentation▷ Action Plan Workshop and Presentation	<ul style="list-style-type: none">-KSVS
EXTRACURRICULAR ACTIVITIES	<ul style="list-style-type: none">▷ Home Visiting▷ Jeonju Hanok Village Tour▷ Jeju Tour	

1. GUIDELINES ON PREPARATION FOR COUNTRY REPORT

A Country Report is an in-depth report that contains an analysis of the current development issues facing participants' countries in their fields of expertise. The KOICA's Fellowship Program includes a Country Report Presentation session where participants have an opportunity to share these issues with other participants and Korean experts. Throughout the course, participants will engage in debates and discussions to resolve them.

The Country Report is directly aligned with an Action Plan. Based on what participants have presented and discussed throughout the course, participants are requested to present an Action Plan towards the end of the program with an aim of developing feasible measures to apply the knowledge, technology and experience learned to their workplace.

Program participants are requested to prepare and submit their country report individually or as a group to the KSVS (Korea Seed & Variety Service) Training Manager via e-mail at ski760@korea.kr no later than [April 27, 2018](#).

Note. The KOICA's Fellowship Program includes a 'Country Report' session where participants have an opportunity to analyze the current status and circumstances of their own country as the program subject and share it with other participants and Korean experts. It aims to provide appropriate solutions on and insights into the identified problems and issues of their countries.

The Country Report should be typed in English and double-spaced in MS PowerPoint or Word format. The length of the report should not exceed twenty A4-sized pages.

All participants are supposed to make a 15-minute presentation on their Country Report individually or as a group on the second day of the program. For more effective presentations, a projector, slide projector, overhead projector, and multimedia TV will be available for use. (PowerPoint presentations are preferred).

2. TOPICS TO BE COVERED IN THE COUNTRY REPORT

On the second day of the program, all participants will make an individual or group presentation titled "Country Report" following the guidelines below:

Based on what you have presented and discussed throughout the course, you are requested to present an action plan on the last week of the course.

A. Details of Country Report Preparation

● Seed industry overview

- Harvested area, production and yield of major crops
(Agricultural produce, vegetable, oilseeds, etc)
- Seed market growth status (import and export)
- Major vegetables and their characteristics, breeding trends
- Global seed companies in participating countries and their crops

● Strategic policies

- Describe government policies or guidelines on the above subjects.
(Short-term or long-term plans: goals, priorities, strategies, etc.)

● Status of plant variety protection

- Key provisions of PVP legislation
- Statistics of protected varieties, application, applicants, etc.
- Examination procedure and DUS testing, fee schemes
- Application procedure for the national listing system
- Variety breeding status

1. GUIDELINES FOR BUILDING AN ACTION PLAN

An Action Plan is a specific plan created by participants on how they can apply their learning to their work performance. Action Planning is a process which will help them identify their objectives and explore what steps they need to take to achieve their goals. Establishing and implementing the Action Plan will contribute not only to their development professionally and individually but also to desirable organizational change.

A good Action Plan contains detailed information like what can be done, who will do it, and how and when. Please keep in mind that meeting the financing requirement including budget and timeline is crucial to make their action plan feasible and applicable to their workplaces.

All participants are requested to make a presentation on their Action Plan individually or as a group at the end of the course. They are encouraged to make the most of their weekends and free time to further their knowledge acquired from the course and better build their Action Plan.

Participants can receive feedback from Korean experts who will share their insight and help upgrade the Action Plan. Even after participants return to their home countries, KOICA will continue to follow up with participants on the progress being made through the implementation of their Action Plan. KOICA looks forward to all participants achieving their desired outcomes.

2. TOPICS TO BE COVERED IN THE ACTION PLAN

- a) This is the 3rd year of our course. KSVS will send the action plans developed by the 1st and 2nd year participants to each participant to help him/her understand various problems facing many other countries in operating a plant variety protection system.
- b) All participants are requested to prepare and submit their own action plan draft **by April 27** before coming to Korea.
- c) Devise the best way to improve the PVP system and transfer knowledge gained through this course to your colleagues after returning to your home countries.
- d) Consider how it will affect the current problems and what advantages it will bring in the future.

3. STEPS FOR THE ACTION PLAN

• [Step 1] Drafting of an Action Plan (April 27)

- Draft an individual action plan reflecting the action plan built by previous participants

* KSVS will provide 1st & 2nd year action plans to participants for your reference.

• [Step 2] Present a Country Report (May 16)

- On the 3rd day of the course, participants are to share their current situation and issues of their interest through the Country Report presentation

• [Step 3] Lecture on Action Plan and Team-building (May 17, 25, 30)

- Lecture on Action Plan building process and team-building according to the selection of Action Plan topic
- Consult with experts and receive feedbacks
- Brainstorming and group discussions for developing an Action Plan

• [Step 4] Complete the Action Plan (May 31)

- Finalize an Action Plan for the development of new policies/programs or upgrade their existing policies, systems and practices
- Presentation on the final Action Plan and getting feedback

1. TRAINING INSTITUTE

Korea Seed & Variety Service (KSVS) (<http://www.seed.go.kr>)

The Korea Seed & Variety Service is a subsidiary organization under the Ministry of Agriculture, Food and Rural Affairs (MAFRA) of the Korean government. KSVS has 5 main functions, supplying nationally certified agricultural crops, supervising circulation of high quality seeds, DUS (Distinctness, Uniformity and Stability) testing for plant breeders' rights, VCU (Value for Cultivation and Use) testing for the national list and seed quality assurance.

KSVS was established in 1974 as a government organization to supply the nationally certified seeds of food crops. The government granted our organization the authority to manage the PVP system in Korea. The Seed Industry Law was enacted in 1995 and went into effect in December 1997. In 2002, Korea joined UPOV as the 50th member country based on the 1991 UPOV convention. KSVS has built a 16-year history of plant variety protection and the number of our applications is the 7th highest out of 74 UPOV member countries. (Standards 2016).

KSVS holds its headquarters and 10 provincial offices. The headquarters has five divisions such as Administration & Planning Division, Seed Business Assistance Div., Seed Production and Distribution Div., Plant variety Protection Div., and Seed Testing and Research Center. Four of the ten branch offices such as Dongbu, Seobu, Jeju and Gyeongnam offices handle DUS testing for plant variety protection. Seven of them such as Gangwon, Chungbuk, Chungnam, Jeonbuk, Jeonnam, Gyeongbuk and Gyeongnam offices deal with the production and distribution of the nationally certified seeds. Each office has its own facilities for seed processing and storage. Gyeongnam office has services for both of the field testing and the production and distribution of certified seeds. The participants visit plant variety protection division and seed testing center, and Gyeongnam office for DUS practices.

2. CONTACT INFORMATION

- **Korea International Cooperation Agency (KOICA)**

- CIAT Program HOT Line: +82-1899-4519
- Websites: <http://www.koica.go.kr>
<http://training.koica.go.kr>
<http://www.facebook.com/koica.icc>

- **Program Manager: Ms. Jinmin LEE**

- Phone: +82-31-740-0586
- Fax: +82-31-740-0595
- E-mail: jinmin.lee@koica.go.kr

- **Program Coordinator: Ms. Hoomi LEE**

- Phone: +82-31-777-2645
- Fax: +82-31-777-0996
- E-mail: hoomi@global-inepa.org

- **Korea Seed & Variety Service**

- **Program Manager: Ms. Heeyoung CHEN**

- Phone: +82-54-912-0170
- Fax: +82-54-912-0175
- E-mail: hyjun@korea.kr
- Home page: <http://www.seed.go.kr>

- **Program Manager: Ms. Kyoungin SEO**

- Phone: +82-54-912-0171
- Fax: +82-54-912-0175
- E-mail: ski760@korea.kr
- Home page: <http://www.seed.go.kr>

Appendix 1.

INTRODUCTION to KOICA



is a development cooperation agency of the Republic of Korea established in 1991. KOICA's mission is to reduce poverty, promote living standards and help realize sustainable, equitable and inclusive development in developing countries. To accomplish its mission, KOICA has been actively involved in enhancing developing countries' socio-economic infrastructure and institutions, providing people in the developing world with opportunities for better lives and improving their well-being.

KOICA Fellowship Program

Human Resource Development (HRD) has been one of the most important factors in Korea's escape from the vicious cycle of poverty and underdevelopment which had lasted for many decades. With scarce natural resources, HRD has played a vital role in the process of the economic development of Korea, enabling the nation to emerge as an exemplary case of rapid economic growth powered by HRD. From its own experience, Korea fully recognizes the significance of HRD. With its extensive experience and know-how in HRD, Korea has greatly contributed to the international community by sharing its unique development experience with many other countries around the world.

The KOICA Fellowship Program is one of KOICA's main projects to help partner countries secure human resources for their development. Its primary objective is to share important technical skills and knowledge with partner countries as well as to help them build capacity for sustainable socio-economic development. The program deals with a wide range of topics, from public administration, economic development and science and technology to agriculture, health, and more. In order to meet the changing needs of partner countries, KOICA always strives to renovate and improve its Fellowship Programs.

Appendix 2.

KOICA FELLOWSHIP PROGRAM (CIAT)

KOICA has launched a brand-new name for the KOICA Fellowship Program in order to more effectively raise awareness about the program among the public and its partner countries.



In English, CIAT stands for Capacity Improvement and Advancement for Tomorrow and in Korean it means “seed (씨앗)” with hopes to contributing to the capacity development of individual fellows as well as the organizations and countries to which they belong.

The CIAT Program provides participants with opportunities to gain first-hand knowledge of Korea’s development experience. The programs are designed to enable participants to apply what they have learned for the development of their home countries. Since 1991, KOICA has offered about 4,512 courses to more than 74,792 participants from 172 countries.

Appendix 3.

KOICA FELLOWSHIP COMMUNITY

The Fellows' Facebook is a place for fellows to ask questions and write comments on KOICA fellowship programs. So, if you have questions regarding our program, please feel free to join our Facebook community.



facebook.com/koica.icc

Appendix 4.

MAP AND VENUE INFORMATION



Appendix 5.

INFORMATION ON DIRECTION TO KOICA ICC

- **Route:** Incheon International Airport Terminal → Korea City Airport, Logis & Terminal (CALT)
→ KOICA International Cooperation Center (ICC)
- **Arrival at Incheon International Airport** (<http://new.airport.kr>)

Flow

- ▶ Fill out Arrival Card (or Immigration Card), Customs Declaration Form, and Quarantine Questionnaire (on board)
- ▶ Present the Quarantine Questionnaire to the quarantine counter (on the second floor)
- ▶ Present your Arrival Card, Passport and other necessary documents to an officer at the immigration desk
- ▶ Claim your baggage on the first floor
- ▶ Hand in Customs Declaration Form at Customs
- ▶ Pass through the Arrival Gate
- ▶ Go to the KOICA Counter



Incheon International Airport opens *Second Passenger Terminal 2 (T2)*

on January 18, 2018

The new terminal is serviced by Korean Air (), KLM Royal Dutch Airlines

(), Air France () and Delta Airlines ().

Accordingly, KOICA sets up an additional KOICA Counter in Terminal 2 as well. Please check its location in advance by referring to the followings information.

KOICA Counter at Incheon International Airport Terminal 1 (IIAT1)		
IIAT (T1)		<p>Location : Next to Gate 1 on the 1st floor (No.9-10)</p> <p>Contact Information Tel. : 82-32-743-5904 Contact : Ms. Jin-Young YOON</p>
KOICA Counter at Incheon International Airport Terminal 2 (IIAT2)		
IIAT (T2)		<p>Location : Tourist Information Center (Close to Arrival Gate B)</p> <p>Contact Information Tel. : 82-32-743-5904 Contact : Ms. Jin-Young YOON</p> <p><small>*Contact information at T2 is subject to change.</small></p>

- After passing through Customs, please go to the KOICA Counter. At the KOICA Counter, you can get detailed information about how to get to the KOICA International Cooperation Center (ICC) and receive a limousine bus ticket for City Airport, Logis & Travel (CALT).
- All the KOICA staff at the Incheon Airport wear a name tag or has a sign for indication.
- Even though you cannot find any KOICA staff at the counter, you can purchase a limousine bus ticket at the bus ticket counter. After purchasing it, please go to the CALT Bus Stop (refer to the following information), get on the bus #6103 and present your ticket to the bus driver. It will take about 70 to 90 minutes from IIAT 1 and about 90 to 110 minutes from IIAT 2 to CALT.

Incheon International Airport Terminal 1 (IIAT1)	Limousine Bus
--	---------------

IIAT 1	Bus ticket counter : 1 st floor / Bus Stop 7A	# 6103
Incheon International Airport Terminal 2 (IIAT2)		
IIAT 2	Bus ticket counter : Basement 1 / Bus Stop 22	

• **CALT (City Airport, Logis & Terminal)**

- When you arrive at CALT, you can meet another KOICA staff who will help you reach the KOICA ICC.
- If you paid for a limousine bus ticket out of your own pocket, KOICA will reimburse the bus fare when you arrive at the KOICA ICC. Also, please note that there can be illegal taxis at the airport. Even if they approach you to offer rides, do not take the illegal taxis and check to see if they are KOICA staff.

"Please remember to read the Fellows' Guidebook. It is available from the Korean Embassy or KOICA Overseas Office in your country and provides valuable information regarding KOICA programs, allowances, expenses, regulations, preparations for departure and etc."