

Plant Variety Protection and DUS Testing

May 16 (Mon.) – June 5 (Sun.), 2016
Seongnam & Gimcheon, Korea

CONTENTS

PART I. Program overview	04
PART II. Program module	07
PART III. Preparation for country report	08
PART IV. Preparation for action plan	10
PART V. Useful information	11
Appendix 1. Brand name of the KOICA Fellowship Program	14
Appendix 2. Fellows' Facebook & Twitter	15
Appendix 3. Map of Korea	16
Appendix 4. How to get to the KOICA ICC	17

KOICA & CIAT

KOICA

The Korea International Cooperation Agency (KOICA) is a development aid agency of the Republic of Korea which was 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, empowering and providing the people of the developing world with opportunities for better lives and improving their well-being.

CIAT (Capacity Improvement & Advancement for Tomorrow) Programs

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 existed for many decades. With scarce natural resources, HRD played a vital role in Korea's development; thus, Korea has emerged as an exemplary showcase of national development powered by HRD. From its own experience Korea came to fully recognize the significance of HRD. With extensive experience and know-how in HRD, Korea contributes greatly to the international community by sharing its unique development experience with other countries.

The CIAT Program provides opportunities to participants to gain first-hand knowledge of Korea's development experience. The programs are designed to enable the participants to apply what they have learned for the development of their home countries. Since 1991, KOICA has offered about 3,400 courses to more than 53,000 participants from 173 countries. There are a wide range of topics in the Program, including public administration, economic development, science and technology, agriculture and health, etc. In order to meet the changing needs of partner countries, KOICA always strives to renovate and improve its HRD programs.

Part I

PROGRAM OVERVIEW

1. Title: Plant Variety Protection and DUS Testing

2. Duration: May 16 (Mon.) – June 5 (Sun.), 2016

3. Objectives

- a) To share Korea's experiences contributing to successful introduction and management of Plant Variety Protection System
- b) To understand the 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 exchange the recent information on seed industry and plant variety protection among the participating countries

4. Number of Participants

16 participants from 8 countries:

Ghana (2), Guatemala (2), Sudan (2), Costa Rica (2), Solomon Islands (2), Republic of Moldova (2), Tanzania (2), Peru (2)

5. Medium of Instruction: English

6. Venue: Seongnam & Gimcheon, South Korea

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

**8. Accommodations: KOICA ICC (Seongnam),
Hotel Logenir (Gimcheon)**

9. Qualifications of Applicants:

Mandatory	<ul style="list-style-type: none"> a) Be nominated by his/her government; b) Be in good health both physically and mentally, to undergo the course; c) Has not participated in the same KOICA fellowship program in the past 3 years - unless otherwise specified; d) Show a high level of participation and commitment throughout the course and promote capacity building in his/her organization after the completion of the program e) Work at organizations directly related to plant variety protection and UPOV(International Union for the Protection of New Varieties of Plants)
Preferable	<ul style="list-style-type: none"> a) Be a government employee in a managerial position b) Sufficient proficiency in spoken English

	Ghana	Guatemala	Sudan	Costa Rica
Participating Organization (No. of Participants)	Plant Variety Protection Office, Ministry of Food and Agriculture (2)	Plant Variety Protection Office, Ministry of Agriculture (2)	Plant Variety Protection Office, Ministry of Agriculture and Forests (2)	Oficina Nacional de Semillas (National Seed Office) (2)
	Solomon Islands	Republic of Moldova	Tanzania	Peru
Participating Organization (No. of Participants)	Plant Variety Protection Office, Ministry of Police and Justice Registrar-General's Office (2)	State Commission for Crops Variety Testing and Registration Ministry of Agriculture (2)	Tanzania Official Seed Certification Institute (TOSCI), Ministry of Agriculture (1) Ministry of Agriculture and Natural Resources, Zanzibar (1)	Dirección de Inventiones y Nuevas Tecnologías Instituto Nacional de Defensa de la Competencia y de la Protección de la Propiedad Intelectual (INDECOPI) (2)

10. Closing Date for Application: April 13, 2016

11. 3-year Program Overview (tentative)

Phase	Year 1 (2016)	Year 2 (2017)	Year 3 (2018)	To-be Planned
Overall Goal	-Capacity building for DUS field trials -Operating PVP system under the UPOV convention			-Becoming UPOV member -Encouraging the development of new varieties of plants
Major Target Beneficiary	-DUS examiners or PVP administration staff			
Main Activities	Training in Korea (3 wks)	-Training in Korea (3 wks); -Awareness seminar	-Training in Korea (3 wks); -DUS seminar in target countries (5 days)	-Monitoring PVP system in each country
Phase Objective	Capacity building for DUS tests based on general comprehension of PVP system under the UPOV convention	Capacity building for DUS tests, trial design and data processing	Capacity building for DUS tests and administration of application for plant breeder's right	
Phase Outcome	-Action plan -UPOV DL-205 Certificates -Pilot project Proposals	-Revised action plan -UPOV DL-205 certificates -Pilot project proposals -On site training report	-Revised action plan -UPOV DL-205, 305A & 305B certificates -On site training report	-UPOV membership -Promoting an effective system for the protection of plant breeder's right

Part II**PROGRAM CONTENTS****1. PROGRAM MODULE**

Module	Main Lectures & Discussions	Study Visit
Module 1. Understanding of PVP Law and Plant Breeding in Korea	<ul style="list-style-type: none">▷ Plant Variety Protection Law▷ Strategy for Seed Industry Takeoff▷ Examination for national listing	- PVP Division, KSVS
Module 2. 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	
Module 3. DUS Examination	<ul style="list-style-type: none">▷ DUS crops<ul style="list-style-type: none">- Corn, Potato, Rose, Orchid, Wheat, Pepper, Lettuce▷ DNA analysis for variety testing▷ Disease test of seeds and seedlings▷ Action planning, Country report presentation	- Gyeongnam office - Breeding Company (Phalaenopsis) - Seed companies
Cultural Experience	<ul style="list-style-type: none">▷ Home Visiting Program▷ Seoul City Tour	

1. GUIDELINES FOR THE PREPARATION OF THE COUNTRY REPORT

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 **sk81@korea.kr** no later than **April 20, 2016.**

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

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

All participants are required to give a 15-minute presentation on their country report individually or as a group. For more effective presentations, a projector, slide projector, overhead projector, and multimedia TV will be available (PowerPoint presentations are preferred).

2. TOPICS TO BE COVERED IN THE COUNTRY REPORT

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 courses, you are requested to present an action plan in the third week of the course.

Details of Country Report Preparation

• Generals in seed industry

- Harvested area, production and yield of major crops
(agricultural, vegetable, oilseeds, etc.)
- Seed market growth status (import and export)
- Seed demand and the use of certified seed of rice, etc.
- R & D center and breeding trends
- Global seed companies in participating country 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 provision of PVP legislation
- Statistics of protected varieties, application, applicant, etc.
- Examination procedure and DUS testing, fee schemes
- Processing of application for national list
- Status of national variety breeding

1. GUIDELINES FOR PREPARATION OF THE ACTION PLAN

All participants are requested to prepare a presentation on their action plan individually or as a group at the end of the course. The action plan is to identify each country's current problems and propose appropriate solutions in order to solve these problems.

The participants are encouraged to make the most of their weekends and leisure time to further their knowledge acquired from the program and better prepare their presentation for the action plan.

2. TOPICS TO BE COVERED IN THE ACTION PLAN

- a) Identify one problem (subject) related to each country's current situation of conflicts in operating a plant variety protection system.
- b) Devise the best way to solve the problem and make proposals.
- c) Consider how it will affect the current problem and what advantages it will bring in the future.
- d) In addition, describe the personal actions to develop the proposals and share the acquired knowledge.

1. IMPLEMENTING AGENCY

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) in the Korean government. KSVS has 5 main functions, supplying nationally certified agricultural crops, supervising circulation of high quality seeds, DUS testing for plant breeders' rights, VCU testing for national list and seed quality assurance.

KSVS started from 1974 as a government organization to supply the nationally certified seeds of food crops. The government gave our organization the duty to manage the PVP system in Korea. The Seed Industry Law was enacted in 1995 and has been implemented since December of 1997. In 2002, Korea joined UPOV as the 50th member country based on the 1991 UPOV convention. KSVS has a 16-year history of plant variety protection now and the number of our application is the 8th highest out of 72 UPOV member countries.

KSVS holds a 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. REGULATIONS

- Participants should participate in the program to the best of their abilities
- Participants should refrain from engaging in political activities or any form of employment for profit or gain
- Participants must return to their home country upon completion of the program and resume work in their country
- Participants should not extend the length of the program or stay for personal convenience
- Participants are not permitted to change the flight schedule arranged by KOICA for personal convenience
- Participants should not be accompanied by any member of their family
- Participants are to assume responsibility for any personal expenses incurred regardless of implementation of the course
- Participants are required to strictly observe the course schedule and abide by the rules and regulations stipulated by the Korean government in respect to the program
- Participants should cooperate in preventing any sexual harassment and attend a short training session regarding 'Sexual Harassment Prevention' on the first day of KOICA orientation.

3. CONTACT INFORMATION

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

- **Program Manager:** Ms. Hyung-won LEE
- Phone: +82-31-740-0419
- Fax: +82-31-740-0684
- E-mail: leeh@koica.go.kr
- Websites: <http://www.koica.go.kr>
<http://training.koica.go.kr>
<http://www.facebook.com/koica.icc>

- **Program Coordinator: Seokrak KIM**

- Phone: +82-31-777-2676
- Fax: +82-31-777-2680
- E-mail: rak@global-inepa.org

- **Name of the Implementing Agency**

- **Training Manager : Sanggeum Lee(Ms.)**
- Phone: +82-54-912-0171
- Fax: +82-54-912-0175
- E-mail: sk81@korea.kr
- Home page: <http://www.seed.go.kr>

Appendix 1.

Brand Name of the KOICA Fellowship Program

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 in the capacity development of individual fellows as well as the organizations and countries to which they belong.



Appendix 2.

[facebook.com/koica.icc](https://www.facebook.com/koica.icc)

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.



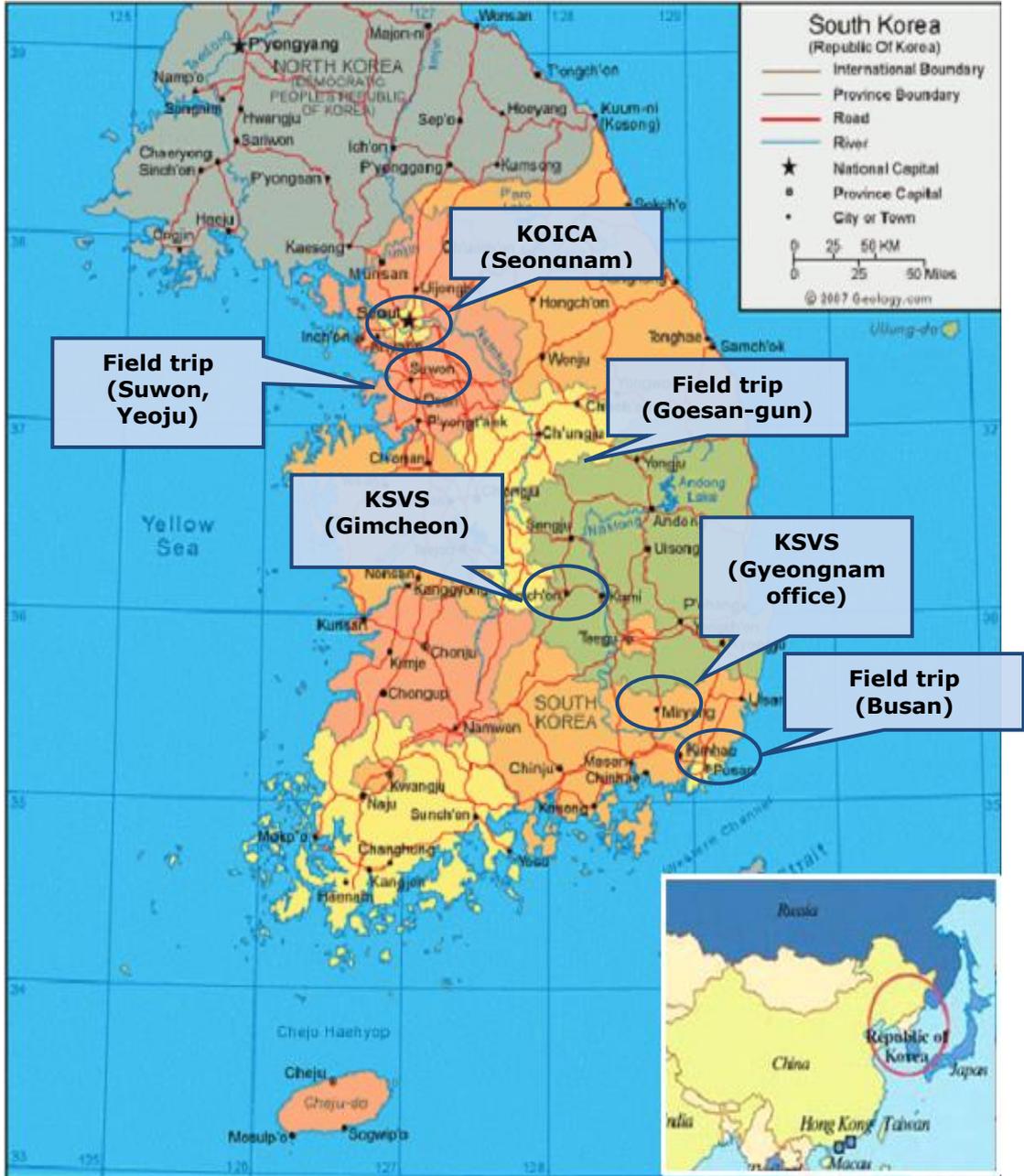
twitter.com/koica.icc

Do you have a Twitter account? It seems everyone does these days. If you have a Twitter account, be sure to follow us @koica_icc



Appendix 3.

Map of Korea



Appendix 4.

HOW TO GET TO THE KOICA ICC

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

Flow:

- ▶ Fill out Arrival Card (or Immigration Card), Customs Declaration Form, Quarantine Questionnaire (on board)
- ▶ Quarantine including animals and plants (on 2nd Floor)
- ▶ Present your Arrival Card, Passport and other necessary document to Passport Control
- ▶ Claim baggage on 1st Floor
- ▶ Customs Clearance
- ▶ Pass an Arrival Gate
- ▶ Go to the KOICA Counter, which is located between Exit 1~2

• **KOICA Counter at Incheon airport**



Location : Next to Exit 1 on the 1st
floor (No.9- 10)
Tel. : 82-32-743-5904
Mobile : 82-(0)10-9925-5901
Contact : **Ms. Jin-Young YOON**

- After passing through Customs Declaration, please go to the KOICA Counter (located between exit 1~2) at Incheon Airport. At the KOICA Counter, you can get detailed information about how to get to KOICA International Cooperation Center (ICC) and purchase limousine bus ticket for City Airport, Logis & Travel (CALT).
- All the KOICA staff at the Incheon Airport wears nametags or has signs for indication. If you cannot meet the KOICA staff at the counter, please purchase a limousine bus ticket from the bus ticket counter (located on the 1st Floor), and go to CALT Bus Stop No. 4A (or 10B). Please find the bus number 6103 and present your ticket to the bus driver. From Incheon Airport to CALT, the approximate time for travel will be between 70 to 90 minutes. When you arrive at CALT, you will find another KOICA staff who will help you reach the KOICA ICC. KOICA will reimburse the limousine bus fare when you arrive at KOICA ICC. Also, please be aware that there may be illegal taxis at the airport. Even if they approach you first, please do not take illegal taxis and check to see if they are KOICA staff.

• **KOICA Counter at CALT airport**



Location : Lounge on the 1st floor of
CALT airport
Mobile : 82-(0)10-9925-5901

- If the limousine bus is not available due to your early or late arrival from 22:00 to 05:30.
 - Please contact the KOICA ICC reception desk
(Tel. 031-777-2600 / English announcement service is available 24 hours daily)
 - The staff at the KOICA ICC reception desk will let you know how to use a taxi. The taxi fare from the airport to KOICA ICC is normally 90,000 Won.
- ※ KOICA won't reimburse the taxi fare if you use a taxi during the hours of 05: 30 ~ 22:00.

• **From Incheon International Airport to the KOICA ICC through CALT**

- Take a City Air limousine bus at bus stop No.4A on the 1st Floor. Buses run every 10~15 minutes between the hours of 5:30 and 22:00.
- Meet the KOICA staff at the lounge on the 1st Floor of CALT upon arrival.
- Take a car arranged by the KOICA staff to the KOICA ICC (Expected time: 20 minutes)

"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."