

Plant Variety Protection and DUS Testing

May 15 (Mon.) – June 10 (Sat.), 2017

Seongnam & Gimcheon, the Republic of Korea



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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 4,200 courses to more than 70,000 participants from 172 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 15 (Mon.) – June 10 (Sat.), 2017

3. Goal

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

4. 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

5. Number of Participants:

16 participants from 8 countries:

Costa Rica (3), Ghana (2), Guatemala (3), Peru (3), Philippines (1)

Republic of Moldova (2), Solomon Islands (1), Sudan (1),

6. Language of Instruction: English

7. Venue: Seongnam & Gimcheon, the Republic of Korea

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

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

Hotel Ramada (Suwon)

10. Qualifications of Applicants:

- a) Be a government employee in a managerial position with at least 2 years working experience in the field of plant variety protection, Ministry of Agriculture
- 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 undergo the course, under 45 years of age
- e) Show a high level of participation and commitment throughout the course to promote the capacity building in the participating country

	Ghana	Guatemala	Sudan	Costa Rica
Participating Organization (No. of Participants)	Plant Variety Protection Office, Ministry of Food and Agriculture	Plant Variety Protection Office, Ministry of Agriculture	Plant Variety Protection Office, Ministry of Agriculture and Forests	Oficina Nacional de Semillas (National Seed Office)
	Solomon Islands	Republic of Moldova	Peru	Philippines
Participating Organization (No. of Participants)	Plant Variety Protection Office, Ministry of Police and Justice Registrar-General's Office	State Commission for Crops Variety Testing and Registration Ministry of Agriculture	Dirección de Invenciones y Nuevas Tecnologías Instituto Nacional de Defensa de la Competencia y de la Protección de la Propiedad Intelectual (INDECOPI)	Plant Variety Protection Office, Bureau of Plant Industry, Department of Agriculture

11. Closing Date for Application: April 20, 2017

12. 2-year Program Overview (tentative)

Phase	Year 1 (2017)	Year 2 (2018)	To-be Planned
Overall Goal	-Operating PVP system under the UPOV convention - Capacity building for DUS field trials		-Becoming UPOV member -Encouraging the development of new varieties of plants
Major Target Beneficiary	PVP manager DUS junior examiner	Head of PVP office DUS senior examiner	
Main Activities	-Training in Korea (4 wks)	Training in Korea (4 wks)	-Monitoring PVP system in each country
Phase Objective	-Understanding PVP system under the UPOV convention -Capacity building for DUS tests	-Understanding PVP system under the UPOV convention -Establishment of short- and mid-term development plan	-Enhance awareness on PVP system and plant breeder's right -Strengthen capacity of DUS technical skills in a target country
Phase Outcome	-Revised action plan -UPOV DL-205 certificates	-Final action plan -UPOV DL-205, 305A & 305B certificates - Pilot project proposals	-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. Seed Industry in Korea	<ul style="list-style-type: none"> ▷ Strategy for seed industry takeoff in Korea ▷ Achievements and direction of food crop researches ▷ Seed market and research for vegetable breeding 	<ul style="list-style-type: none"> - Nongwoo R&D Center - Joeun Seeds - Gimje Seed Valley - Research Institute of Climate Change and Agriculture
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 	
Module 3. DUS Examination	<ul style="list-style-type: none"> ▷ DUS examination for plant breeders' rights <ul style="list-style-type: none"> - Potato, rose, wheat, rape, tangerine, orchid, and corn ▷ Breeding of orchid and rose ▷ Disease test of seeds and seedlings ▷ Seed germination testing for DUS 	<ul style="list-style-type: none"> - DUS Stations - Seed Testing Center - Breeding institutes (Rose, Orchid)
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)
Module 5. Country Report	<ul style="list-style-type: none"> ▷ Country Report Presentation ▷ Action Plan Workshop and Presentation 	
Cultural Experience	<ul style="list-style-type: none"> ▷ Home visiting, Korean Food Experience, Bowling ▷ Jeju Tour, Samsung Innovation Museum 	

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 **92sujin@korea.kr** no later than **April 27, 2017.**

Note. The KOICA's Fellowship Program includes a 'Country Report' session where participants have an 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 will be available (PowerPoint presentations are preferred).

2. TOPICS TO BE COVERED IN THE COUNTRY REPORT

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

A. 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)
- Major vegetables and those 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 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

Part IV	PREPARATION OF ACTION PLAN
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1. GUIDELINES FOR PREPARATION OF THE ACTION PLAN

All participants are requested to prepare a presentation on their action plan individually at the end of the course.

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) KSVS will send the action plans of 2016 to each participant to understand various problems related to each country's current situation of conflicts in operating a plant variety protection system.
- b) All participants are requested to make his/her own action plan before leaving to Korea.

- c) Devise the best way to improve PVP system in his/her position and convey the information acquired through this course to colleagues after returning to his/her home country.
- 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] Draft of action plan**
 - Make an individual action plan draft reflecting the last action plan of 2016 participants
 - KSVS will provide the action plan made in 2016 by all the participants.
- **[Step 2] Present Country Report (May 18)**
 - On the 3th day of the course, participants are to share their current situation and issues of their interests through Country Report presentation
- **[Step 3] Lecture on Methodology / Grouping (May 24, 29, 31)**
 - Lecture on Action Plan methodology and form Action Plan working groups
 - Consult with experts and receive feedbacks
 - Brainstorm and discuss in groups for developing an Action Plan
- **[Step 4] Complete Action Plan (June 6)**
 - Establish an Action Plan for new development/upgraded policies or programs
 - Presentation on the final Action Plan and feedback

4. SIGNIFICANCE OF THE ACTION PLAN

The action plan is to identify the present status for operating plant variety protection system in a participating country and share our experience with participants to find a practical way in the level of government officials.

All participants should prepare a feasible and sustainable Action Plan based on lectures and practices on the plant variety protection system.

By establishing a practical action plan tailored to each country's needs, participants will have an opportunity to review their system on plant variety protection in the short term. The individual plan will be made up by sharing with colleagues and international experts.

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 from 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 7th highest out of 74 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 activity 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. Jinmin LEE**
 - Phone: +82-31-740-0586
 - Fax: +82-31-740-0595
 - E-mail: jinmin.lee@koica.go.kr
 - Websites: <http://www.koica.go.kr>
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<http://www.facebook.com/koica.icc>

- **Program Coordinator: Mr. Sang-jun HAN**

- Phone: +82-31-777-2644
- Fax: +82-31-777-2631
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- **Name of the Implementing Agency**

- **Program Manager(1): Ms. Oksun KIM**

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

- **Training Manager(2): Ms. Sujin GO**

- Phone: +82-54-912-0171
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- 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

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.



Appendix 3.

Map of Korea



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 International 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 International Airport. At the KOICA Counter, you can get detailed information about how to get to KOICA International Cooperation Center (ICC)
- All the KOICA staff at the Incheon International Airport wears nametags or has signs for indication. 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.

"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."