

Technology Sharing Program on the Legal & Technical Requirements for Introducing National Offender DNA Database

(DURATION) August 24 (Thurs.) - September 14 (Thurs.), 2017
Seoul, Republic of Korea



Korea International Cooperation Agency



Supreme Prosecutors' Office

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1. TITLE: Technology sharing program on the legal & technical requirements for introducing national offender DNA database

2. DURATION: August 24 (Thurs.) - September 14 (Thurs.), 2017

3. GOAL

To increase capacities for planning and implementing various strategic policies with regard to National offender DNA database.

4. OBJECTIVES

The main objective of this program is to introduce expert knowledge about national offender DNA database and related technical know-how.

- a) To understand various activities and policies on the Korean DNA database management;
- b) To learn recent technological developments in DNA analysis;
- c) To learn the procedures for DNA database management;
- d) To exchange the views on current technical issues addressed at International Society for forensic Genetics (ISFG) symposium related to DNA analysis and DNA database management fields;
- e) To strengthen future cooperation in the DNA analysis areas among the participating countries.

5. NUMBER OF PARTICIPANTS: 24 participants from 10 countries

Azerbaijan (3), Colombia (2), Jamaica (3), Nepal (2), Republic of India (3), Republic of the Philippines (2), Republic of the Union Myanmar (2), Sri Lanka (2), Uzbekistan (3), Vietnam (2),

6. LANGUAGE OF INSTRUCTION: English

7. VENUE: Seoul, Republic of Korea

8. TRAINING INSTITUTE: Supreme Prosecutors' Office (<http://www.spo.go.kr>)

9. ACCOMMODATIONS: KOICA ICC

10. QUALIFICATIONS OF APPLICANTS:

- This is a one-year course to support the introduction or management of DNA database. It is aimed at officials with 3~5 years of relevant work experience with basic knowledge of DNA analysis and middle manager level officials of the central government who can establish and implement policies related to DNA database introducing and management based on the knowledge and experience obtained throughout this course.

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 or similar KOICA fellowship program in the past 3 years - unless otherwise specified;D) Public experts in the field of forensic DNA examination; minimum 3 years of DNA analysis work experience.E) Public officials in managerial positions related to establishing policies for scientific investigation;F) Target ministries or organizations; see Appendix 6;G) One(or two) DNA examiner and one manager official must be paired;H) Sufficient proficiency in written and spoken English to actively participate in seminars and write an Action Plan;I) 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.
Preferable	<ul style="list-style-type: none">a) Other preferable qualification:<ul style="list-style-type: none">- Understanding the molecular biology of DNA analysis (STR, PCR, Capillary Electrophoresis, etc.)- Understanding DNA analysis methods (DNA extraction, DNA quantification, PCR amplification, GeneMapper Software, etc.)b) The member of International Society for Forensic Genetics (ISFG)c) Working knowledge of computers and PowerPoint software

	Participating Country (# of person)	Participants' Organization
1	Azerbaijan (3)	- Ministry of Internal Affairs, Department of Criminalistic Investigations, Human DNA Identification Laboratory, Baku, Azerbaijan - Forensic Science Centre of Ministry of Justice
2	Uzbekistan (3)	- Institute of Genetics and Plant Experimental Biology, Academy of Sciences of Uzbekistan, Yuqori Yuz 102151, Republic of Uzbekistan
3	Republic of India (3)	
4	Jamaica (3)	- The University of the West Indies Mona Campus, Jamaica
5	Republic of the Philippines (2)	- DNA Analysis Laboratory, Natural Sciences Research Institute, University of the Philippines, Diliman, Quezon City, Philippines PDEA-NHQ, Barangay Pinyahan, Quezon city, Philippines - NBI Southeastern Mindanao Regional Office, Davao city, NBI region XI, Philippines - National Bureau of Investigation - Philippines National Police Crime Laboratory
6	Republic of the Union Myanmar (2)	- Director and head of DNA Department , Myanmar police force
7	Sri Lanka (2)	- Department of Chemistry, University of Colombo, Sri Lanka - Senior Professor of Forensic Medicine and Toxicology Faculty of Medicine, University of Colombo, Sri Lanka - Government analyst department of Sri Lanka - Sri Lanka Police Department Science of Crime Office Training Complex
8	Vietnam (2)	- Ministry of Public Security and the Vietnam Academy of Science and Technology - National Institute of Forensic Medicine, Ministry of Health, Vietnam - Biomedical and Genetics Department, Hanoi Medical University, Vietnam - Deputy director general of standing office on drug and crime - People's police academy of Vietnam Forensic Science Institute
9	Colombia (2)	- Departamento de Criminalística Direccion Nacional Cuerpo Tecnico de Investigacion, Fiscalia General de la Nacion
10	Nepal (2)	- Central Police Forensic Science Laboratory

11. CLOSING DATE FOR APPLICATION: July 31, 2017

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

MODULE	MAIN LECTURES & DISCUSSIONS	STUDY VISIT
Module 1. Introduction of DNA Analysis Technology and DNA-DB Operation Program	<ul style="list-style-type: none">▷ Attending the 27th International Society for Forensic Genetics (ISFG) symposium▷ Introduction of new technologies for DNA: New technology developed by Korea▷ Introduction Korean DNA database operation program	<ul style="list-style-type: none">- Coex(Seoul)- NDFC(Seoul)
Module 2. Understanding the DNA-DB System and Share Korea's Experience	<ul style="list-style-type: none">▷ Lectures on DNA law in Korea and other countries▷ Introduction of human rights and ethics issues▷ Discussions on the introduction of DNA-DB in their country (based on the reports submitted by the participants)▷ Discussion on international cooperation of DNA-DB	<ul style="list-style-type: none">- SPO(Seoul)
Module 3. Lectures on CSI	<ul style="list-style-type: none">▷ Lectures on CSI<ul style="list-style-type: none">- Crime scene investigation- Blood stain shape analysis- Fire crime scene investigation- Polygraph investigation	<ul style="list-style-type: none">- Police Investigation Academy (Chungnam Asan)
Module 4. Introduction of the Scientific Investigation Agency	<ul style="list-style-type: none">▷ Visiting Scientific Investigation Agency	<ul style="list-style-type: none">-National Forensic Service (Gangwon-do)-Criminal Investigation Command-
EXTRA CURRICULAR ACTIVITIES	<ul style="list-style-type: none">▷ Seoul City Tour (www.visitseoul.net)▷ Cultural experience (making rice cake)	

1. GUIDELINES FOR THE PREPARATION FOR THE COUNTRY REPORT

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

A Country Report is directly connected to an Action Plan. Based on what you present and discuss throughout the course, you are requested to present an Action Plan on the last day to develop practical measures to apply the knowledge, technology and experience to your worksite.

Program participants are requested to prepare and submit your Country Report individually or as a group to the SPO (Supreme Prosecutors' Office) Program Manager via e-mail at kimsy@spo.go.kr or sjdnaid@gmail.com until **Aug. 7, 2017**. 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.

On September 4th and 5th, all participants are required to give a 15-minute presentation using MS PowerPoint about your 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

On September 4th and 5th, 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 day of the workshop.

A. Technology sharing program on the legal & technical status for introducing national offender DNA database

The major title of the country report would be “Current legal and technical issues for adopting national DNA database”.

- Possible subject # 1: National DNA database: technical, ethical and legal issues in participating country
- Possible subject # 2: A brief history of the national DNA database in the participating country (Reason or problem)
- Possible subject # 3: The effects of DNA database in the participating country

B. Details of Country Report Preparation

●National level service structure

- Introduce your organization including personnel, main roles and equipment.
- Introduce your Ministry/ Department/ Bureau of forensic services responsible for the planning and implementation of national DNA database.
- Attach the chart of the Ministry/ Department/ Bureau’s forensic service structure including the number of engaged workers.
- Describe the facilities for forensic analysis.
- Status of DNA analysis technology in your country (DNA analysis equipment/ software/ reagent, etc.)

●Strategic policies

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

● Others relevant information

- Types of collected statistics related to forensic investigation.
- Quality assurance activities.
- Educational institute for forensic science.

●Data collection, reporting and monitoring system

- Current status of organization and government related to DNA database.
- Statistics related to forensic DNA investigation.

●Describe major problems related to the introduction of national DNA database system.

●Country Report should also include the topic you would like to address for an Action Plan (We would like to recommend you to refer to this program agenda).

1. GUIDELINES FOR PREPARATION OF THE ACTION PLAN

An Action Plan is a specific plan created by participants on how you can apply your learning to your worksite. Action Planning is a process which will help you to identify your objectives and decide what steps you need to take to achieve your goals. Establishing and implementing your Action Plan will not only contribute to your professional development but also to positive organizational change.

A good Action Plan entails who will do what, when, and how in detail. Please keep in mind that meeting the financing requirement including budget and time line is crucial to make your action plan feasible and applicable to your worksite.

All participants are requested to prepare a presentation on your Action Plan individually or as a group at the end of the course. You are encouraged to make the most of your weekends and leisure time to further your knowledge acquired from the course and better prepare your presentation for the Action Plan.

Participants will receive feedback from Korean experts who can share their insight and help further improvement of the Action Plan. After returning to your own countries, KOICA will continually follow up with participants to learn what kind of progress is being made in the implementation of your Action Plan. KOICA expects all participants to achieve your desired outcome.

2. TOPICS TO BE COVERED IN THE ACTION PLAN

All participants are requested to prepare on their action plan individually or as a group at the end of the course. The Action Plan is to bring up country's current problems and proposing appropriate solutions in order to solve the problems.

Each representative is required to make a 30-minute presentation on their Action Plan, to be followed by a 10-minute question and answer session. For more effective presentations, a projector, slide projector, overhead projector, and multimedia TV will be available (Note: Power Point presentations are preferred).

For a better Action Plan, we strongly recommend that you prepare the "Action Plan draft" before starting the program. Consider how it will apply to your organization and the advantages it will bring in the future.

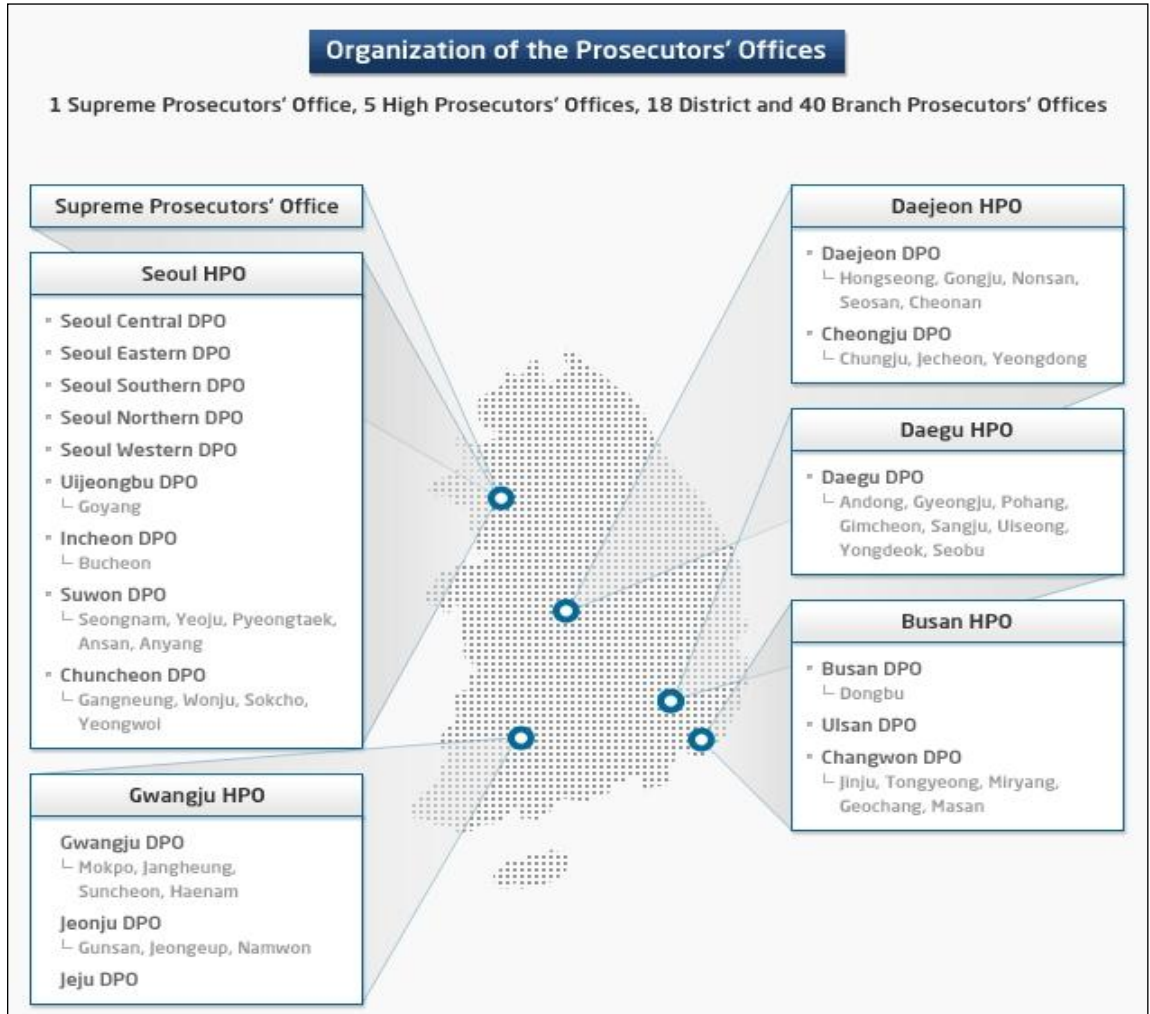
- a) Identify various problems related to each country's current situation of conflicts in national DNA database.
- b) Analyze causes and devise the best way to solve problems and make proposals.
- c) Consider how it will affect the current problems and the advantages it will bring in the future.
- d) Discuss how it can be applied to your current work including a budget and a financing plan.
- e) Expected results and impact.

3. STEPS FOR THE ACTION PLAN

- **[Step 1] Present Country Report (September 4th, 5th)**
 - Participants are to share their current situation and issues of their interests through Country Report presentation
- **[Step 2] Lecture on Methodology / Grouping (September 5th)**
 - Lecture on Action Plan methodology
 - Form Action Plan working groups
 - SPO will provide an orientation for writing an Action Plan
- **[Step 3] Group Discussions / Workshops (September 5th, 12th)**
 - Group Discussions about the DNA-DB and forensic DNA analysis
 - Brainstorm and discuss in groups for developing an Action Plan
 - Consult with experts and receive feedbacks
- **[Step 4] Complete Action Plan (September 12th, 13th)**
 - Establish an Action Plan for new development/ upgraded policies or programs
 - Presentation on the final Action Plan and feedback

1. TRAINING INSTITUTE

Supreme prosecutors' Office (<http://www.spo.go.kr>)



The SPO is a governmental agency which belongs to the Ministry of Justice. The SPO consist of various specialized departments working in cooperation. Although individual departments work on different tasks, they pursue a common goal: helping all citizens

live in a safer environment, where they can freely fulfill their hopes. By pursuing justice, prosecutors provide a solid foundation for peace and security in our society.

The SPO stands at the top of our organizational hierarchy, is located in Seoul. Its duties include directing and supervising investigation and operations of all other Prosecutors' Offices across the country. The Prosecutor General handles all affairs and directs all staff members of the Prosecutors' Offices.

2. CONTACT INFORMATION

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- **Program Manager: Mr. Hyunseok KANG**

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- **Name of the Training Institute**

- **Program Manager: Mr. Se-Yong KIM**

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- Home page: <http://www.spo.go.kr>

INTRODUCTION OF KOICA



is a development cooperation 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, providing the people of 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 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 KOICA Fellowship Program is one of KOICA's main projects to support partner countries secure human resources for their development. The primary objective of the Fellowship Program is to share important technical skills and knowledge as well as to build capacities for sustainable socio-economic development. The program is composed of a wide range of topics, 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 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 in 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 4,255 courses to more than 69,981 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 → 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 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.

"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."