

**2016**

# **KISTEP-ISTIC**

## **S&T Innovation Training Program for High Level Policy Makers**

*“Building National STI Capacity for Joint Growth:  
Sharing the Experience of Korea and  
Systematic S&T Management”*



**26 – 30  
SEPTEMBER  
2016**

**KUALA LUMPUR,  
MALAYSIA**

Organized by:

Korea Institute of S&T Evaluation and Planning  
(KISTEP)

&

International Science, Technology and Innovation Centre  
for South-South Cooperation under the auspices of UNESCO  
(ISTIC)

**2016 KISTEP-ISTIC S&T INNOVATION TRAINING PROGRAM FOR HIGH LEVEL POLICY  
MAKERS:**

***“Building National STI Capacity for Joint Growth:  
Sharing the Experience of Korea and Systematic S&T Management”***

**26 – 30 SEPTEMBER 2016, KUALA LUMPUR, MALAYSIA**

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## **OVERVIEW**

The 2016 KISTEP-ISTIC S&T Innovation Training Program for High Level Policy Makers: “Building National STI Capacity for Joint Growth: Sharing the Experience of Korea and Systematic S&T Management” will be held on 26 – 30 September 2016, Kuala Lumpur, Malaysia.

The 2016 KISTEP-ISTIC Program have main features as follows:

- Magnifying the macro topics related to society and economics in the perspective of S&T
- Enhancing interaction between participants with more discussion sessions
- Supporting continued networking opportunities after the program

The 2016 KISTEP-ISTIC Program will follow the P.I.E. framework. Especially, in order to address the specific national issues that the participants want to share, Korea’s S&T experience will be introduced mainly focusing on the National Innovation System (NIS). Also, we will introduce the case studies of international cooperation that can be applied to the participants’ countries. In addition, we will hold interactive workshops to promote active discussion between the participants.

The purpose of this program is to enhance the capabilities of high level policy makers from developing countries by presenting them the experience of Korea. This program covers topics from Korea’s nationwide science and technology (S&T) policies to techniques for P.I.E. (Planning, Investment, Evaluation) which are beneficial for S&T policy makers and give a guide to improve the developing countries’ S&T capacity. To offer a practical and comprehensive instruction, interactive workshop will be conducted during the program.

The 2016 KISTEP-ISTIC Program focuses on lectures complemented by hands-on, interactive sessions in which real issues are tackled, case studies and study visit to selected company. Participants will learn active examples and experiences from Korea and Malaysia.

## **ORGANIZERS**

### **Korea Institute of S&T Evaluation and Planning (KISTEP)**

Korea Institute of S&T Evaluation and Planning (KISTEP) is a global institution specializing in S&T planning and evaluation with the aim of creating future value of S&T in Korea. The Republic of Korea has been able to accomplish a remarkable growth and advancements in the field of S&T, and KISTEP has played one of the crucial roles in this process. Particularly, KISTEP has been playing a key role in the work of technology foresight, S&T policy planning, R&D priority setting, policy coordination, program coordination and budget allocation, R&D program evaluation.

KISTEP has carried out its pivotal roles in nation-wide technology foresights, national S&T basic plans including “High Five Strategy” and national technology roadmaps. And KISTEP sets investment priorities that are most helpful for achieving national development goals and it is involved in every step of every budget allocation process in national R&D programs, pursuing the optimal allocation of R&D resources. Also, KISTEP is conducting Meta- and In-Depth R&D program evaluations and managing S&T observatory including “National S&T Information Service” and “K2 Base System”. With the significant experience gained through its services to Korea, KISTEP has recently started to focus on the international dissemination of its expertise and on the global cooperation in the S&T evaluation and planning.

### **International Science, Technology and Innovation Centre for South-South Cooperation under the auspices of UNESCO (ISTIC)**

The International Science, Technology and Innovation Centre for South-South Cooperation under the auspices of UNESCO (ISTIC) was established on 21 January 2008 and is based in Kuala Lumpur. The creation of the ISTIC is a follow up of the Doha Plan of Action which has been adopted by the Heads of States and Government of the Group of 77 and China, during the meeting in Doha, Qatar, from 12 to 16 June 2005 on the occasion of the Second South-South Summit of the Group of 77 (G77).

ISTIC is fully funded by the Government of Malaysia. One of the main function of ISTIC is to develop and implement science, technology and innovation development program for members of G77 and China targeted at facilitating the integration of national science, technology and innovation policies, capacity building, exchange of experiences and best practices, and creating a problem-solving network of centres of excellence in developing countries.

## COMPONENTS AND MODES OF DELIVERY

The training programme will be delivered by using the combinations of the following methods:

- Series of lectures.
- Interactive Workshop: Challenge Report of S&T.
- Case Studies.
- Study visit to selected company.

## DURATION AND VENUE

The training program will be held over 5 days in Kuala Lumpur, Malaysia from 26 – 30 September 2016.



## PARTICIPANTS

A total of 30 participants such as **Minister, Vice Minister, Director General or Secretary General / Assistant Minister** of Ministry of Science and Technology or Ministry responsible for Science, Technology and Innovation from developing countries will be attending the training programme. About 20 participants will be from developing countries and 10 participants will be from Malaysia. The combination of participants from developing countries and Malaysia will allow for the exchange of knowledge, ideas and experiences as well as opportunities for discussions, networking and possible collaboration.

## MEDIUM OF INSTRUCTION

The training workshop will be conducted in English.



## PROGRAM

	9.26 (Mon)	9.27 (Tue)	9.28 (Wed)	9.29 (Thu)	9.30 (Fri)
9:00~9:30	Opening Ceremony	S&T Master Plan	Special Lecture	Special Lecture	Country Report (1)
9:30~10:30	Introduction to ISTIC Introduction to KISTEP				
10:30~11:00	Break	Break	Break	Break	Break
11:00~12:30	Experience of S&T Development and R&D Governance System in Korea	S&T Human Resource	Measuring S&T Innovation Capacity	National S&T Information Service	Country Report (2)
12:30~14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00~15:30	Technology Foresight	R&D Budget Allocation & Coordination	Study Visit	Speaker from Federal Land Development Authority (FELDA)	Group Discussion
15:30~16:00	Break	Break		Break	Break
16:00~17:30	Future Growth Engines	R&D Program Evaluation		Speaker from Permodalan Nasional Berhad (PNB)	Wrap-up Discussion and Closing Ceremony
17:30~18:00	Wrap-Up	Wrap-Up		Wrap-Up	

\* Note: This schedule may be subject to change

	<b>Module 1</b>		<b>Module 2</b>		<b>Module 3</b>		<b>Module 4</b>		<b>Module 5</b>
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## **DESCRIPTION OF MODULES**

### **Module 1: Experience of S&T Development and R&D Governance System in Korea**

Korea has experienced a remarkable socio-economic growth over the past five decades, which transformed a poverty-ridden agricultural country into one of the strongest Asian economies. The national S&T strategy has served as one of the engines enabling the dramatic transformation. Korea began developing its S&T infrastructure in 1960s, when the Ministry of S&T was established to coordinate and support the S&T activities. Korea further promoted S&T as a source of national competitiveness in 1970s and 1980s. Recently Korea is focusing on increasing efficiency of S&T efforts and expanding investments on the basic and fundamental research. The participants will have a chance to see the milestones of Korea's S&T development. Also, this module will provide an overview on the R&D governance system of Korea and major functions of KISTEP and ISTIC.

### **Module 2: Systematic S&T Management (P.I.E.)**

The concept of Planning-Investment-Evaluation (P.I.E.) provides a systematic approach for S&T management. The P.I.E. works as a cycle, whose goal is to set the national S&T priorities, devise strategies and implement them in an efficient way.

- **Planning:** performs technology foresight study to devise the future S&T strategy and contributes to the decision-making process in S&T policy planning and coordination.
- **Investment:** conducts preliminary technological assessment and feasibility studies on new large scale government R&D programs and provides the outlays of government budget allocation and coordination for strategic investment in government R&D programs.
- **Evaluation:** evaluates the performance of national R&D programs and government-funded research institutes and analyzes R&D investments in public and private sectors.

This module will provide insight into the key aspects of P.I.E. framework by introducing related activities and examining case studies.

### **Module 3: Special Lectures**

This module includes special lectures delivered by invited speakers. The module will provide thought-provoking lectures covering a wide range of topics related to STI such as economic growth, rural development and innovation clusters.

## **Module 4: Study Visit**

In addition to the lectures, the program includes an opportunity to visit S&T research institutes or innovative companies. Study visit will include short tours, Q&A sessions and discussion. The study visit sites will be selected after discussion among representatives of KISTEP and ISTIC. This module will provide the context for the innovation ecosystems and help participants better understand various development approach and strategies taken by different entities of innovation system.

## **Module 5: Interactive Workshop**

This module will engage the participants actively by presentation and group discussion. Each participant will submit Country Report (Box 1) and will share the current issues and challenges of national S&T system in their countries.

### **Box 1: Country Report**

#### **1. Overview of S&T policy**

- Administrative framework of S&T policymaking
- National long-term plans for S&T development

#### **2. Analysis of National Capabilities**

- National S&T and R&D indicators
- Strengths and weaknesses of S&T capacity

#### **3. Main Issues in S&T**

- Challenges hindering S&T development
- Measures taken to address major issues

#### **4. Future Plans for Discussion**

- Future plans and goals for advancement in S&T
- S&T policy directions to address main issues

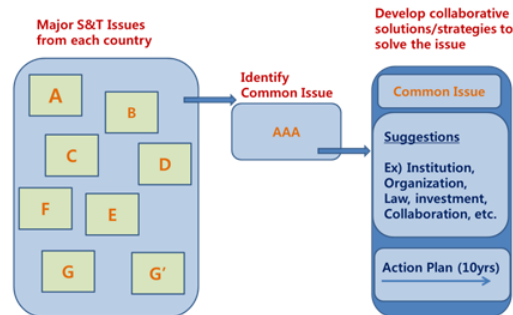
The participants will be divided into groups, discuss common challenges based on their presentations and identify policy solutions to the challenges. The module will facilitate networking and in-depth discussion among participants.

**PART 1**  
SHARING  
COUNTRY REPORTS

Please present your Country Report to share S&T status and challenges of your country.

**PART 2**  
SMALL GROUP DISCUSSION

In order to facilitate interactive discussion, you will be divided into three groups. Based on the country reports, identify S&T barriers and challenges you have in common and develop policy solutions.



**PART 3**  
GROUP PRESENTATIONS

Each Group will present the discussion points from PART 2 and discover collective ways to move forward.

Framework of Interactive Workshop

**REGISTRATION FEE**

RM 2,500.00

The registration fee of RM 2,500.00 entitles each participant to:

- Training Course materials
- Certificate of Attendance
- Participation in technical visit
- Meals and coffee during the training course period

Note:

- 1) Substitution is allowed for registered participant, cancellation will not be entertained.
- 2) Fee is **NOT** inclusive of accommodation.

**MODE OF PAYMENT**

Payment can be made using crossed cheque, bank draft or local order made payable to **Akademi Sains Malaysia (ISTIC)**. For all telegraphic transfers, please notify the secretariat before affecting the transfer. All transfers should be directed to the following account:



Account Name : AKADEMI SAINS MALAYSIA (ISTIC)  
Account No. : 140 140 10139359  
Bank : Bank Islam Malaysia Berhad  
Branch : Menara Bank Islam, Tingkat Bawah, No. 22, Jalan Perak,  
50450 Kuala Lumpur

Please send a copy of the transfer slip to the Secretariat. An acknowledgement will be sent on receipt of payment

## APPLICATIONS

- i. Applicants are urged to use online application. The link for online application form can be accessed from the website [www.istic-unesco.org](http://www.istic-unesco.org)  
Participants' **online application** form  
Link: <http://goo.gl/forms/1UKDPJBtHPxSaLM33>
- ii. Applicants also can apply using application form as attached in this brochure and submit the completed form to the following address [info@istic-unesco.org](mailto:info@istic-unesco.org).
- iii. All applicants are required to submit recommendation letter, applicant's C.V. and photo to [info@istic-unesco.org](mailto:info@istic-unesco.org).

## CLOSING DATE OF APPLICATIONS

All applications should be submitted to the ISTIC secretariat office **before 31 July 2016**. ISTIC will inform the successful applicants to the training workshop **no later than 1 September 2016**. Applicants who do not receive word within this date are rendered unsuccessful.

## SECRETARIAT & ENQUIRIES

### Secretariat

KISTEP-ISTIC S&T Innovation Training Program  
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Fax: +603-2698 4549

Email: [info@istic-unesco.org](mailto:info@istic-unesco.org)

Website: <http://www.istic-unesco.org>

## Registration Form

**ONLINE APPLICATION PLEASE [CLICK HERE](#)**

Name:		
IC No:		
Designation:		Official Stamp:
Organization:		
Address:		
Tel	Office:	
	Mobile:	
Fax:		
Email:		

**Registration fee: RM 2,500.00**

I hereby enclose Cheque / Bank Draft / Local Order for RM \_\_\_\_\_ being payment for the registration fee.

Please complete and return to:

**Secretariat**

KISTEP-ISTIC S&T INNOVATION TRAINING PROGRAM

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**ISTIC**  
INTERNATIONAL SCIENCE, TECHNOLOGY AND  
INNOVATION CENTRE FOR SOUTH-SOUTH  
COOPERATION UNDER THE AUSPICES OF UNESCO

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