



Training Workshop on: Assessment of Industry Needs to Help Develop a Sustainable and Productive Science and Technology (S&T) Policy

**22nd - 26th June 2009
[Kuala Lumpur]**

Organized by:

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

INTRODUCTION

The world is moving fast into the knowledge and innovation economy. Countries worldwide have begun making preparation to embrace the changing requirements stipulated by the new economy. Top on the agenda of requirements is the need to strengthen each country's Science and Technology (S&T) framework. More investments in R&D are critical. The key human capital to drive S&T and the R&D must be put in place. But to be economically meaningful, R&D must eventually reach the market and thus create wealth. There is concern that most of the R&D in the past have remained locked up in universities and R&D centres. There is concern that industry and business are not investing enough in R&D. This mismatch has been largely attributed to the fact that R&D projects have not taken into account the needs of the market, both current and future needs of industry.

In the case of developing countries, the development of S&T framework would be more meaningful if an international platform can be established as they can share and learn from each other's experiences. Heads of States and Governments of the Group of 77 and China, during the Second South Summit in Doha, Qatar, in June 2005 had urged UNESCO to develop and implement a programme for South-south cooperation in S&T. As a result, the International Science, Technology and Innovation Centre (ISTIC) under the auspices of UNESCO was established on 21 January 2008 and is based in Kuala Lumpur. One of the objectives of the ISTIC is to provide capacity building in science and technology through providing policy advice and exchange of experience and best practices. In order to accomplish this particular objective, these countries need to be exposed to the right techniques and tools to assess the needs of industry which can then be incorporated in their S&T plans.

Objectives of Training Workshop

- To assist participants from G77 member countries in assessing the industry needs to help them develop a sustainable and productive S&T policy.

Workshop Content

- Introduction on why assessment of industry needs is critical in any S&T planning
- Models of S&T policies where industry needs have been critically assessed
- Qualitative and quantitative tools to assess industry needs
- Case studies on such assessment
- Techniques to link industry needs and R&D plans
- Creating a sustainable R&D commercialization mechanism
- Engaging stakeholders
- Steps in developing the implementation and monitoring plan
- Communication with stakeholders and general public

Study visits to research institutions and presentations on local case studies will also be included to complement the overall training workshop.

Workshop Duration and Venue

The workshop will be held in duration of 5 days and will be held in Kuala Lumpur from 22nd -26th June 2009.

Number of Participants

A total number of 40 participants will be selected. 20 participants will be from UNESCO member countries and 20 participants will be from Malaysia. The combination of UNESCO member countries and Malaysian participants will allow for exchange of knowledge, ideas and experience as well as opportunities for discussion, networking and possible collaboration.

Resource Persons

Resource persons will include experts from Fraunhofer Institute, Germany as well as other local experts from universities and research institutions. These people were selected due to their relevant knowledge and experience in the topics covered in the training workshop.

Modes of Delivery

The training workshop will be delivered by using the combination of the following methods:

- Series of lectures
- Group discussion and presentation
- Case studies
- Study visits to selected local research institutions

Closing Date of Applications

All applications should be submitted to the ISTIC secretariat office by **Friday, 22nd May 2009.**

TENTATIVE SCHEDULE

Training Workshop on Assessment of Industry Needs to Help Develop a Sustainable and Productive Science and Technology (S&T) Policy 22nd - 26th June 2009, Kuala Lumpur

Time	22 June 2009	23 June 2009	24 June 2009	25 June 2009	26 June 2009
8.30 - 9.00 am	Registration				
9.00-10.15 am	Introduction on the Importance of S&T Policy in the Innovation Economy and National Development Speaker: Tan Sri Datuk Dr. Omar/ UNESCO	Importance of Industry Needs Assessment in S&T Policy Development Speaker: Dr. Holger, Fraunhofer Institute, Germany	Linking Industry Needs and R&D Project Identification Speaker: Dr. Holger, Fraunhofer Institute, Germany	Engagement of Stakeholders in S&T, Tools and Techniques Speaker: Dato' Tengku Azman/ SIRIM CEO	Steps in Formulation of S&T Policy/ Plan Speaker: Prof. Wing-Yin Yu, MUST
10.15 -10.45 am	Tea Break				
10.45am - 12.00pm	Models of S&T Policies of selected countries. Speaker: Prof. Calestous Juma, Harvard University	Qualitative and Quantitative Tools to Assess Industry and Market Needs Speaker: Dr. Holger, Fraunhofer Institute, Germany	Understanding Mechanism for R&D Commercialization Speaker: Dr. Ahmad Ibrahim, MUST/ USM Holdings	Guide on Framework in S&T Policy Speaker: Prof. Wing-Yin Yu, MUST	Developing Implementation and Monitoring Plan Speaker: Prof. Wing-Yin Yu, MUST
12.00 -2.00 pm	Lunch				
2.00-3.15 pm	Case Study 1 : BioFuel Policy Speaker: Dr. Choo Yuen May (DDG -MPOB)	Group Exercise on Industry and Market Needs Assessment	Study Visit: MIMOS	Case Study 3 : Biotech Policy (Biotech Corp) Speaker: Dato' Iskandar Mizal (CEO)	Presentation on Group Exercise
3.15 – 3.45 pm	Tea Break				
3.45-5.00 pm	Case Study 2 : ICT Policy Speaker: Dato' Badlisham Ghazali (MDEC)	Group Exercise on Industry and Market Needs Assessment (cont'd)	Study Visit: MIMOS	Case Study 4 : National Innovation Model Speaker: Prof. Mahani (DG-ISIS)	Conclusion and Closing Ceremony/ Certificate Presentation

REGISTRATION FORM

Name : _____

Title : Dr./ Mr./ Mrs./ Ms. Designation : _____

Organization : _____

Address : _____

Postcode : _____ City : _____

State : _____

Tel. No : _____ Mobile No : _____

Fax No : _____ Email : _____

Registration Fee: RM2,000

Mode of Payment

Payment can be made using crossed cheques or bank drafts made payable to **Akademi Sains Malaysia**. For all telegraphic transfers, please notify the secretariat before effecting the transfer. All transfers should be directed to the following account:

Account name: Akademi Sains Malaysia

Account No.: 1401 4010083361

Bank: Bank Islam Malaysia Berhad

Branch: Jalan Raja Laut, Ground Floor, Menara Tun Razak 50350 Kuala Lumpur

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

Note: Substitution is allowed for registered participant, cancellation will not be entertained.

Application and Enquiries

All applicants are required to complete the prescribed application form and submit the completed form to the following address:

Secretariat,

Attn: Ms. Siti Suzilah Fahaaruddin

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c/o MALAYSIA UNIVERSITY OF SCIENCE AND TECHNOLOGY (MUST)

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