

Introduction to ASEAN Technology Foresight and Scan Project

by

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Introduction

The ASEAN Technology Foresight and Scan project is a project of the ASEAN Sub-Committee on S&T Infrastructure and Resources Development, in cooperation with the National Science and Technology Development Agency (NSTDA), Thailand as the project's executing agency.

The project intended to build up expertise in technology foresight in the ASEAN member countries.

The project starts from July 2003 and lasts two years.

Summary of Project Process

To build up expertise through **workshops** and a pilot ASEAN foresight project that is constituted of sub-projects in each member country.

To establish a regional network of “**foresight champions**” who are regularly updated about foresight developments worldwide and promote foresight activities in the ASEAN member countries

To initiate a **bi-monthly newsletter** to support such activities. Progresses of each member’s project is circulated through the newsletters, and posted on web site with comments.

Key Elements (1)

Key elements of the project include three workshops, a pilot ASEAN foresight project and bi-monthly newsletters.

Design and Methodology Workshop (August 4-5, 2003 in Hanoi) was an inception meeting aiming at introducing the project, demonstrating the value of foresight and leading to an agreement on the project.

Foresight Methodology and Project Management (December 15-19, 2003 in Bangkok) to provide competence in using a portfolio of tools and in managing a foresight project effectively.

Key Elements (2)

National foresight sub-projects (January 2004 to May 2005) each country conducts its own foresight and scan exercise on a topic of their choice and share their learning experience via newsletters and web site.

Additional Workshops for Lao PDR (17-19 January 2005) and Myanmar (4-6 April 2005).

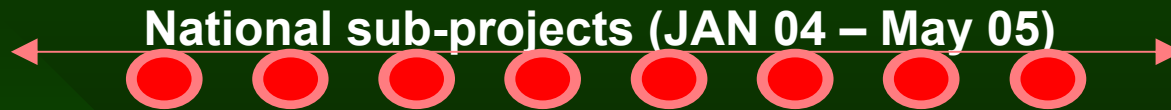
ASEAN Technology Foresight and Scan Final Workshop (12-13 May 2005 in Bangkok) a final workshop to share the experience.

Bi-monthly newsletters and the project's web site employed as tools for communication and information collection to keep the interests of member countries throughout the project duration.

Project Summary Chart



ASEAN Technology Foresight Final Workshop, Bangkok, 12-13 May 05



Training Workshop, Bangkok, 15-19 Dec 03

Design & Methodology workshop, Hanoi, 4-5 Aug 03



Activities and Deliverables

Deliverables

Activities

2003
Aug

Bi-monthly newsletters & networking via website

Briefing Paper & Foresight Topic Survey (NSTDA)

Design & Methodology Workshop
4-5 Aug, Hanoi

Dec

Oct

–Proceedings of the D&M Workshop
–Framework Document for the ASEAN Technology Foresight and Scan Program (NSTDA)

Topic Selected and National Working Team Set Up *Sep-Oct*

Foresight Training Workshop
15-19 December 03 in Bangkok

2004

Feb
Apr
Jun
Aug
Oct
Dec

Country Projects (Jan 04 – May 05)

–Countries may have different duration depending on project scale, complication of issues and amount of country funding.
–Each country is requested to contribute some articles in the newsletter.

2005

Feb
Apr
Jun
Aug

ASEAN-wide Foresight Workshop Special Issue

ASEAN Technology Foresight final Workshop
2 days in May 05 in Bangkok

Final Report (NSTDA)

National Foresight Sub-Projects in ASEAN 1

Country Projects	Main Objectives	Foresight Tools
<u>Brunei Darussalam</u> Vocational and Technical Education and Training 2024 focusing on human resource development	To study manpower requirements of the emerging industries and find out how VTET sector can increase the contribute to HRD.	Environmental scanning Focus Group Meeting
<u>Cambodia</u>		
<u>Indonesia</u> Technology Roadmap for Automotive Components Industry	To achieve preferred condition of the industry in 5 years (2009)	Technology roadmapping Focus Group Meeting

National Foresight Sub-Projects in ASEAN 2

Country Projects	Main Objectives	Foresight Tools
Lao PDR Human Resource Development for Livestock Industry in Laos	To increase the livestock products both in quantity and in quality	Scenario planning
Malaysia Technology Foresight for Plant Biotechnology Industry	To build future scenarios of the industry and define market development	Environmental scanning Scenario planning Delphi polling Technology roadmap

National Foresight Sub-Projects in ASEAN 3

Country Projects	Main Objectives	Foresight Tools
<p><u>Myanmar</u> Development of Small and Medium scale Industries in Myanmar</p>	<p>To propose the strategic plan in developing SMIs</p>	<p>Scenario planning</p>
<p><u>Philippines</u> Human Resource Capability Towards the Creation of Technology Champions in Key Industries: Electronics</p>	<p>To strengthen the human resource capabilities in electronic R&D, entrepreneurial skills, techno-ventures and linkages.</p>	<p>Environmental scanning Scenario planning Technology Roadmapping Consultations</p>

National Foresight Sub-Projects in ASEAN 4

Country Projects	Main Objectives	Foresight Tools
<p><u>Thailand</u> Manpower Needs for Effective Development of Biotechnology in Thailand</p>	<p>To propose the strategic plan in biotechnology HRD including the critical skills need for effective development of biotechnology industry.</p>	<p>Scenario Writing Focus Group Meeting</p>
<p><u>Vietnam</u> Roadmapping HRD for the Development of Biotechnology Industry up to 2015.</p>	<p>To build a HRD roadmap to meet the need of BioTech industry up to 2015</p>	<ul style="list-style-type: none"> • Environmental Scanning • Mini-Delphi survey • Technology Roadmapping

Funding for ASEAN Participation

The project receives funding support from Japan-ASEAN Exchange Programme (JAEP) that covers return air fare, per diem and incidental travel costs for ASEAN representatives to three workshops of the project.

It should be noted that the project has no funding for national projects unless negotiated on a case-by-case basis.

The ASEAN Foresight and Scan Final Workshop is part of the ASEAN Technology Foresight and Scan Project

Objectives of the workshop:

- To exchange experience in conducting technology foresight exercises
- To enhance the cooperation among ASEAN member countries in foresight in HRD and other fields

Facilitators

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