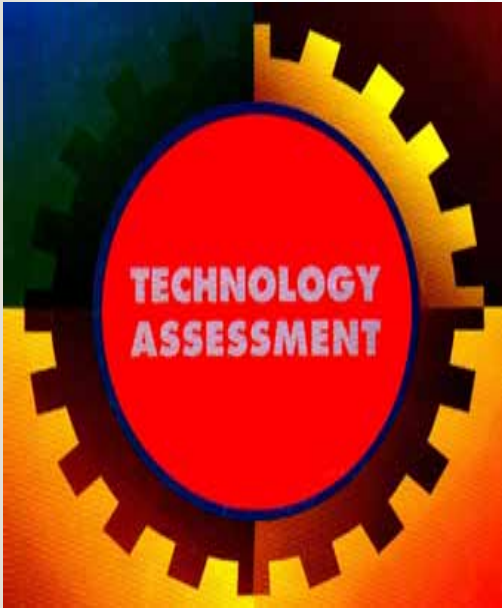# TECHNOLOGY ASSESSMENT (TA) FOR SUSTAINABLE DEVELOPMENT
(Decision Support Tool)

TA focus on the following :
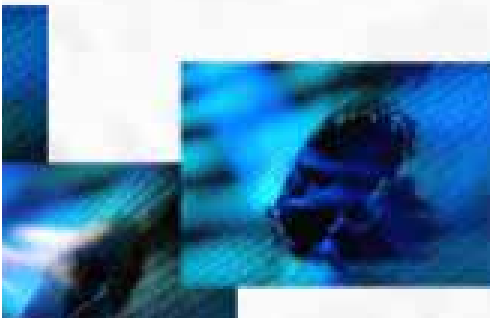

➢ **Techno Economic compatibility**

➢ **Environmental Compatibility**

➢ **Social (including political and cultural) Compatibility**

➢ **TA Capacities Imply Demand for**
   Institution Building and Active Participation of Stakeholders

Jan 1, 2000

CAPABILITY BUILDING ON TM
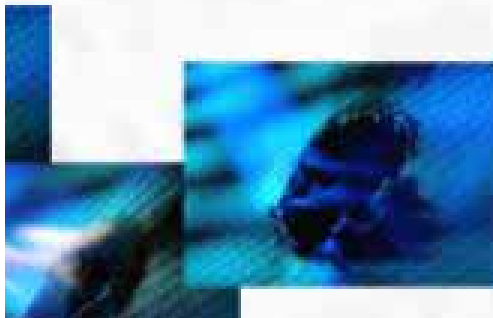## (Focus on)

➢ **Inter-relationship between technology and other factors (such as entrepreneurship, credit, market)**

➢ **Evolving models incorporating best practices aimed at technology delivery**

➢ **Matching and optimizing institutional carrying capacity**

➢ **Greater involvement of NGOs and private initiatives**

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SELECTED PRIORITY AREAS

(A) Traditional medicine & herbal technology

(B) Processing of fruits and vegetables

(C) Bamboo resources utilization

Asia-Pacific Traditional Medicine and Herbal Technology Network (APTMNET)
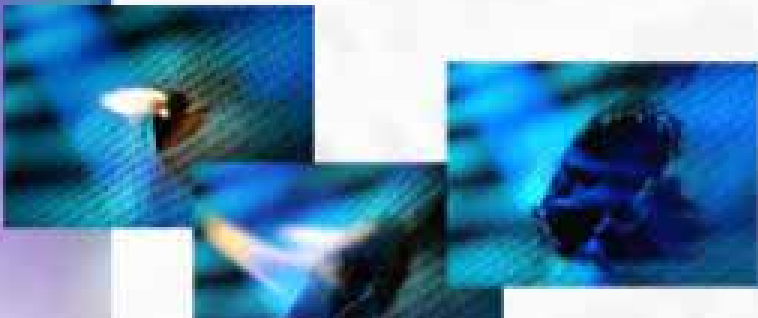
www.apctt-tm.net

Participating countries : Bangladesh, China, India, Indonesia, Iran (Islamic Republic of), Korea (Republic of), Malaysia, Mongolia, Nepal, Pakistan, Philippines, Sri Lanka, Thailand and Viet Nam

BACKGROUND

During 1997-2002 the centre organized a number of international, regional, sub-regional and national workshops on "Biodiversity conservation, standardization, quality control and sustainable industrial utilization of herbal resources in the region" to sensitize these issues among SMEs, intermediaries, promotional agencies and decision makers
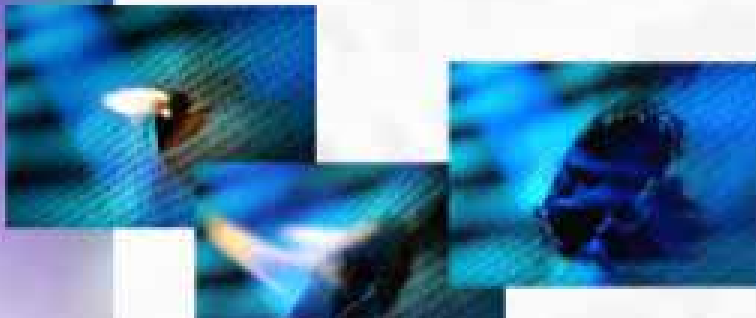
Content Framework

Research & Development

——Main contents include information on research and development resources, sustainable utilization technology and modern technology application to traditional medicine field in the country (region).
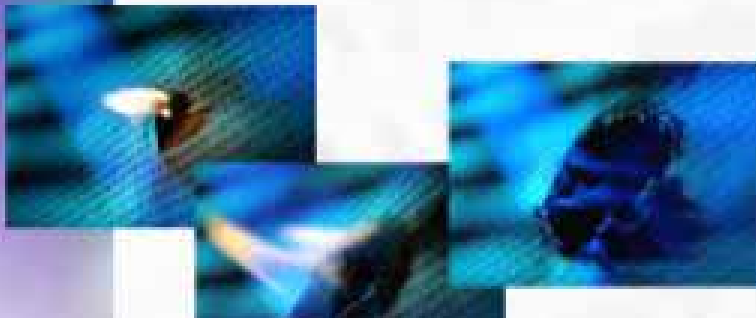
FUNCTIONAL FRAMEWORK

Online Information Bulletin

Online Consultation

Online Purchase

E-mail

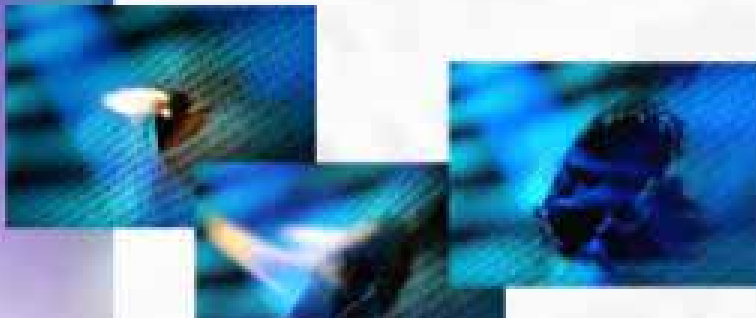Jan 1, 2000

Roadmap for APTMNET Establishment

Jan. 2001-Sep. 2003

Detailed proposal on APTMNET prepared and sent to member countries for their feed back (including web-site framework, database structure and organizational aspects)

Sep. 2003

Expert Group Meeting (EGM) on Asia-Pacific Traditional Medicine and Herbal Technology Network organized to endorse the final proposal
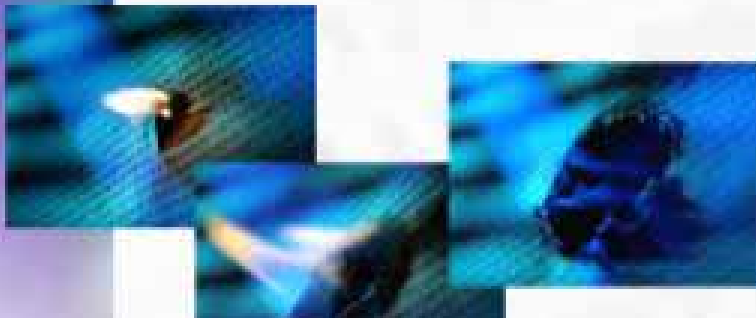
Roadmap for APTMNET Establishment

Expert Group Meeting (EGM) initiatives

Constitution of APTMNET executive council (EC)

Identification of nodal agency(ies)

Signing of Memorandum of Understanding (MoU)

(Twelve countries have signed the MoU to set up the nodal stations and link it up with the main centre in Wuhan, China
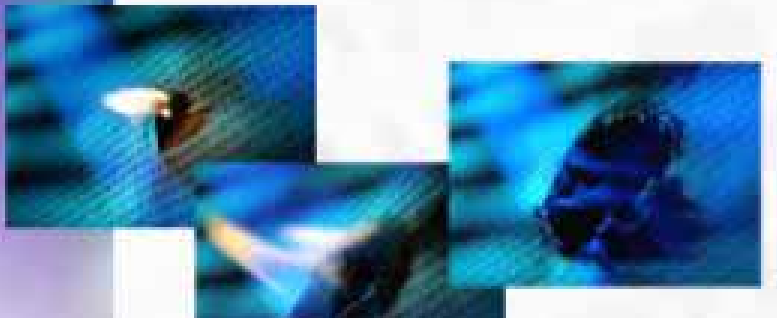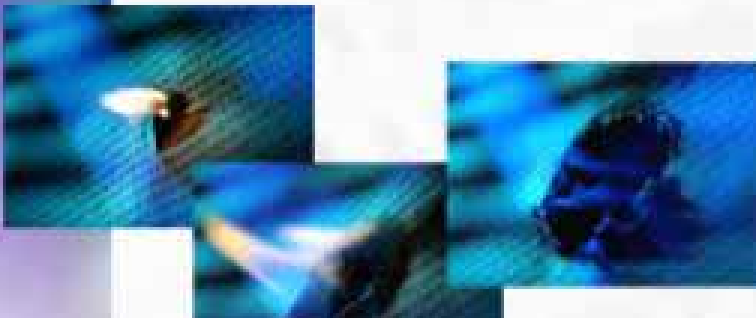
Jan 1, 2000

SPECIFIC RECOMMENDATIONS OF EC

➢ **India and China will sponsor two training programmes to train IT personnel from other participating countries. First training programme in Wuhan, China, Second training programme in Lucknow, India.**

➢ **Department of Indian System of Medicine (ISM), Government of India will host the Asia Pacific Herbal Expo in September 2004 and further promote APTMNET in the region.**

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Contd.

➢ **The participating countries were urged to set up the nodal station and link it with the main centre by December 2004.**

➢ **ESCAP/APCTT has been requested to continue to support this unique initiative on programme mode and facilitate the smooth functioning of the network.**
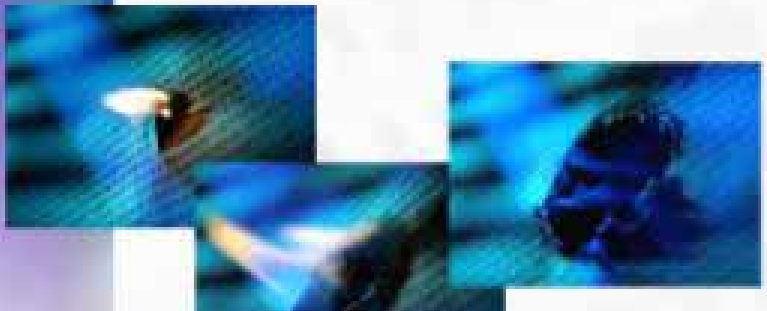
Jan 1, 2000

Progress made by member countries

APCTT

- ➢ **APTMNET main station has been established and homepage created.**

- ➢ **China and India are already engaged in setting up the nodal stations. Some databases have been developed with volumes of information on traditional medicine resources and research**

- ➢ **Countries such as Indonesia, Republic of Korea, Malaysia and Thailand have already some databases available for integration with APTMNET and they are also taking some steps towards the establishment of their nodal stations**
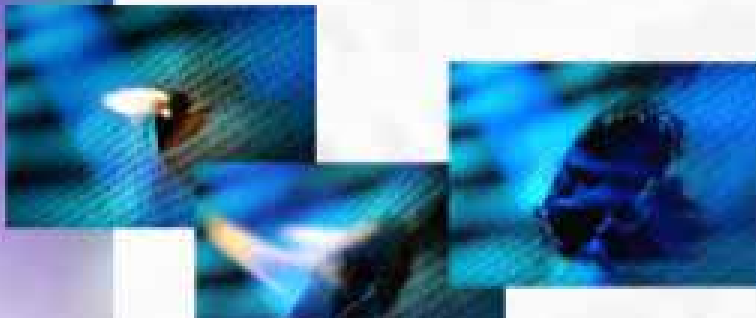
Jan 1, 2000

Thank you!

APTMNET Framework

A web portal covering the Asia-Pacific region

——Main station：

making efforts to reflect the recent updates and highlights on traditional medicine development in the Asia-Pacific region, orienting to be an informative web portal that integrates traditional medicine resources, technologies, institutions and comprehensive information from other APTMNET Nodal Stations and participating countries and to be an intermediary for technology transfer and trade on traditional medicine in the Asia-Pacific region.
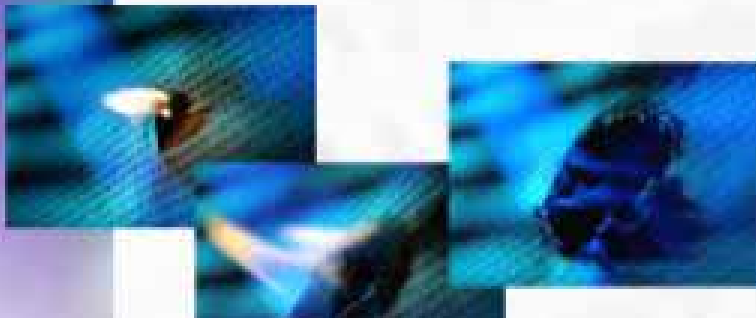
GENERAL OUTLINE

APTMNET Framework

A web portal covering the Asia-Pacific region

—— APTMNET Nodal Stations:

It is suggested that APTMNET Nodal Stations in participating countries reflect the recent updates and highlights on traditional medicine in respective country, becoming the web portal that integrates traditional medicine resources, technologies, institutions and comprehensive information in respective country.

Jan 1, 2000

CONTENTS

Traditional Medicine Resources

Standards & Regulations

Enterprises & Products

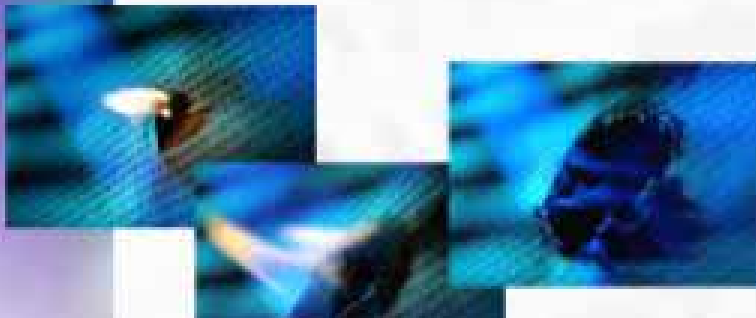Education & Training

Research & Development

News & Highlights

Jan 1, 2000

GENERAL OUTLINE

Content Framework

Traditional Medicine Resources

——**Main contents include basic information on traditional medicinal plants, animals, minerals and marine resources in the country (region), geographical distribution and availability of medicinal resources, the sustainable utilization of medicinal resources and biodiversity conservation.**
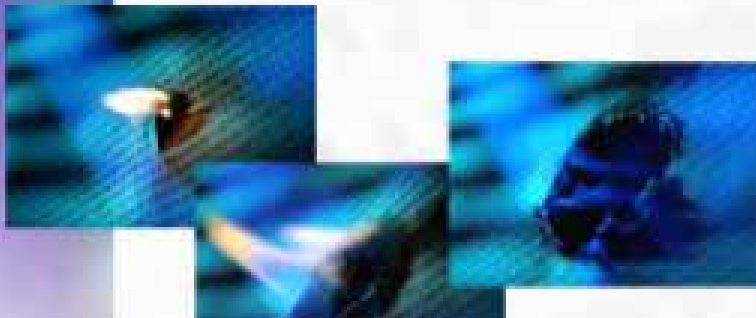
GENERAL OUTLINE

Content Framework

Standards & Regulations

　　——Main contents include information on policies, regulations and standards of traditional medicine in the country (region), and introduction of administrative organizations.
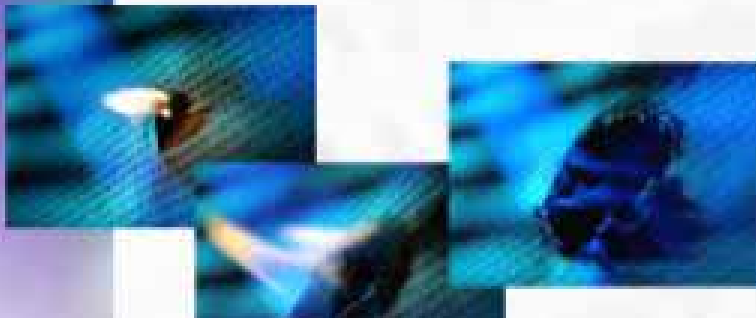
GENERAL OUTLINE

Content Framework

Enterprises & Products

———Main contents include market information and information on traditional medicine enterprises and the products in the country (region).

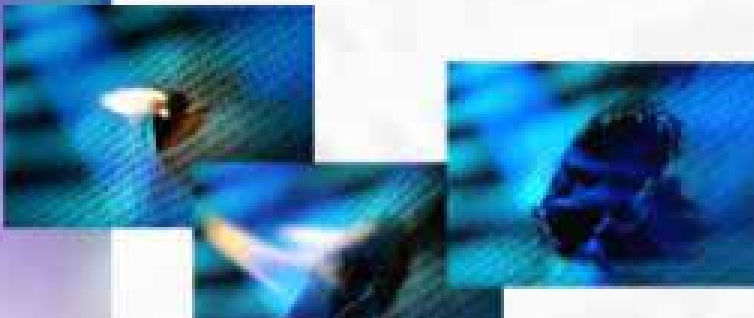## Content Framework

Education & Training

——Main contents include information on education system, institutions or training organizations of traditional medicine in the country (region).

IMPORTANT WORKSHOPS HELD DURING 1997-2002

➢ **TCDC international workshop-cum-training on herbal drugs, 18-22 September 1997, Jammu, India.**

➢ **TCDC workshop on herbal drugs and aromatic plants, 7-9 October 1998, Kathmandu, Nepal.**

➢ **Regional workshop on medicinal plant, 14-17 November 1999, Tehran, Islamic Republic of Iran.**
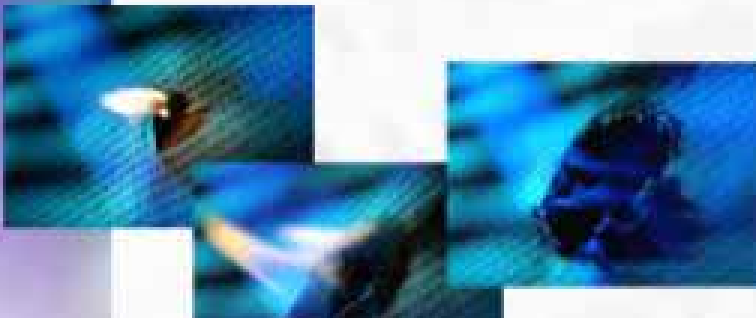
Contd.

➢ **Workshop on processing and standardization of medicinal plants, 11-13 November 2000, Mashad, Islamic Republic of Iran.**

➢ **International workshop on traditional Chinese medicine, 22-24 November 2000, Wuhan, Hubei Province, China.**

➢ **Consultative meeting of BIMST countries on biodiversity conservation and sustainable industrial utilization of medicinal plants, 20-22 May 2002, Bangkok, Thailand.**

ESTABLISHMENT OF APTMNET

Based on the recommendations made in the international and regional workshops, the proposal was approved by the 16th TAC/GB meetings of APCT and also endorsed by the 57th ESCAP Commission Session
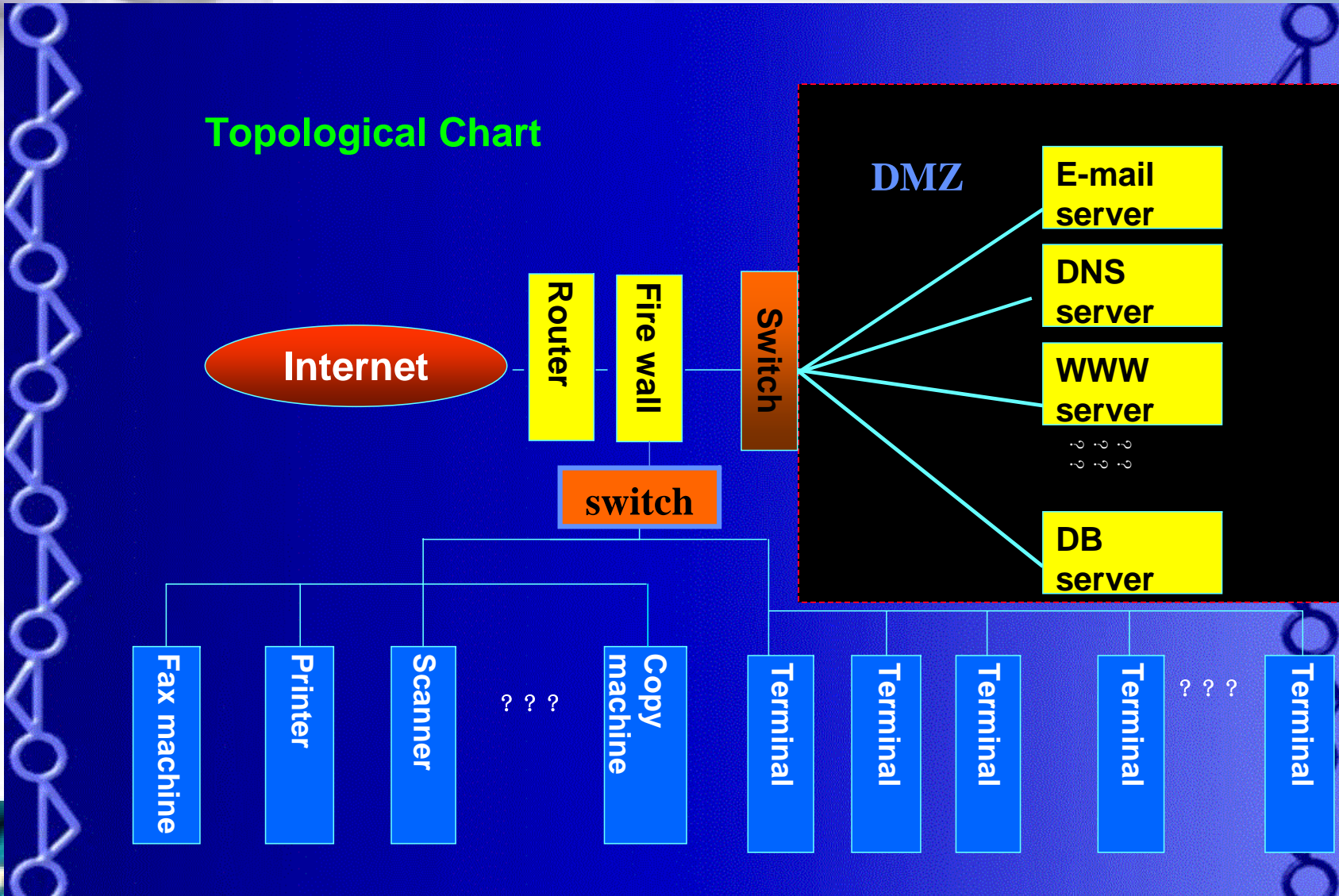
OBJECTIVES

To promote :

➢ **Sharing & dissemination of information on existing as well as new & emerging technologies among countries of the region and the world.**

➢ **Cooperation among member countries on biodiversity conservation, processing of traditional medicine, quality control & standardization, protection of IPRs and traditional knowledge.**

➢ **Technical & industrial collaboration among SME, R&D institutions and intermediaries engaged in the field.**

➢ **Exchange of experts & organize technology transfer events among member countries.**
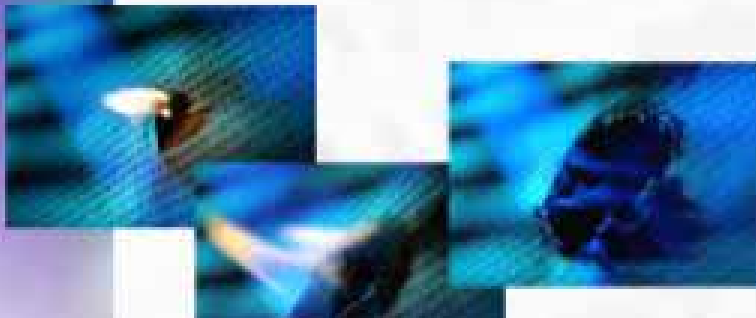
TOPOLOGICAL CHART

Topological Chart

Internet — Router — Fire wall — Switch

DMZ
- E-mail server
- DNS server
- WWW server
- ? ? ?
- DB server

switch

Fax machine — Printer — Scanner — ? ? ? — Copy machine — Terminal — Terminal — Terminal — Terminal — ? ? ? — Terminal

Jan 1, 2000

GENERAL OUTLINE

APTMNET Framework

Domain Names Policy

———— Main station: www.apctt-tm.net

It is suggested that dual DNS resolution be applied for the nodal stations, with unified second-level domain name being applied under the first-level domain name for each nodal station, e.g.. country name.apctt-tm.net. Meanwhile the nodal station in respective country can own separate domain name through independent registration.
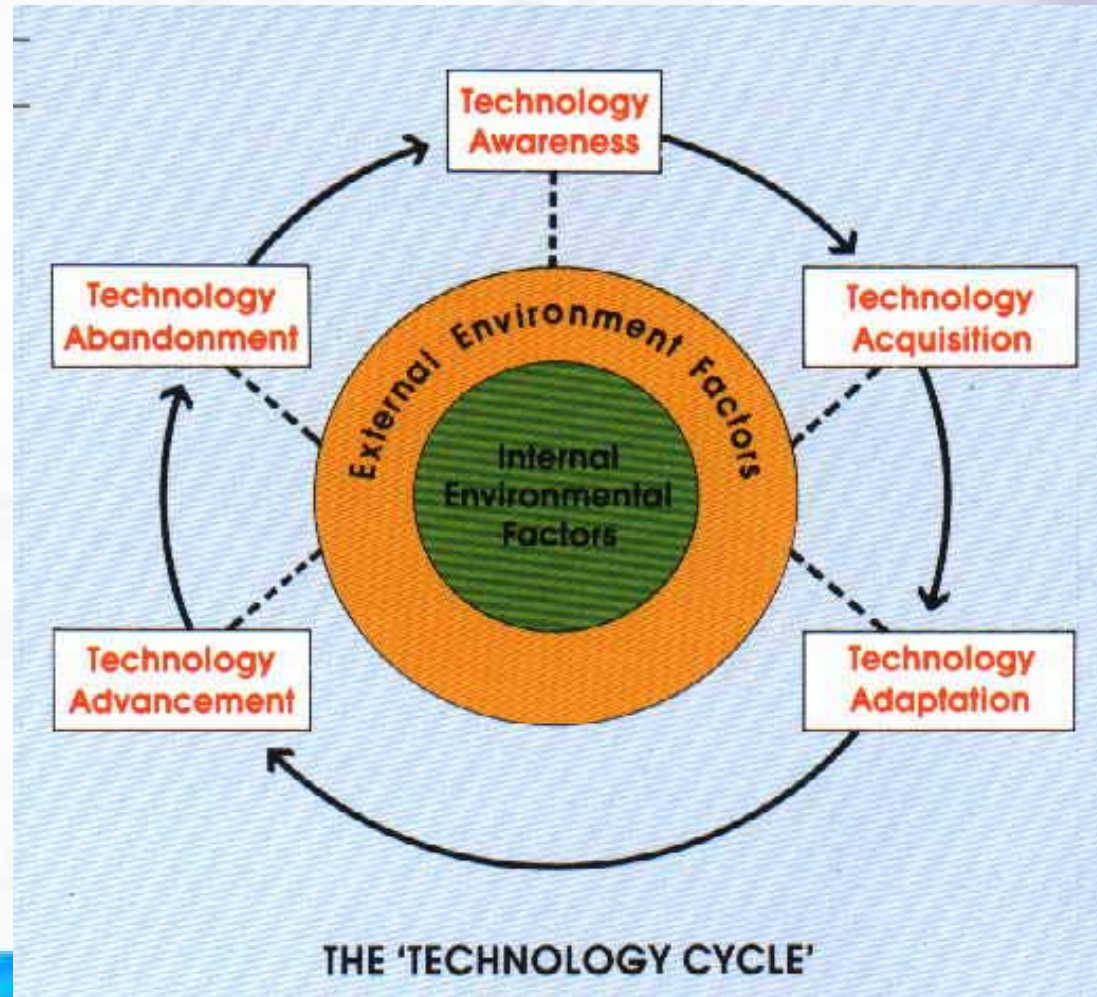
Jan 1, 2000

UNITED NATIONS

ASIAN & PACIFIC CENTRE FOR

TRANSFER OF TECHNOLOGY (APCTT)

www.apctt.org

Jan 1, 2000

TECHNOLOGY MANAGEMENT (TM) PROGRAMMES

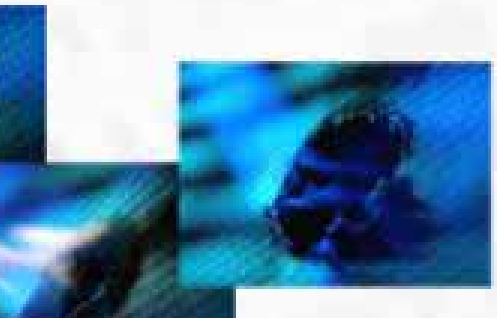THE 'TECHNOLOGY CYCLE'

Capacity Building and Promoting Tech-Entrepreneurship in Selected Agri-Sectors through Regional Technical Cooperation
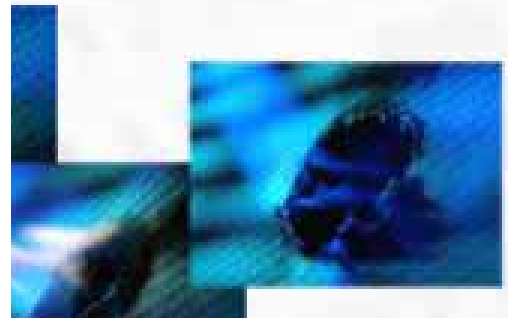
FOCUS

**Enhancing competitiveness in the
new WTO regime both at the enterprises
and Institutional level**

APCTT's CORE COMPETENCE

(Features)

➢ **Evolve model demonstration projects/ programmes based on the needs assessment.**

➢ **Integrate technology management concepts & methodologies.**

➢ **Synergize IT strategies and networking techniques.**

➢ **Pilot test new mechanisms to demonstrate their usefulness.**

➢ **Initiate follow-up actions to ensure effective participation and adoption by member countries.**

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PREREQUISITES FOR EFFECTIVE TECHNOLOGY TRANSFER, ADAPTATION & INNOVATION

TA

➤ **Comprehensive need & Technology Assessment**

TM

➤ **Capacity Building on Technology Management**

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