International Conference on Nanotechnology for Safe and Sustainable Development

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Consultative Meeting on Proposed Nanosafety Networking Platform

2-4 May 2017, Putrajaya, Malaysia

Promoting Technology-based Business Cooperation in Nanotechnology – The Role of APCTT-ESCAP

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Introduction

Asian and Pacific Centre for Transfer of Technology (APCTT) was established in 1977 by the member countries of the United Nations Economic and Social Commission for Asia and the Pacific (UN-ESCAP).

The APCTT building inauguration on 16th July, 1977 Bangalore.

Located initially in Bangalore, India. It is now based in New Delhi, India since 1993.


The APCTT building inauguration on 18th November, 1993 New Delhi.

UNITED NATIONS
ESCAP
Economic and Social Commission for Asia and the Pacific

APCTT
Asian and Pacific Centre for Transfer of Technology

Objectives

Assist member and associate member countries of United Nations ESCAP in strengthening their capabilities to:

- *Develop and manage national innovation systems;*

- *Develop, transfer, adapt and apply technology;*

- *Improve the terms of transfer of technology; and*

- *Identify and promote the development and transfer of technologies relevant to the region.*

Member Countries

observers
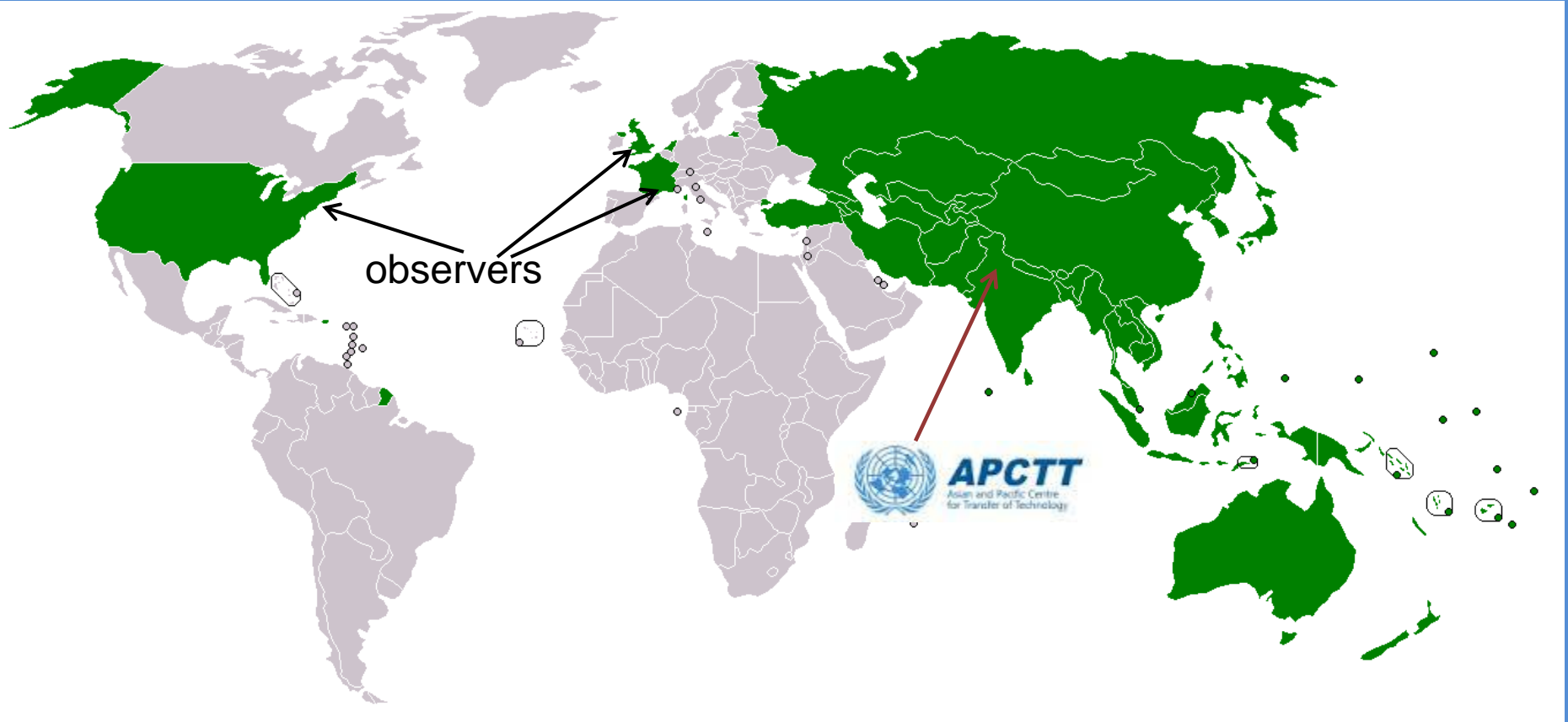
Brief Overview of ESCAP

- Regional development arm of the United Nations for the Asia-Pacific region
- Established in 1947
- 62 member States, home to two thirds of the world's population)
- Headquartered in Bangkok with offices across Asia-Pacific

Focus Areas
1. Environment and Development
2. Energy
3. Information Communications Technology and Disaster Risk Reduction
4. Macroeconomic Policy Development
5. Social Development
6. Statistics
7. **Trade, Investment and Innovation**
8. Transport
9. Sub-regional Priorities
10. Sustainable Development

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Sub Regional Offices of ESCAP

ESCAP Sub Regional Office for East and North-East Asia (Incheon, Republic of Korea)

ESCAP Sub Regional Office for South and South-West Asia Office (New Delhi, India)

ESCAP Sub Regional Office for The Pacific (Suva, Fiji Islands)

ESCAP Sub Regional Office for North and Central Asia (Almaty, Kazakhstan)

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Regional Institutions of ESCAP

- APCICT - Asia and Pacific Training Centre for Information and Communication Technology for Development (Incheon, Republic of Korea)

- **APCTT** - **Asian and Pacific Centre for Transfer of Technology (New Delhi, India)**

- CAPSA - Centre for Alleviation of Poverty through Sustainable Agriculture (Bogor, Indonesia)

- CSAM - Centre for Sustainable Agricultural Mechanization (formerly UNAPCAEM) (Beijing, China)

- SIAP - Statistical Institute for Asia and the Pacific (Chiba, Japan)

- APCDIM - Asian and Pacific Centre for Disaster Information Management (Tehran, Islamic Republic of Iran)

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Key Focus Areas of APCTT

Science, Technology and Innovation (STI)

Development and adoption of sound science, technology and innovation (STI) policies and support mechanisms by member countries for fostering technology innovation, technology-based entrepreneurship and competitiveness of SMEs.
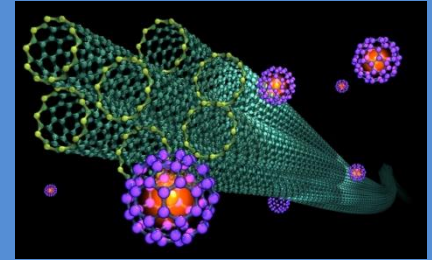
Technology Transfer

Member country institutional capacity building to identify, acquire and adopt technologies and provide IT-enabled mechanisms to facilitate technology transfer and related intermediary services.

Technology Intelligence

Provide IT-enabled access to technology information services to technology stakeholders in member countries and undertake normative and analytical studies.

APCTT's Work Programme

APCTT's Web-based Platforms

APCTT has developed various free of cost, regional information repositories in the form of internet-based on-line tools and information platforms. Some of the key technology transfer on-line tools / information platforms are provided below:

- ❖ **Technology4sme Database (www.apctt.org)**
- ❖ **Global Technology Databases (www.apctt.org)**
- ❖ **Renewable Energy Technology Bank (www.apctt.org)**
- ❖ **Tech Monitor. Net (www.techmonitor.net)**

APCTT's Web-based Platforms and Tools....

Technology4sme is

➤ A regional platform for technology suppliers and seekers from the Asia-Pacific region and beyond

➤ An IT powered mechanism that helps technology based small and medium enterprises in exploring opportunities across the region

➤ An effective source of information on technological development at regional level and also on technology related events such as conferences, workshops, exhibitions organized in the Asia Pacific region

APCTT's Web-based Platforms and Tools …

Target Group

- **SMEs**: the technology based small and medium enterprises (SMEs) primarily from the Asia Pacific region;

- **Tech Suppliers**: the technology developers keen on selling their technologies to potential customers from the Asia Pacific region;

- **Tech Seekers**: the SMEs from the Asia Pacific region keen to source new technologies to upgrade, expand, or start new ventures;

- **Policy Makers**: the technology experts keen to know about the technology trends, tech news and tech events in the region

APCTT's Web-based Platforms and Tools …

Why Technology4SME?

- Free of cost service provided by UN-APCTT

- Transparency

- To explore market opportunities / technologies in the Asia Pacific region and beyond

- Opportunity to showcase the technologies / products in the main page, free of cost for a fortnight

APCTT's Web-based Platforms and Tools …

Preparing & Uploading Tech offers / Tech requests

Uploading Tech Offers

Uploading Tech Requests

Global Technology Databases

Renewable Energy Technology Bank

APCTT's Web-based Platforms and Tools…

Tech Monitor Website (www.techmonitor.net)

Tech Monitor website provides free access to APCTT's On-line publications, Asia Pacific Tech Monitor as well as Value Added Technology Information Service (VATIS).

Asia-Pacific Tech Monitor is a quarterly periodical that brings up-to-date information on trends in technology transfer and development, technology policies, new products and processes.

Value Added Technology Information Service (VATIS) publications provides information on latest technological innovations in five areas namely, Non-Conventional Energy, Waste Management, Ozone Layer Protection, Biotechnology and Food processing from more than 35 countries.

Technology Intelligence

Asia-Pacific Tech Monitor — Vol. 29 No. 4 Oct - Dec 2012
Strengthening innovation-driven inclusive and sustainable development
Promoting Nanotechnology Applications — The Role of R&D Institutes to Enhance Competitiveness of SMEs
Plus
- Technology News and Events
- Tech Ventures & Opportunities
- Business Coach
APCTT-ESCAP — Asian and Pacific Centre for Transfer of Technology

VATIS UPDATE Food Processing — Vol. 3 No. 114 ● Oct - Dec 2012 — ISSN 0971-5649
Apprise yourself with the latest technological innovations
Highlights
- Mobile food allergen testing device
- Tasty and gluten-free pasta and pastries
- New coating increases shelf-life of fruits
- Technology for low-cal carbonated lassi
- The packaging that boils egg
- Supercritical fluid extractor

VATIS UPDATE New and Renewable Energy
Apprise yourself with the latest technological innovations
Highlights
- Generating steam from sunlight
- Wind turbine gearbox
- New wave power technology
- Wastewater to energy storage cells
- Researchers split hydrogen from water
- Biocrude oil from wastewater
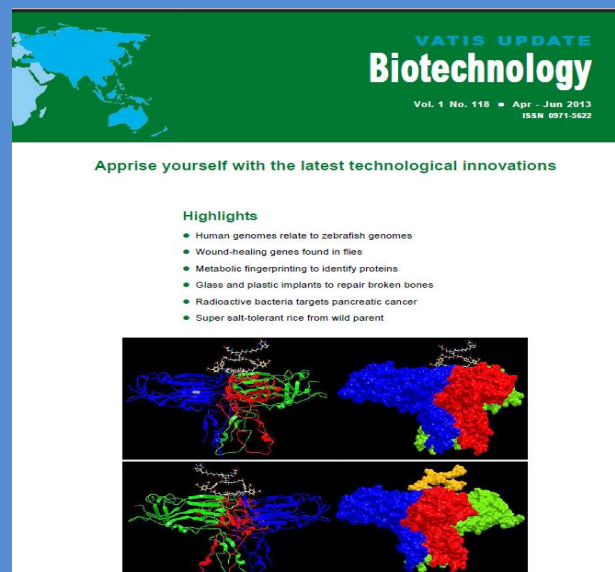
VATIS UPDATE Biotechnology — Vol. 1 No. 118 ● Apr - Jun 2013 — ISSN 0971-5622
Apprise yourself with the latest technological innovations
Highlights
- Human genomes relate to zebrafish genomes
- Wound-healing genes found in flies
- Metabolic fingerprinting to identify proteins
- Glass and plastic implants to repair broken bones
- Radioactive bacteria targets pancreatic cancer
- Super salt-tolerant rice from wild parent

Promoting Technology-based Business Cooperation

Concluding Remarks

- **There are multiple ways in which APCTT could support technology-based business cooperation in Nanotechnology**

- **There are no charges/fee for using any of the services offered by APCTT**

- **Being a Regional Institution of United Nations with a specific mandate to promote technology transfer, APCTT strives to be an enabling platform for knowledge sharing, regional networking, business partnerships and capacity building**

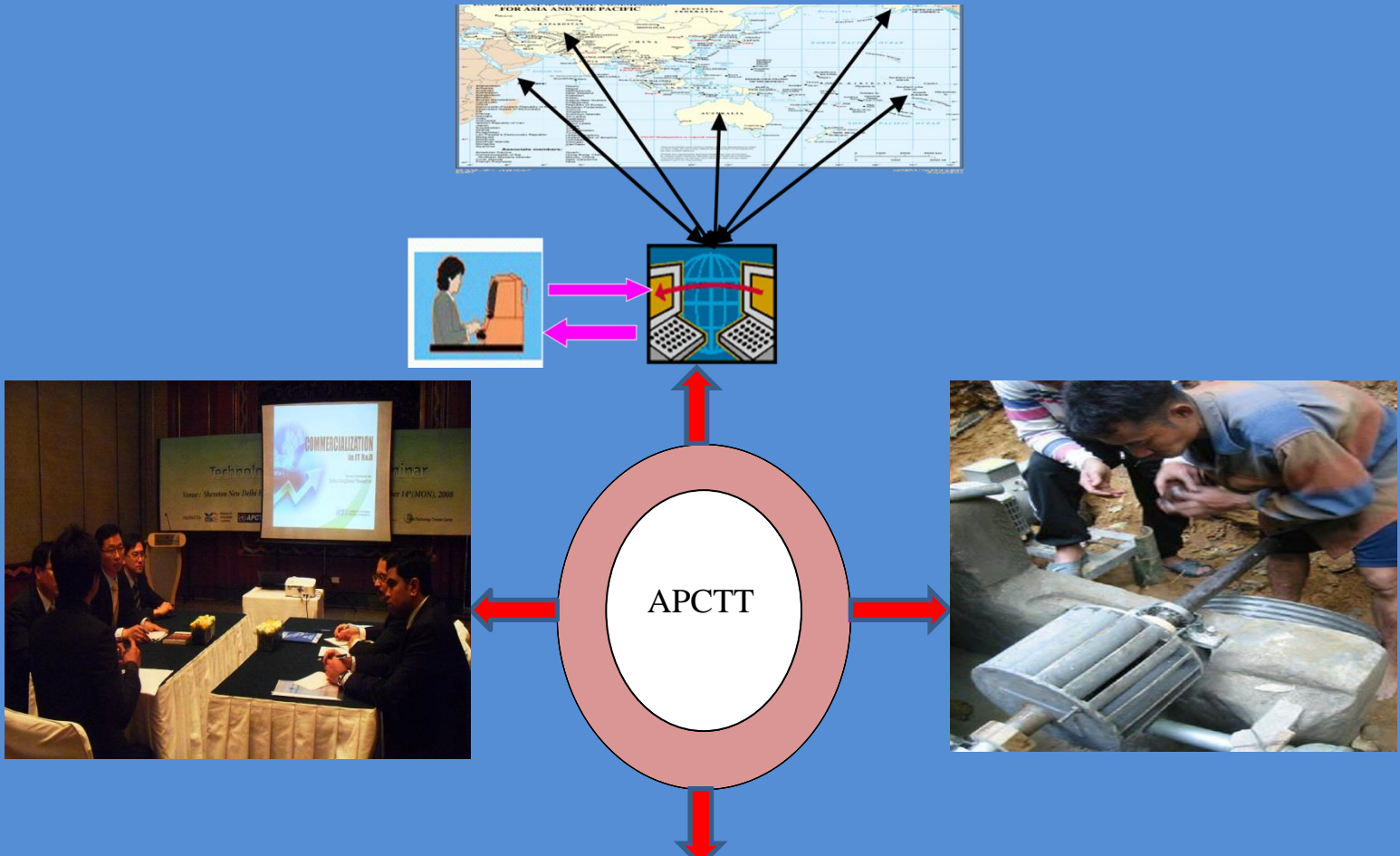- **APCTT facilitates South-South, North-South as well as triangular cooperation modalities for promoting cross-border technology transfer and technology-based business partnerships among countries in the Asia-Pacific region.**

Disclaimer

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Designations such as '*developed*', '*industrialised'* and '*developing*' are intended for convenience and do not necessarily express a judgement about the stage reached by a particular country or area in the development process. Mention of firm names, commercial products and/or technologies does not imply the endorsement of the United Nations Economic and Social Commission for Asia and the Pacific.

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