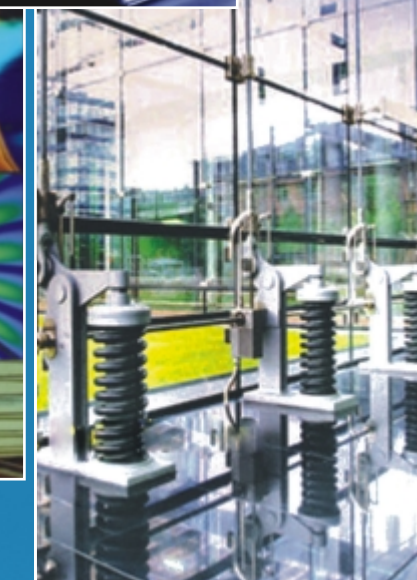


APCTT, based in New Delhi, has since its inception in 1977, been involved in technology transfer capacity-building of thousands of small and medium scale enterprises (SMEs) in the Asia-Pacific region through the provision of advisory and support services, including IT-powered technology transfer support mechanisms and promotion of innovation management capacity at the national, sectoral, firm and grass roots levels.



## OVERVIEW

Established in 1977 under the aegis of the United Nations Economic and Social Commission for the Asia and Pacific (ESCAP), APCTT strives to strengthen the national capacity of its member countries to nurture and promote National Innovation Systems to create an enabling environment for the development and transfer of technology so that they could meet developmental challenges in today's globalised knowledge economy.

APCTT actively engages with all member and associate member countries of ESCAP to meet the development challenges of the region. It receives valuable guidance and support from over 15 active member countries of which 12 form its Governing Council and Technical Committee that envisage and advice APCTT on the formulation of its work programme for the Asia-Pacific region.

## OBJECTIVES

The objectives of the Centre are to assist the members and associate members of ESCAP to strengthen their capabilities to develop and manage national innovation systems; to 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.

APCTT is committed towards fulfilling this mandate to provide the best value to its member countries and stakeholders in the Asia Pacific region.

## CORE COMPETENCIES

- ❑ Building technology transfer capacity of SMEs and technology transfer intermediaries through the provision of a range of advisory, training and support services, including IT-powered transfer mechanisms and networks.
- ❑ Promoting innovation management capacity at the national, sectoral, firm, and grassroots levels by facilitating exchange of experiences and benchmarking of best practices among member countries in the Asia-Pacific region.
- ❑ Disseminating a range of technological information on technology transfer and innovation management that emphasizes the imperative of utilizing economically viable and environmentally sound technologies.
- ❑ Developing normative and analytical studies in the areas of technology transfer and innovation management that can be used as a basis for policy dialogue and training.

## ACTIVITIES

### Technology Exchange Services

**Technology4sme and Business-Asia** Tech4sme and Business-Asia are comprehensive web-based portals designed by APCTT under the GTZ funded project "Promotion of Technology Transfer Network for Small and Medium Enterprises in the Asia Pacific Region". In consultation with member countries these web-based business portals were developed to help SME's in the region enhance their competitiveness through technology based interventions. The two websites while carrying different contents essentially complement each other. While the Technology4sme serves as an online technology market where technology-based suppliers and seekers from across the Asia-Pacific region can exchange their offers and requests, Business-Asia is an online platform to share ideas, information and resources necessary for facilitating technology transfer among involved players from across the Asia Pacific region and beyond. APCTT provides these web-based services, free of cost for the benefit of SMEs and entrepreneurs in countries of the Asia Pacific Region.

For more information visit: [www.tech4sme.net](http://www.tech4sme.net), [www.business-asia.net](http://www.business-asia.net)



## HISTORY

As early as 1965, at the first Asian Congress on Industrialization held in Manila, it was recommended that facilities be created to disseminate technical information and facilitate the transfer of technology in the Asia-Pacific region through a regional mechanism. Subsequently, through Resolutions 159 and 164 of the thirty-first (1975) and thirty-second (1976) sessions of ESCAP, the Regional Centre for Technology Transfer (RCTT) was established at Bangalore in India on 16 July 1977. The Government of India offered host facilities for the Centre. At the forty-first session of ESCAP, following resolution 243 (XLI) of 29 March 1985, the Centre was renamed the Asian and Pacific Centre for Transfer of Technology (APCTT) under the terms of the Statute adopted at this session.

APCTT was relocated from Bangalore to New Delhi on 1 July 1993. The Host Country Agreement according the Centre the status of a United Nations institution with the applicable immunities and privileges was formally signed by ESCAP and the Government of India on 11 April 1994. Through Resolution 61/4 adopted at the sixty-first session of ESCAP on 18 May 2005, a revised Statute of the Asian and Pacific Centre for Transfer of Technology (APCTT) entered into force. APCTT has the status of a subsidiary body of ESCAP and its membership is identical to the membership of the Economic and Social Commission for Asia and the Pacific. The Governing Council and Technical Committee of the Centre advise the Centre on the formulation of its work programme.



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



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

16 July 2007 marked 30 years of the Asian and Pacific Centre for Transfer of Technology (APCTT) and its service and commitment to the region. During these three decades, APCTT has worked continuously to strengthen the technology transfer capabilities of the developing and least developed countries in the region. On its 30<sup>th</sup> anniversary, APCTT renewed its commitment to work more effectively for the socio-economic advancement of the region.

**APTITUDE Search Engine** To supplement the Technology4sme website, APCTT has designed the APTITUDE Search Engine (Asia-Pacific Technology Information Tracking and Unified Data Extraction). The APTITUDE Search Engine is different from other web-based popular search engines in terms of specificity

of the results it generates. This search engine is programmed in such a way that it searches only a list of specified technology databases in the Asia-Pacific region. The degree of specificity in limiting the search engine to a few websites and databases has resulted in considerable amount of flexibility for customizing the software with advantages such as specific target search, specific data mining, exclusion of non-specific information and key words search. For more information check out the APTITUDE Search Engine available on [www.apctt.org](http://www.apctt.org)

### APTITUDE Search Engine

Asia-Pacific Technology Information Tracking and Unified Data Extraction

## Sectoral Technology Networks

**BINASIA** The Biotechnology Information Network for Asia (BINASIA) was established by APCTT with support from the Ministry of Science and Technology, Government of the Republic of Korea and the Korea Research Institute for Biosciences and Biotechnology (KRIBB) in 2003. This network helps national capacity building for commercial exploitation of biotechnology while networking science and business communities in participating countries for cooperative and partnership activities. The BINASIA network links thirteen countries of the region - Bangladesh, India, Indonesia, Islamic Republic of Iran, Malaysia, Mongolia, Nepal, Pakistan, Philippines, Republic of Korea, Sri Lanka, Thailand and Viet Nam. For more information please visit: [www.binasia.net](http://www.binasia.net)

**APTMNET** APCTT established the Asia-Pacific Regional Network for Traditional and Herb Medicinal Technology (APTMNET) in close cooperation with the Hubei Provincial Science and Technology Department in Wuhan, China in 2002. The network aims to become an information exchange centre for traditional medical and herbal medicinal technology and development of herbal medicines in the Asia-Pacific region. APTMNET links fourteen countries of the region - Bangladesh, China, India, Indonesia, Islamic Republic of Iran, Malaysia, Mongolia, Nepal, Pakistan, Philippines, Republic of Korea, Sri Lanka, Thailand and Viet Nam. For more information please visit: [www.apctt-tm.net](http://www.apctt-tm.net)

## Managing Innovation

**National Innovation Systems** With funds received from the Department of Scientific and Industrial Research (DSIR) of the Ministry of



Science and Technology (MOST), Government of India, APCTT implemented a project, from April 2005 to April 2007, to promote the



Fourth Meeting of the Technical Committee of APCTT, November 2008, Bangkok, Thailand

concept of National Innovation Systems (NIS) in countries of the Asia-Pacific Region. During this period, APCTT organized an "Asia-Pacific Forum for Senior Policy Makers" and nine national workshops in eight countries of the region namely China, India, Indonesia, Islamic Republic of Iran, Pakistan, Philippines, Sri Lanka and Thailand. The workshops were organized in cooperation with relevant ministries and institutions of the host countries. The host countries invited and mobilized participation of national experts, senior officials from various ministries, R&D institutions and academia along with CEOs from business and industry. The programmes of the workshops were developed by APCTT in cooperation and consultation with partner institutions of the host country to meet specific areas of national interest. Experts from other member countries were invited by APCTT to share their experiences in the areas identified by the host country. This work will be continued under a second phase of the project. The second phase of the NIS project is being considered for funding by the Government of India.

A web-based NIS Resource Centre has been set up to provide information on trends in NIS policies, news, and good practices in member countries, and facilitate sharing of experiences. The presentations made by resource speakers and national experts during the Asia Pacific Forum and national workshops and the recommendations of these programmes constitute a major component the NIS Resource Centre. For more information please visit: [www.apctt.nis.org](http://www.apctt.nis.org)

**GRI Project** In 2007, APCTT initiated a project to promote the scouting, documentation and dissemination (SDD) of Grassroots Innovation (GRI) in the Asia-Pacific Region. This project was funded by the Department of Scientific and Industrial Research of the Ministry of Science and Technology, Government of India. The "Knowledge Partner" for this project was the Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI), an internationally renowned organisation based in Ahmedabad, India.

Under this project, APCTT organized an Asia-Pacific regional workshop for senior policy-makers in Nanjing, China to obtain insights and guidelines to initiate SDD of GRI in member countries. Fourteen countries participated in this meeting and China, Indonesia, Philippines and Sri Lanka volunteered to initiate an SDD programme in their countries. Experts from these countries were trained at another Regional Workshop in Ahmedabad, India. National Workshops were then held in the four partner countries to impart SDD skills to a wider national base.

A follow-up project to develop the capacity of member countries to commercialize GRI is envisaged.

## Technology Information Services

**Periodicals** One of the key mandates of APCTT has been to provide a platform for the provision of technology information services to policy makers, technology transfer intermediaries and SMEs in the Asia-Pacific region to foster

balanced growth in an environmentally sustainable manner. APCTT's bi-monthly periodicals, the Asia-Pacific Tech Monitor and the Value Added Technology Information Service (VATIS) updates, disseminate a range of technological information including technology transfer and innovation management that are linked to issues such as environmentally sustainable growth, climate change, energy security, gender equality and inclusive development. These publications provide SMEs and national policy analysts with the latest information on technology trends in the region and provide direction for substantive work.

In concurrence with the recommendations of the Governing Council of APCTT, starting from September 2008, Tech Monitor and VATIS Updates will become completely web-based so that they can be freely accessed from our website. The website also has an archived collection of past issues of the Tech Monitor and VATIS Updates. It is regularly accessed by SMEs, policy analysts, researchers, academics and technology transfer intermediaries in the region.

**Asia Pacific Tech Monitor** Published since 1983, the Tech Monitor is a bi-monthly periodical to monitor technology trends and developments, technology policies, and new products and processes. It also lists selected technology offers and requests received from around the world. To date, more than 150 issues have been published each focusing on a special theme. Some of the



themes that have been covered recently are Energy and Sustainable Development, Women's Empowerment-Technology and Microfinance. Visit our website [www.techmonitor.net](http://www.techmonitor.net) to access the contents and download Tech Monitor free of cost.

**VATIS Updates** The Value Added Technology Information Service updates have been published by APCTT since 1993 in collaboration with national and international organisations. These Updates, tailored to policy-makers, industries and technology transfer intermediaries provide information on latest technological developments and events in specific areas of contemporary relevance. Each bi-monthly issue of the Update disseminates information on more than forty latest technological innovations, market, books and events collected from across the world. Currently the VATIS updates focus on the following five specific areas: **Biotechnology, Waste Management, Non-Conventional Energy, Food Processing and Ozone Layer Protection.**



Visit our website [www.techmonitor.net](http://www.techmonitor.net) to access the contents and download the VATIS Updates free of cost.

**Books and Reports** Over a period of three decades, the Centre has implemented a number of projects on a range of subjects related to technology transfer and innovation management. As a result more than forty books and reports have been published. A list of these publications is available at our [website www.apctt.org](http://www.apctt.org)



### Normative and Analytical Work

To foster cooperation between its members in the promotion of economic and social development in the Asian and Pacific region, ESCAP undertakes a combination of normative, analytical and technical cooperation work. Regional-level analysis includes a review of the socio-economic performance in the region to identify trends, highlight good practices and foster regional cooperation. To assist ESCAP in this endeavour, APCTT has initiated normative and analytical work with a regional perspective that could serve as a basis for operational activities.

Based on the guidance received at the second and third sessions of the Governing Council and the Technical Committee, APCTT has commenced normative and analytical work in the following areas:

- Barriers to technology transfer in SMEs and MSMEs and initiatives needed for their mitigation.
- An assessment of the impact of technology transfer activities on social development,

such as employment generation, the elimination of gender inequalities and poverty reduction.

- Best practices of the utilization of research and development results by SMEs and the private sector.

A comparative study of technology transfer laws and regulations in the Asia an and Pacific region.

The Centre has completed a study on "Fostering Women Entrepreneurship Development."

### NEW INITIATIVES

Strengthened by 30 years of experience as the technology gateway for Asia and the Pacific, we at APCTT are trying to leverage the growth momentum of the technologically and economically dynamic member countries to the rest of the region - through benchmarking best practices and sharing of experiences from a technology capacity building perspective. We hope our efforts would contribute towards meeting the ultimate challenge for the region to bring the 680 million poor into the economic mainstream and to enable everybody to achieve a better standard of life, as envisaged in the Charter of the United Nations.

At present, our activities are directed towards technology capacity building, promotion and management of innovation and sub-regional and regional networking to enable the countries of the Asia-Pacific region to respond to the challenges posed by the new global economy and to achieve the MDGs.

Some of the new projects that APCTT is now focusing on are:

- Promoting capacity building in the Asia-Pacific Region through a regional cooperation mechanisms to help member countries to effectively utilize renewable energy technologies.
- National Innovation Systems, Phase-II.
- Strengthening innovation in R&D Institutes in the Asia Pacific Region.
- Promoting South-South cooperation in selected areas of technology.
- Expanding the Asia Pacific Traditional Medicine and Herbal Technology network.
- Technology transfer capacity building in the Asia-Pacific region.
- Promoting the commercialization of GRI.



Bangladesh



China



Fiji



India



Indonesia



Islamic Republic of Iran



Malaysia



Pakistan



Sri Lanka



Thailand



Vanuatu



Viet Nam