
Regional Workshop on Planning and Managing Technology Transfer for Inclusive Development
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Tools and Platforms for Facilitating Technology Transfer for CSIs

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New Delhi, India**

Outline

- Technology Transfer for Cottage and Small Industries – Basic Facts
- Role of International Organizations
- Introduction to APCTT
- Regional Technical Cooperation
- Supporting Technology Transfer
- Knowledge Networks and Platforms
- Concluding Remarks

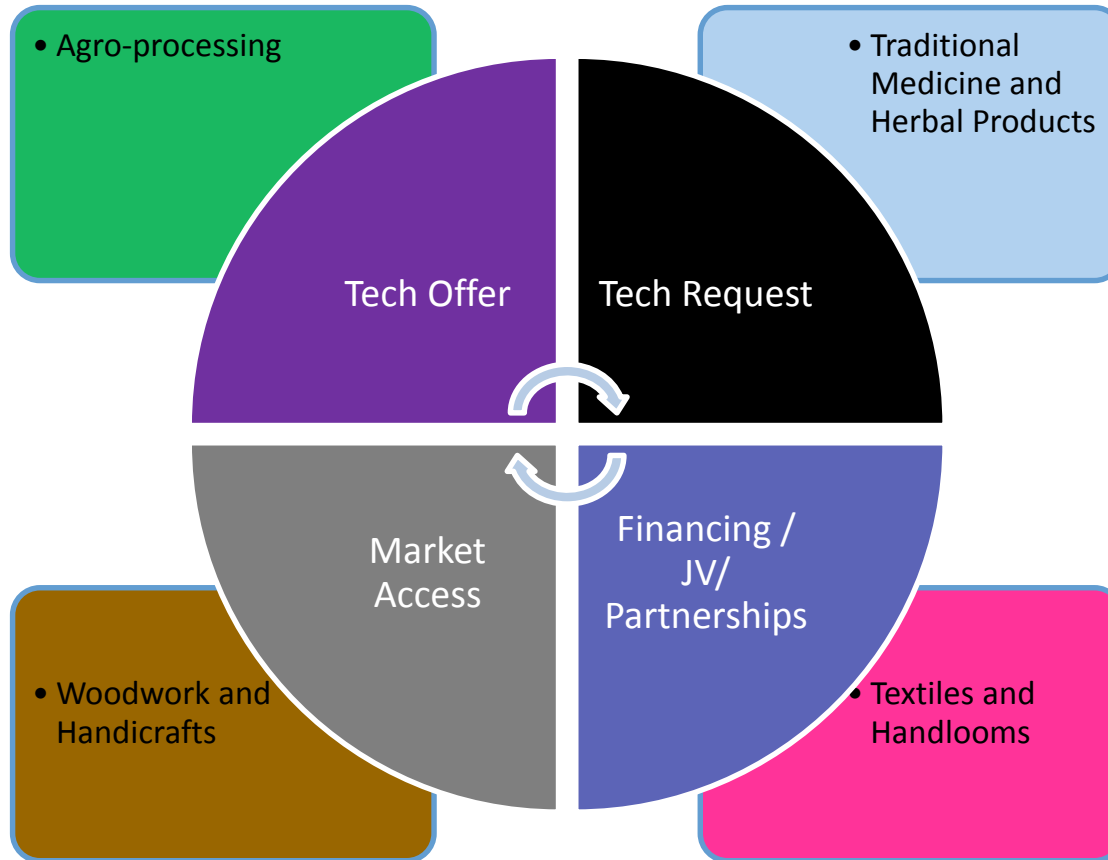
Technology Transfer for Cottage and Small Industries – Basic Facts

- Due to lack of financial and skilled human resources for undertaking in-house R&D, CSIs require external assistance for technology transfer
- Import of machinery and technical assistance programmes implemented by specialized institutions are the principal sources of technology transfer for CSIs
- Institutional mechanisms need to be strengthened for providing regular information to CSIs on availability and sourcing of new technologies, support systems and training opportunities
- Support is also required to bring foreign expertise (human resources as well as know how) for upgradation of technologies or introducing new technologies

Technologies for Cottage and Small Industries



Technology Transfer for CSIs



Role of International Organizations in Technology Transfer

- International Organizations play a crucial role in facilitating technology transfer (TT) among countries, **as they work across borders**
- Many international organizations have **established dedicated networks and initiatives** for promoting cross-border technology transfer.
- They contribute significantly to the worldwide **exchange of knowledge and best practices**, addressing the lack of awareness and the need for capacity-building.
- International organizations facilitate **access to technologies, partnerships, finance and various other support mechanisms**
- The **Online Platform of the Technology Facilitation Mechanism (TFM)** is an excellent example of what International Organizations can do to facilitate cross-border TT

International Organizations in Technology Transfer



Search

If you would like to request or offer an opportunity, let us know and we will forward it to our network members

Make a request or offer



Introduction to APCTT

- ❖ **Established in 1977** by ESCAP Member States. Hosted by Government of India, additional financial contributions from other member countries
- ❖ **Mandate:** *Support member countries of ESCAP 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.***



Regional Technology Cooperation

- Promote North – South, South – South, Triangular regional and international cooperation
- Enhance knowledge sharing, strengthen National Innovation Systems (NIS) and technology transfer capacity, and promote evidence-based STI policy making
- Promote development, transfer, dissemination and diffusion of environmentally sound technologies (ESTs) to developing countries on favorable terms
- Harness new and emerging technologies that have the transformative potential for helping countries to achieve SDGs.

Supporting Technology Transfer

APCTT assists SMEs, R&D Institutions, Researchers, Technology Seekers, Technology Providers, Government Organizations through

- ❑ Sharing information on technology opportunities
- ❑ Promoting technology-based business partnerships
- ❑ Disseminating latest trends in specific technological sectors (through publications)
- ❑ Facilitating cross-border technology transfer events (B2B meetings in specific sectors).

Technology Transfer Capacity Building

Training of Trainers Programme on Technology Transfer

- ❑ APCTT has been organizing Training of Trainers (ToT) programmes on Planning and Managing Technology Transfer projects for strengthening the technology transfer capacity of ESCAP member countries.
- ❑ Over 5000 representatives from SMEs and SME support institutions have been trained by APCTT in Bangladesh, Nepal, Thailand, Philippines, India, Fiji Islands, Pakistan, Islamic Republic of Iran, Sri Lanka, Viet Nam, Malaysia, Indonesia and China.

Regional Cooperation Mechanisms



Asia-Pacific Online NIS Resource Centre
<http://apctt.org/nis/>



Renewable Energy Cooperation
Network for Asia Pacific (RECAP)
<http://apctt.org/RECAP/>

Biotechnology Information Network for
Asia (BINASIA)



Asia-Pacific Nanotechnology
R&D Management Network
<http://apctt.org/nanotech/>

Knowledge Networks and Platforms



Technology4SME



Technology Intelligence
<http://www.techmonitor.net>




Renewable Energy Technology
Bank




Technology4SME Platform

The screenshot shows the top navigation bar with links: About APCTT, Focus Areas, Member Countries, Events, Resource Centre, and Contact Us. Below the navigation bar are the logos for APCTT (Asian and Pacific Centre for Transfer of Technology) and ESCAP (United Nations Economic and Social Commission for Asia and the Pacific). The main content area features a yellow banner for "Technology Offers (855)". On the left, there is a "Sectors" list with the following items: Aerospace (6), Textile (4), Energy (23), Environment (23), Food Processing (40), Garment (1), Information Technology (61), and Instrumentation (4). A red "Submit Technology Offer" button is positioned above the sectors list. On the right, there is a green "Technology4SME Database" section with buttons for "Login", "Register", "Technology Offers", "Technology Requests", and "Joint venture & Partnership".

About APCTT Focus Areas Member Countries Events Resource Centre Contact Us

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for Transfer of Technology

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of the United Nations Economic and Social Commission for Asia and the Pacific

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

Technology Offers (855)

[Submit Technology Offer](#)

Sectors

- Aerospace (6)
- Textile (4)
- Energy (23)
- Environment (23)
- Food Processing (40)
- Garment (1)
- Information Technology (61)
- Instrumentation (4)

Technology4SME Database

- [Login](#)
- [Register](#)
- [Technology Offers](#)
- [Technology Requests](#)
- [Joint venture & Partnership](#)

Technology4SME Platform (Cont'd)

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

Preparing & Uploading Tech offers / Tech requests

Uploading Tech Offers

Submit Technology Offer

This section enlists all the technology offers available under various sectors. The members can browse and submit a new technology offer. While submitting tech offers, the members should fill in the fields appropriately as it makes their technology offers stand out better.

* Indicates fields are mandatory

* Title of Technology	<input type="text"/>
* Sector	Select <input type="button" value="v"/>
* Country	India <input type="button" value="v"/>
* Description	<input type="text"/>
* Area of Application	<input type="text"/>
Advantages	<input type="text"/>
Environmental aspects	<input type="checkbox"/> Cleaner Production <input type="checkbox"/> Energy efficiency <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waste utilization <input type="checkbox"/> Systems integration <input type="checkbox"/> Other
Development Status	<input type="checkbox"/> Idea <input type="checkbox"/> Laboratory Model <input type="checkbox"/> Commercial Prototype <input type="checkbox"/> Design <input type="checkbox"/> Pilot Plant <input type="checkbox"/> Fully Commercialized
Legal Protection	<input type="checkbox"/> Trade Mark <input type="checkbox"/> Patent <input type="checkbox"/> Others
Technical specifications	<input type="text"/>
* Transfer Terms	<input type="checkbox"/> Consultancy <input type="checkbox"/> Technical services <input type="checkbox"/> Turnkey <input type="checkbox"/> Subcontracting <input type="checkbox"/> Technology Licensing <input type="checkbox"/> Others <input type="checkbox"/> Joint Venture <input type="checkbox"/> Equipment Supply
Target Countries	Afghanistan Albania Algeria American Samoa (For multiple selection use "ctrl" key)
Estimated cost(US\$)	<input type="text"/>
Upload	<input type="text"/> <input type="button" value="Browse..."/>
Upload	<input type="text"/> <input type="button" value="Browse..."/>
Contact Details (Click to fill / Edit)	
Do You wish to display your contact details online?	<input checked="" type="radio"/> Yes <input type="radio"/> No

Uploading Tech Requests


Submit Technology Request

This section enlists all the technology requests available under various sectors. The members can both browse and submit a new technology request. While submitting tech requests, the members should fill in all the fields appropriately as it makes their technology requests stand out better.

* Indicates fields are mandatory


* Title of Technology	<input type="text"/>
* Sector	Select <input type="button" value="v"/>
* Country	India <input type="button" value="v"/>
* Description	<input type="text"/>
* Area of Application	<input type="text"/>
* Keywords	<input type="text"/>
* Transfer Terms	<input type="checkbox"/> Consultancy <input type="checkbox"/> Joint Venture <input type="checkbox"/> Technology Licensing <input type="checkbox"/> Subcontracting <input type="checkbox"/> Technical services <input type="checkbox"/> Others <input type="checkbox"/> Turnkey Plant <input type="checkbox"/> Equipment Supply
Studies Available	<input type="checkbox"/> Feasibility Report <input type="checkbox"/> Environmental Impact Studies (EIA/EIS) <input type="checkbox"/> Others
Project Type	<input type="radio"/> Start Up <input type="radio"/> Diversification <input checked="" type="radio"/> New Idea <input type="radio"/> Expansion/Modernisation
Estimated project cost (US\$)	<input type="text"/>
Target Countries	Afghanistan Albania Algeria American Samoa (For multiple selection use "ctrl" key)
Assistance sought from potential partner	<input type="text"/>
Additional information	<input type="text"/>
Upload	<input type="text"/> <input type="button" value="Browse..."/>
Upload	<input type="text"/> <input type="button" value="Browse..."/>
Contact Details (Click to fill/ Edit)	
Do You wish to display your contact details online?	<input checked="" type="radio"/> Yes <input type="radio"/> No

Global Technology Databases



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ESCAP
United Nations
Economic and Social Commission for Asia and the Pacific

Global Technology Databases

APCTT has compiled a list of global as well as country-wise technology databases that deal with the technology transfer related services for SMEs and entrepreneurs.

If a particular technology search has been made using APCTT's Technology4SME database and if the search did not yield desired results, the users could use this section to extend their search to other databases listed in this section.

Over 18 technology databases could be readily accessed through this service of APCTT. More technology databases from countries across the globe will be added periodically for the benefit of SMEs and entrepreneurs.

SS GATE Technology Database
<http://ss-gate.info/project-001/>

SATNET Agricultural Technology Database
<http://satnetasia.org/database>

UNIDO Environmental Technology Database
http://www.unido.org/pep/activities/technology_transfer/technology_db/

TECA-FAO Database
<http://teca.fao.org/technologies>

CTI- PFAN Database

Renewable Energy Technology Bank

Renewable Energy Technology Bank (RET-Bank)

Home > Renewable Energy Technology Bank (RET-Bank)

RET-Bank Search

Country:

Technology:

Quick Links

- [Objectives](#)
- [Target Countries](#)
- [Cooperation Mechanisms](#)
- [RET Resource Assessment](#)
- [Guidelines on Intellectual Property](#)

APCTT's Renewable Energy Cooperation Network for the Asia Pacific (RECAP) is an institutional cooperation mechanism that has been set up in accordance with United Nations ESCAP Commission resolution 64/13 of 30 April 2003 on promoting renewables for energy security and sustainable development in Asia and the Pacific. APCTT received generous funding support of the Ministry of New and Renewable Energy, Government of India for establishing this institutional cooperation mechanism for promoting cross-border cooperation in the promotion of renewable energy among countries in the Asia-Pacific region. RECAP aims to strengthen the capacity of member countries to promote the utilization and development of renewable energy technologies (RETs) to meet their energy needs and foster sustainable development. As on date, there are 15 member countries, viz. Bangladesh, China, Fiji, India, Indonesia, Islamic Republic of Iran, Malaysia, Mongolia, Nepal, Pakistan, Philippines, Republic of Korea, Sri Lanka, Thailand, and Viet Nam are part of the RECAP network. This Institutional Cooperation Mechanism is in the form of a network of member countries, facilitated by APCTT, that would continue to perform four major functions, namely:

- Collection and dissemination of information on renewable energy technologies (RETs),
- Sharing of best practices on renewable energy (RE) promotion and utilization,
- Developing capacity to plan and implement RET transfer projects, and
- Promoting research and development (R&D) collaboration in renewable energy technologies.

Since June 2009, APCTT planned and implemented several activities towards establishing this cooperation mechanism including the design and development of RECAP website and RECAP On-line Solution Center to cater to the need of renewable energy practitioners in member countries in the Asia-Pacific region. The primary objective of RECAP network is to facilitate technology transfer cooperation among countries in the Asia-Pacific region in the area of renewable energy. Towards this end, APCTT has developed a "Renewable Energy Technology Bank (RET-Bank)" of tested and proven renewable energy technologies (RETs) initially in the areas of solar, biomass, wind, mini-hydro power and geo-thermal energy. It is envisaged that this technology bank would act as a repository of information on renewable energy technologies that are readily available for transfer and deployment. APCTT has developed this Renewable Energy Technology Bank as on-line technology database freely available for public access through its RECAP website. Visit RET-Bank.

News

- [What's In Store for Offshore Wind in the Next Five Years?](#)
- [Cost Cutting in Q3: Is the CCS Innovation Solar Heat?](#)
- [Green Tech Startups Are Not Necessarily Democratic](#)

[>> more](#)

Other Links

- [RECAP](#)
- [RESOLVE](#)
- [GEMSO](#)
- [REN21](#)

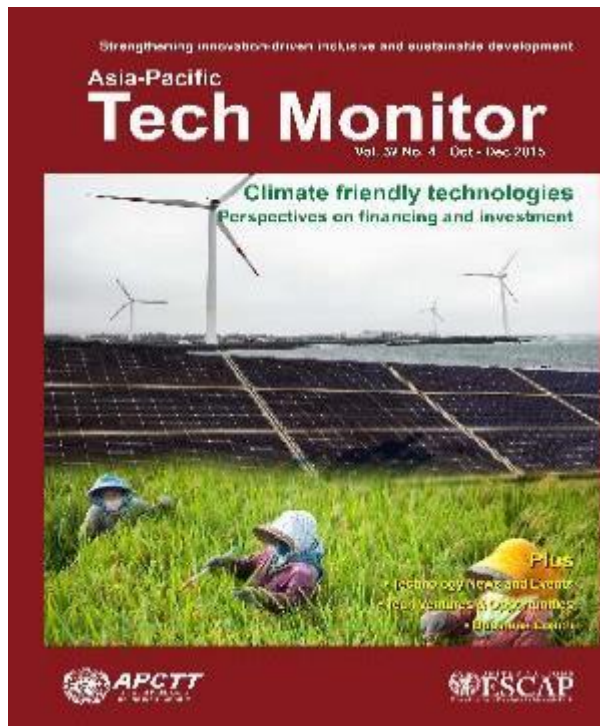
Technology4SME Database

Global Technology Database

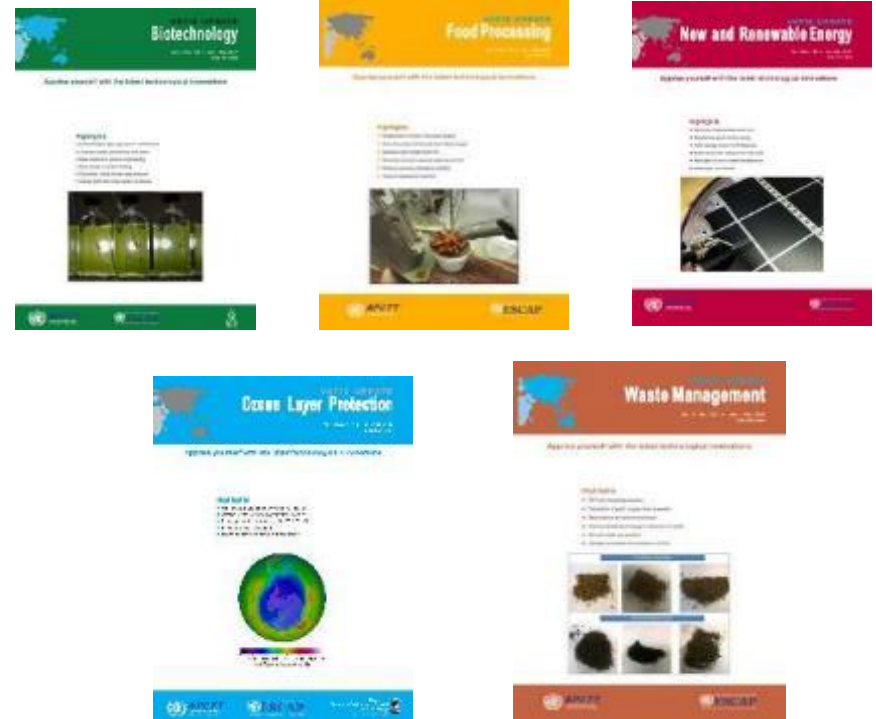
Technology Intelligence

<http://www.techmonitor.net>

Asia-Pacific Tech Monitor



VATIS Updates



Concluding Remarks

- APCTT strengthens technology transfer and utilization capacity of member countries through promoting South-South, North-South as well as Triangular cooperation
- APCTT supports CSIs, entrepreneurs and Startups through its technology transfer platforms, knowledge products, partnership channels through its regional cooperation networks
- To provide support to CSIs as well as SMEs for developing critical skills in cross-border technology transfer, APCTT organizes technology transfer capacity building programme for SME Support Institutions in member states.
- All the services offered by APCTT are free of cost. APCTT implements various activities as part of its core mandate of assisting countries in technology-led, inclusive and sustainable development

Disclaimer

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Thank You

Reach us at

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United Nations ESCAP

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