Asian and Pacific Center For Transfer Of Technology (APCTT)

Of the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)

Draft Strategic Plan of APCTT (2023-27)
Established in 1977 by the member States of the United Nations ESCAP

All member (53) and associate members (9) of ESCAP are de facto members of APCTT

APCTT is based in New Delhi, India (since 1993)

Host facilities are provided by the Department of Scientific and Industrial Research (DSIR), Government of India

APCTT is governed by Governing Council (GC), comprising members & associate members of ESCAP, elected for 3 years

GC meets annually to review (activities, administration and financials) and advise (work programme)

Mandate: Strengthen capabilities of member States to

Develop and manage national innovation systems

Develop, transfer, adapt and apply technologies

Improve the terms of transfer of technologies

Identify and promote the development and transfer of technologies relevant to the region

Inauguration of APCTT building on 18th November 1993 at New Delhi
“Governing Council recommended the Centre to develop a strategic plan and redesign the work programme to bring it into alignment with the current priorities and needs of the member States for consideration by the Council at its eighteenth session”. (Decision 7).

Aim: Redesign APCTT work programme

- To enhance relevance, effectiveness, impact and visibility in the Asia Pacific region
- Better align its activities to the current needs and priorities of the region and its member States
- Prioritization of thematic focus for the next five years
Methodology

Inception

Focused Group Discussions
(a) APCTT GC Members
(b) ESCAP Divisions & Regional Institutes
(c) UN Country Team
(d) Resource Group

Thematic Discussions
(a) Climate Change
(b) Emerging Technologies
(c) Technology Transfer

Key Informant Interviews

Stakeholder survey

Validation Workshop
APCTT – Vision and Mission 2023-2027

VISION
Enhanced cooperation for adoption, diffusion and transfer of innovative and emerging technologies in the Asia Pacific region for addressing climate change and achieving sustainable development goals

MISSION
APCTT is the premier Centre for climate change technologies and innovation and promoting technology cooperation in the region

Be a facilitator/enabler & capacity building/knowledge hub for innovative and emerging climate technologies
Promote an enabling environment for technology cooperation and transfer

IMPACT
Increased adoption of emerging and innovative technologies for sustainable achievement
**Strategic Focus Areas**

1. Technology innovation and scale up of new, emerging technologies

2. Enabling policies and linkages (incl. to technology & financing mechanisms)

3. Enhance cross border cooperation and networking for technology transfer

- Climate Technologies (Climate change mitigation and adaptation)
  - Energy transition/renewables
  - Pollution control
  - Climate resilient infrastructure in cities
  - Digital and 4IR technologies

» Support achievement of SDGs with particular focus on SDGs 7, 11, 13 and 17
Modalities - Service lines

- Policy reviews, comparative policy analysis
- Technology feasibility studies, absorption roadmaps and strategies
- Support to strengthen innovation and entrepreneurship
- Research in innovative financing and operationalization models
- Thematic projects

- Regional technology databases & compendiums (Database Repository)
- Technology experts pool/databases
- Periodicals, guidebooks, thematic papers, case studies
- Digital knowledge sharing platforms
- Innovation challenges
- Community of Practice

- On-demand CB events
- International and regional conferences
- Expert Group Meetings
- Targeted CB modules and trainings
- Training of trainers and eLearning courses
- Fellowship and exchanges
Strengthen tech Institutional frameworks

- Technology facilitation consultations & Expos
  Establish linkages with think tanks, specialized & tech support institutions, financing mechanisms
  - Facilitate technology demonstrations
  - Networking of institutions
  - Regional technology cooperation mechanisms
  - Joint proposals and Joint programs
  - Contribution to Intergovernmental process of ESCAP
**THEORY OF CHANGE APCTT STRATEGIC PLAN 2023-27**

<table>
<thead>
<tr>
<th>Interventions</th>
<th>Outputs</th>
<th>Outcome</th>
<th>Immediate impact</th>
<th>Long-term Impact</th>
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<tbody>
<tr>
<td>Training modules; ToTs; technical support; fellowships, knowledge sharing; needs assessments, demonstrations, etc.</td>
<td>Output 1.1 Enhanced technical knowledge, capacity of innovators and others to develop &amp; absorb technologies</td>
<td>Outcome 1: Member States adopt, absorb, scale up &amp; leapfrog to emerging &amp; innovative technologies (Capacity building)</td>
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<td>Policy reviews; assessments; roadmaps and action plans; research; facilitate partnership for financing of technology transfer, etc.</td>
<td>Output 1.2 Enhanced capacity of governments, institutions and industries to scale up technologies</td>
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<td>Partnerships, regional conferences, regional databases, guidebooks, reports, e-learning courses; regional cooperation mechanisms, joint programmes, etc.</td>
<td>Output 2.1 Enhanced capacity of governments to formulate/ implement enabling policies and frameworks</td>
<td>Outcome 2: Member States formulate/implement enabling policies &amp; frameworks for greater adsorption of emerging &amp; innovative technologies (Policy support)</td>
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<td>Output 2.2 Enhanced capacity of governments to link financing and technical support mechanisms</td>
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<td>Output 3.1 Enhanced support for the development and strengthening of regional networks and institutions for cooperation</td>
<td>Outcome 3: Member States strengthen regional networks &amp; institutions for cooperation &amp; transfer of technologies (Regional cooperation)</td>
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<td>Output 3.2 Increased access to and cross-border sharing of regional knowledge on innovative technologies</td>
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<td>Output 3.3 Strengthened capacity of governments to engage in regional cooperation for transfer of technology</td>
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**SDG targets**

- 7.a International cooperation on energy
- 7.b. Investing in energy infrastructure
- 11.6. Urban Air Quality and waste management
- 11.b. Disaster Risk management policies
- 11.6. Urban Air Quality and waste management
- 13.1 Resilience & adaptive capacity
- 13.2 Climate change policies
- 13.3. Climate change awareness
- 17.6 Science and tech international cooperation
- 17.7 Transfer of technologies
Results to be achieved

Impact: Increased adoption of emerging and innovative technologies for sustainable achievement

Outcomes

Outcome 1: Member States adopt, absorb, scale up & leapfrog to emerging & innovative technologies (Capacity building)

Indicators
- No. of member states that adopt technologies prioritised in APCTT’s strategic plan
- No. of member states amending policy frameworks for climate technologies

Outputs to achieve Outcome 1

Output 1.1 Enhanced technical knowledge, capacity of innovators and others to develop & absorb technologies

Output 1.2 Enhanced capacity of governments, institutions and industries to scale up technologies

Key deliverables: On-demand capacity building; Training modules, Training of Trainers (in partnership with eminent institutions); Young Scientist Fellowships; Needs assessments, Demonstrations, etc.
Results to be achieved

Outcome 2: Member States formulate and implement enabling policies & frameworks for greater adsorption of emerging & innovative technologies (Policy support)

Indicators:

# No. of member states that update their policy frameworks for promotion of technologies prioritised in APCTT’s strategic plan
# No. of member states accessing financial mechanisms for scaling up technologies prioritised in APCTT’s strategic plan

Outputs to achieve Outcome 2

Output 2.1 Enhanced capacity of governments to formulate/ implement enabling policies and frameworks

Output 2.2 Enhanced capacity of governments to link financing and technical support mechanisms

Key deliverables: Policy reviews; assessments; roadmaps and action plans; research; facilitate partnership for financing of technology transfer, Repository of information and databases; Digital knowledge products, etc.
Results to be achieved

**Outcome 3: Member States strengthen regional networks & institutions for cooperation & transfer of technologies**  
(Regional cooperation)

**Indicators**
- # No. of regional cooperation mechanisms established for technologies prioritised in APCTT’s strategic plan
- # No. of member states that have received support for technology transfer through APCTT network
- # No. of thematic areas where APCTT has contributed to Inter-governmental processes of ESCAP

**Outputs to achieve Outcome 3**

Output 3.1 Enhanced support for the development and strengthening of regional networks and institutions for cooperation

Output 3.2 Increased access to and cross-border sharing of regional knowledge on innovative technologies

Output 3.3 Strengthened capacity of governments to engage in regional cooperation for transfer of technology

**Key deliverables:** Partnerships, regional conferences, regional databases, guidebooks, reports, e-learning courses; regional cooperation mechanisms, joint programmes, Communities of Practice and multistakeholder platforms; Contribution to ESCAP intergovernmental processes for climate technology, etc.
## Evolution of APCTT over years

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<th>1980s</th>
<th>1990s</th>
<th>2000s</th>
<th>2010s</th>
<th>From 2020</th>
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<td>Strength S &amp; T policy; Increase access to tech information</td>
<td>Facilitate tech incubators for industry &amp; SMEs</td>
<td>Promote NIS &amp; STI strategies by cooperation mechanisms, networks, portals</td>
<td>Promote tech based sustainable development by building capacity, knowledge transfer and regional cooperation</td>
<td>Realign Strategy in light of COVID, Climate Change and Disasters</td>
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### 2023-2027

Promote accelerated adoption and transfer of emerging and innovative technologies to address climate change and achieve the SDGs through capacity building, knowledge management, technical support and facilitation, and regional cooperation and partnerships.
Thank you