

GEF Update on Technology Transfer

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Technology Transfer and PSP Background

What is the Poznan Strategic Programme on technology transfer?

2007. COP requested GEF to establish programme promoting investment in technology transfer, to help developing countries address their climate tech needs

2008. GEF established Poznan strategic programme (PSP) with funding of USD 50 million

2010. GEF outlined elements of long-term implementation of PSP:

1. Climate technology centres and climate technology network
2. Piloting technology projects
3. Public-private partnership for technology transfer
4. Technology needs assessments
5. GEF as catalytic supporting institution for technology transfer



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PSP Highlights

Climate technology centres and climate technology network

4 regional tech centres under implementation: Africa (AfDB), Asia and Pacific (ADB/UNEP), Eastern Europe and Central Asia (EBRD), Latin American and Caribbean (IDB)

GEF also supported a global Climate Technology Centre and Network project

Piloting technology projects

14 pilot projects, supporting tech transfer on:

Mitigation techs: renewable energy, energy efficiency, transport, and composting

Adaptation techs: membrane drip irrigation, flood- and drought-resistant crops, sustainable land management practices

Technology needs assessments

4 Phases of TNA Global project funded with ~27 million in 100 countries

4th phase Council Approved in June 2019



CTCN Project Status Updates

Project	Region	Status Update
Climate Technology Transfer Mechanisms and Networks in Latin America and the Caribbean	LAC	Extended to December 2019
CTCN project	Global	Under implementation
Asia-Pacific Climate Technology Network and Finance Center	Asia	Closed March 2019
Finance and Technology Transfer Center for Climate Change	ECA	Project extended, expected to close June 2019
Pilot African Climate Technology Finance Center and Network	Africa	Project extended, expected to close June 2019



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Support for Technology Transfer in GEF-7

- ❑ GEF-7 replenishment package adopted in June 2018, total replenishment package \$4.1 billion.
- ❑ Climate change mitigation funding envelope at \$802 million, set aside for \$291 million to finance EAs, CBIT, Integrated Programming (Impact Programs) and **Regional/Global projects** (\$18 million).
- ❑ Country allocations will deliver on the key climate change mitigation priorities, including technology transfer.
- ❑ The GEF will continue to support developing countries in undertaking technology needs assessments (TNA) and piloting priority technology projects to foster innovation and investment through CCM. Set aside support for TNA continues to be available for SIDS and LDCs.
- ❑ CCM projects will continue to be **country driven** and required to demonstrate alignment to national priorities including in national climate strategies and plans, including TNAs



Climate Change Focal Area Programming

- Programmed through **STAR (\$511 million)** and **Set Aside (\$291 million)**
- GHG mitigation target of **1.5 billion tCO₂eq of GHG emissions** will be avoided.
 - Impact Programs are expected to contribute significantly to this target
 - Also, new results architecture aims to capture GHG emissions mitigated through other focal areas
- **Complementarity with other climate funds**
 - Harness synergies through integrated approach for multiple GEBs
 - Focus on innovation and funding demonstration activities that can be scaled up through other means



Objective 1: Promote innovation, technology transfer for sustainable energy breakthroughs

1: Decentralized renewable power with energy storage

- ✓ Energy storage
- ✓ Renewable energy-based decentralized systems (mini-grids)
- ✓ New business models

2: Electric drive technologies and electric mobility

- ✓ Electric mobility
- ✓ Regulatory frameworks that support electric mobility
- ✓ Integration of electric vehicles into the grid
- ✓ Planning for market changes

3: Accelerating energy efficiency adoption

- ✓ Buildings and energy efficiency retrofits in multi-family dwellings
- ✓ District heating and cooling
- ✓ Energy management for industry, equipment and appliances

4: Cleantech innovation

- ✓ Foster technology deployment, dissemination and transfer through entrepreneurship
- ✓ Develop SME and private sector partnerships
- ✓ Fostering local innovations and training entrepreneurs



Objective 2: Demonstrate mitigation options with systemic impacts

☐ Sustainable Cities Impact Program

Targeting urban interventions with significant CCM potential to help cities shift towards low-emission urban development

- Low-carbon planning
- Renewable energy and energy efficiency
- Solid waste and wastewater management

☐ Food System, Land Use, and Restoration (FOLUR) Impact Program

Increase productivity and support livelihoods while reducing GHG emissions and increasing soil quality

- ✓ Climate smart agriculture
- ✓ Sustainable land management
- ✓ Sustainable supply chain for key agricultural commodities

☐ Sustainable Forest Management Impact Program

Maintaining and restoring globally important carbon stocks

- ✓ Amazon
- ✓ Congo Basin
- ✓ Sustainable Drylands



Objective 3: Foster enabling conditions for mainstreaming mitigation concerns into sustainable development strategies



- **Capacity-building Initiative for Transparency (CBIT)**
 - To strengthen national institutions for transparency-related activities
- **Support in the preparation of NDCs**
 - Countries can use their STAR allocation
- **National Communications (NCs) and Biennial Update Reports (BURs)**
 - Up to \$500,000 and \$352,000 respectively (from GEF Global Set-aside for Enabling Activities)

LDCF Objectives and Entry Points

Objective 1



Reduce vulnerability and increase resilience through innovation and technology transfer for adaptation

Objective 2



Mainstream adaptation and resilience for systemic impact

Objective 3



Foster enabling conditions for effective and integrated adaptation



SCCF Objectives and Entry Points

Objective 1



Reduce vulnerability and increase resilience through innovation and technology transfer for adaptation

Objective 2



Mainstream adaptation and resilience for systemic impact

Objective 3



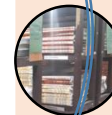
Foster enabling conditions for effective and integrated adaptation



Challenge Program for Adaptation Innovation



Incentive for mainstreaming adaptation and resilience



Support for enabling activities in response to COP guidance



SCCF Modalities

1. Challenge Program

- ✓ Council approved a \$10m threshold for call for proposals and themes
- ✓ GEF Secretariat to screen (pre-select) concepts and invite further development
- ✓ Approval following regular project cycle

2. Incentive

- ✓ Managed outside pre-selection
- ✓ Developed and aligned with regular GEF projects programs
- ✓ Follows regular project cycle



Thank you!

Please email with any questions at
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