



LOW CARBON LOW EMISSION CLEAN ENERGY TECHNOLOGY TRANSFER (LCET) PROGRAMME

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The global energy agenda is being shaped by two predominant forces:



The need to address the energy poverty through reliable, affordable and sustainable forms of energy

ENERGY POVERTY/SECURITY

The need to shift energy production and consumption towards cleaner, efficient and greener patterns to ensure

CLIMATE SECURITY

These forces create opportunities and challenges for all countries to meet twin objectives of ENERGY AND CLIMATE SECURITY for ensuring long term sustainable development





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UNIDO's Energy and Climate Change Programme

Four Strategic Pillars to Promote ISID

Industrial	Renewable	Low-Carbon	Policy,
Energy	Energy for	Low Emission	Partnership and
Efficiency	Productive Uses	Technologies	Global Forums
Energy Management	Smart	Integrated Low	EE & RE Regional and
System-ISO 50001	Mini-Grids	Emission Technologies	National Policies
Energy System Optimization	Renewable Energy for Industrial Applications	Innovative Clean Technologies; Hydrogen, Carbon Capture Storage	Transformational, Strategic and Knowledge Partnerships
Sub-sector, process	Business Models	Sustainable	Vienna Energy Forum,
and product specific		Transport/ Cities	COP, Climate Summit





Low Carbon Low Emission Clean Energy Technology Transfer (LCET) Programme

A Strategic Partnership between UNIDO - Ministry of Economy, Trade and Industry, Japan in Kenya, Ethiopia







New UNIDO-Japan Collaborative Programme

"Catalyzing ISID pathways through adoption & dissemination of advanced low carbon low emission clean energy technologies (LCETs)"

- Duration: 3.5 years
- Starting Date: 1 Sept. 2013
- Budget: USD 5.6 million (additional USD 2.7 million will be allocated in 2014)



Low Carbon Low Emission Clean Energy Technology Programme METI-UNIDO Collaborative Initiative





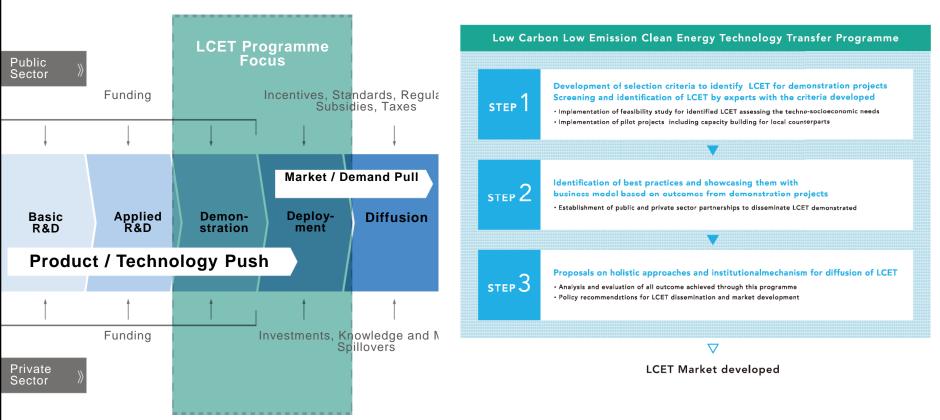


Strategic Focus

Innovative Technology Demonstration
Promoting Productive Capacity
Business Models and Replication
Fostering Strategic Partnerships
Linkage with Joint Crediting Mechanism (JCM)



Technology Transfer Approach Adopted



Register first at the Environmental Technology DB to join the Programme: http://www.unido.or.jp/activities/technology_transfer/technology_db/

Low Carbon Low Emission Clean Energy Technology Programme

Demonstrating Innovative Sustainable Energy Technologies in Ethiopia and Kenya

- Initial Budget: US \$ 5.6 million (additional US \$ 2.7 million replenished)
- Demonstrating Innovative Advanced Micro Hydropower and Solar Energy Technologies in the Initial Phase







Ongoing Micro Hydropower Project in India

- Location: Uttarakhand (North India)
- Budget: USD 1.5 millions
- Key Partners: MNRE, State of Uttarakhand, University and NEDO





- 1st pilot 10 kW mini-grid system running
- Business partnership for local manufacturing established





Video





Results and Impacts

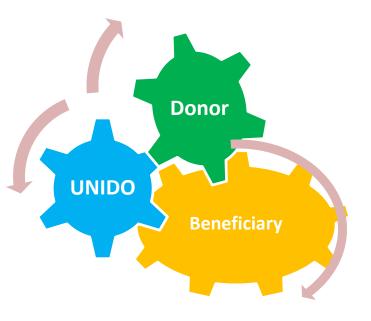
- Demonstrating innovative sustainable energy technologies for enhancing access to energy
- Setting up replicable technology transfer mechanisms for industrial value chain
- Providing a platform for capacity building, knowledge management and business models
- Building policy and institutional framework
- Fostering strategic partnerships (including linking with Joint Crediting Mechanism – JCM)





Outlook for LCET:

- Showcasing best practices of innovative technology transfer
- Building strategic PPP partnerships
- Promoting manufacturing value chain in beneficiary countries
- Promoting sustainable energy for inclusive development





THANK YOU FOR YOUR ATTENTION! Sustainable Energy for Inclusive Development



UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

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