

China-Ethiopia-Sri-Lanka

Biogas, Biomass and Solar Trilateral Cooperation

Transitioning to Sustainable Energy Uses in the Agro-Industry

General Background



Project Title: Biogas, Biomass and Solar Trilateral Cooperation (Transitioning to Sustainable Energy Uses in the Agro-Industry Sri Lanka-China-Ethiopia)



Main Stakeholders: Ministry of Commerce, China

Ministry of Water and Energy, Ethiopia

Sri Lanka Sustainable Energy Authority

Administrative Center for China's Agenda 21

China Agricultural University



Project Goal: To address sustainable development challenges related to international cooperation, access to energy for improved service delivery and sustainable integrated farming practices for Ethiopia and to support Sri Lanka's national target for energy savings and GHG emission reduction through trial and demonstration of biogas, biomass and solar in the agro-industry sector.

Ethiopia: Project Milestones



➤ Millstones achieved

- About 47 percent access rate in Ethiopia, where 35 percent of access is provided through grid connections and 12 percent through off-grid solutions

➤ Electrification needs

- More than half of Ethiopia's population still does not have access to electricity

10-year Perspective Plan and Home-Grown Reform Economic Reform

Climate Resilience Green Economy (CRGE) Vision

National Electrification Program (NEP)- Implementation Roadmap (IRM)



Project goal in Ethiopia: To take a point of departure in the need for renewable energy technology dissemination and scale-up for climate-resilient growth and supports access to energy and sustainable resource consumption through trials and pilot demonstrations of biogas and solar energy for productive uses.



Government Vision: By 2025

- Achieving universal electricity access nationwide by 2025, in a strategic and comprehensive as well as efficient and transparent manner, for the benefit of all its citizens. 65 percent of access provision is targeted with grid solutions and 35 percent with off-grid technologies (solar off-grid and mini-grids).



Sri Lanka: Project Milestones & Role of UNDP

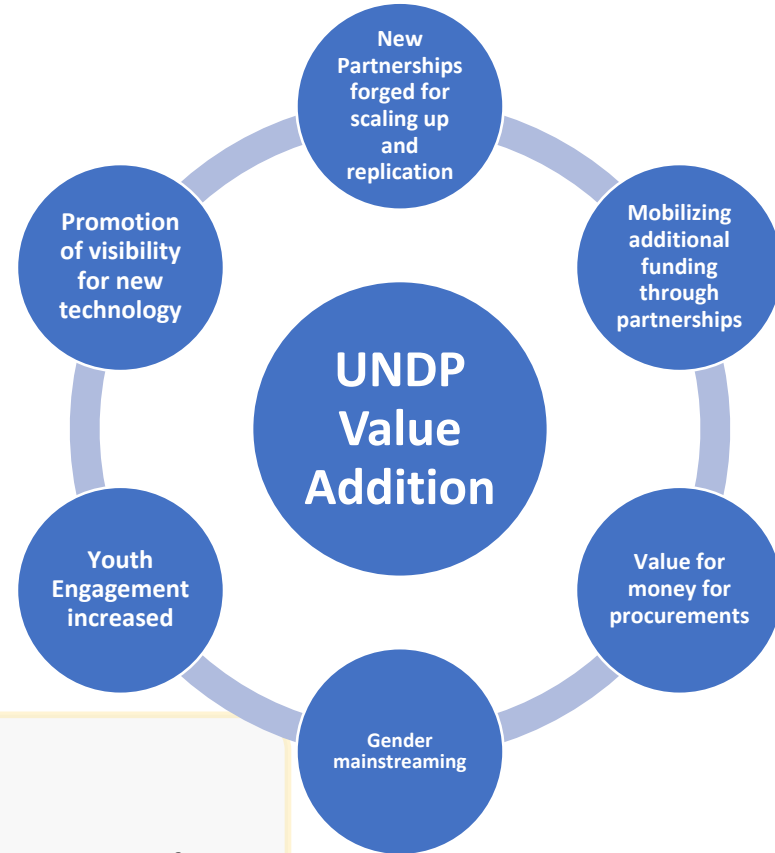


Milestones

- Key renewable energy requirements identified and prioritized in five provinces for the agro-industry.
- Data management system to monitor and report NDCs developed
- Capacity building of 150 provincial officers completed.
- For the first time in Sri Lanka, provincial energy plans for the agriculture sector developed.
- Pilot renewable technologies (new to the country) to improve the productivity of the energy sector identified.
- New partnerships with GoSL and the Private Sector (Kaduwela Municipal Council, Ministry of Agriculture and Lanka Milk Foods Pvt Ltd).



Project Goal for Sri Lanka: supporting the achievement of national targets for energy savings & GHG emission reduction through trials and demonstrations of biogas, biomass and solar in the agro-industry sector.



Government's Vision: By 2030...

- Enhance the contribution of hydro and renewable energy to 70% of the overall energy mix by 2030; and,
- Agriculture development through advanced technological innovations.

Highlights

