UNIDO’s Energy and Climate Change Programme

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Energy and Climate Change Programme
Providing Integrated Energy Solutions for the Inclusive and Sustainable Industrial Development (ISID)

KEY FOCUS

- Industrial Energy Efficiency
- Renewable Energy for Productive Uses and Industrial Applications
- Low Carbon Low Emission Technologies
UNIDO’s Energy Strategy: Building Blocks

- Knowledge Management
- Capacity Building
- Policy and Standards
- Programmatic Approaches
- Technology Demonstration
- Awareness Raising
UNIDO’s Energy and Climate Change Portfolio includes more than 50 Countries
UNIDO’s Energy Efficiency Activities

System Optimization
Energy Management Standards
ISO 50001
Capacity building
Industry, institutions and market players
IEE Policy support
Partnerships
IEE demo projects

The testing laboratories of the China Special Equipment Inspection and Research Institute (CSEI), Beijing, February 2012
1. Create business development opportunities through increasing access to energy through mini-grids;

2. Mainstream the use of renewable energy in industry (SMEs);

3. Support innovative business models to promote renewable energy in the business sector.
UNIDO’s Integrated Energy Solutions

- Energy Management Standards and Systems Optimization
- Smart RE Grids for Productive Uses (Mini/ Micro)
- Fostering Technological Innovation for SMEs
- Regional Knowledge Centers and Hubs
- Energy Partnerships
Programmatic Approach in West Africa: GEF Strategic Programme on Energy in West Africa (SPWA)

18 Target Countries in West Africa
22 projects in 4 priority areas

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GEF Grant: $50 MILLION
Co-Funding: $535 MILLION
GEF-UNIDO Global Cleantech Programme for SMEs is a unique opportunity for fostering innovation of cleantech products and strengthening the entrepreneurial ecosystem in emerging economies and developing countries.

**GEF UNIDO Cleantech Global Portfolio ($15 Million + Co-financing)**

**Phase 1**
- India
- Malaysia
- Armenia

**Phase 2**
- Turkey
- Pakistan
- South Africa

**Phase 3**
- Nigeria
- Brazil
- Thailand
- Russia
UNIDO’s Global Network of Regional Sustainable Energy Centers

Programmatic Approach to promote Renewable Energy and Energy Efficiency: A global solution at a regional level

**ECOWAS Regional Centre for Renewable Energy and Energy Efficiency (ECREEE)**
- ECREEE setup in 2010

**2 New Regional Centers in Africa**
- Southern African Development Community (SADC)
- East African Community (EAC)

**AOSIS requested through SIDS DOCK to support the establishment of regional centers in the Caribbean, Pacific, Indian Ocean and Africa**
Observatory for Renewable Energy in Latin America and the Caribbean

→ Tool to promote renewable energy – in particular for productive uses and industrial applications

→ In total 20 countries in LAC endorsed the programme; activities already initiated in 8 of them

→ Relies on a powerful knowledge platform

The main goals are:

• Increasing access to the existing know-how
• Promoting the strengthening of member countries’ renewable energy generating capacity and ability to attract investments

Opening session of the Iberoamerican Ministerial Meeting, held in 2006 in Montevideo, Uruguay
- Partnership between UNIDO, ECREEE, Columbia University and UNICV in Cape Verde on a Fellowship for Sustainable Energy Solutions

- Business Partnership between UNIDO, ECREEE and Philips on the installation of 15 PV lighting systems in Cape Verde

- Partnership between UNIDO and Schneider Electric on potential to enhance the productivity of rural African micro-industries and businesses through a clean, innovative and standardized micro-power plant

- Partnership between UNIDO and Public Sector Undertakings (PSUs) to assist in CSR initiatives for promoting sustainable development through RE and EE technologies.

- UNIDO has signed a MOC with 5 partner institutions to facilitate project design and implementation.
  - TERI: The Energy and Resources Institute
  - IIASA: International Institute for Applied Systems Analysis
  - ECREEE: ECOWAS Regional Centre for Renewable Energy and Energy Efficiency
  - REEEP: Renewable Energy and Energy Efficiency Partnership
  - AEA: Austrian Energy Agency
THANK YOU

Energy and Climate Change

United Nations Industrial Development Organization