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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

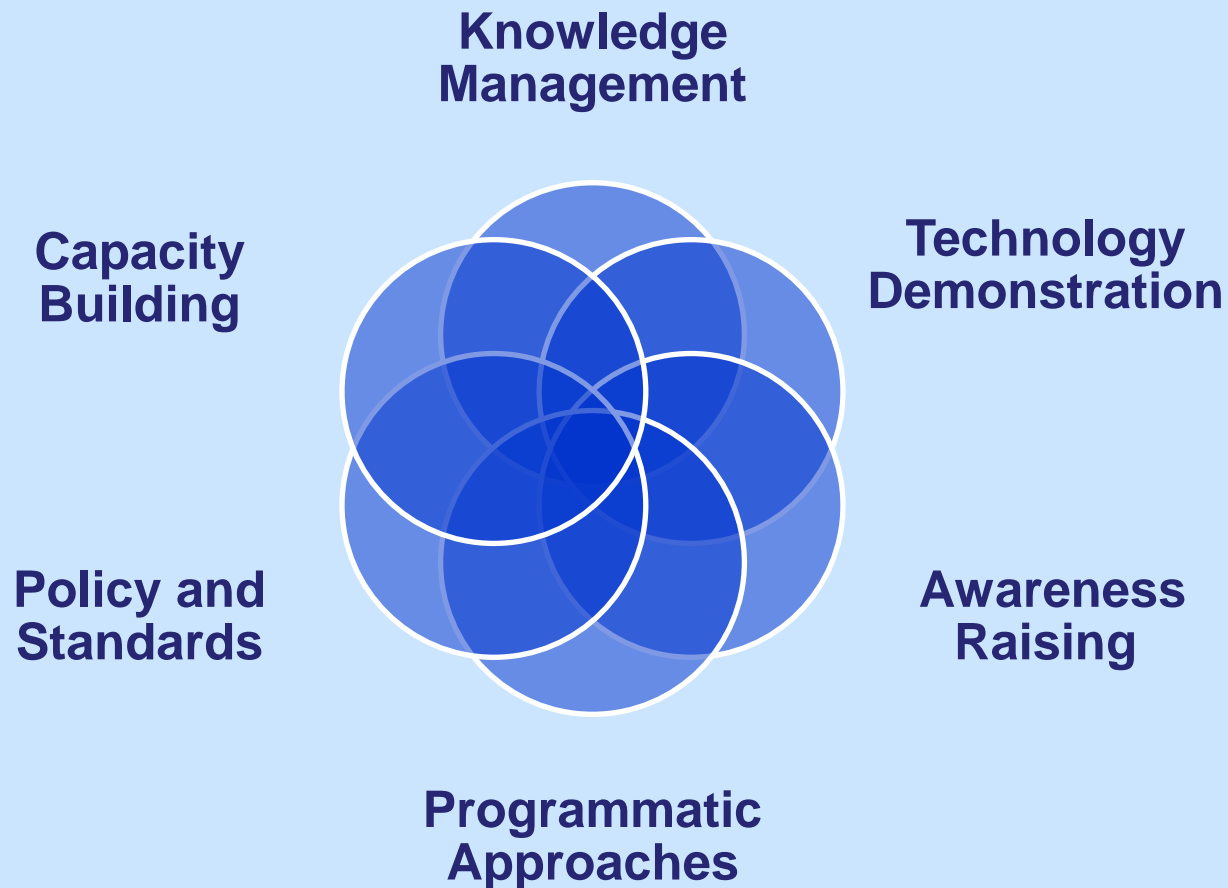
- **Industrial Energy Efficiency**
- **Renewable Energy for Productive Uses and Industrial Applications**
- **Low Carbon Low Emission Technologies**





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UNIDO's Energy Strategy: Building Blocks





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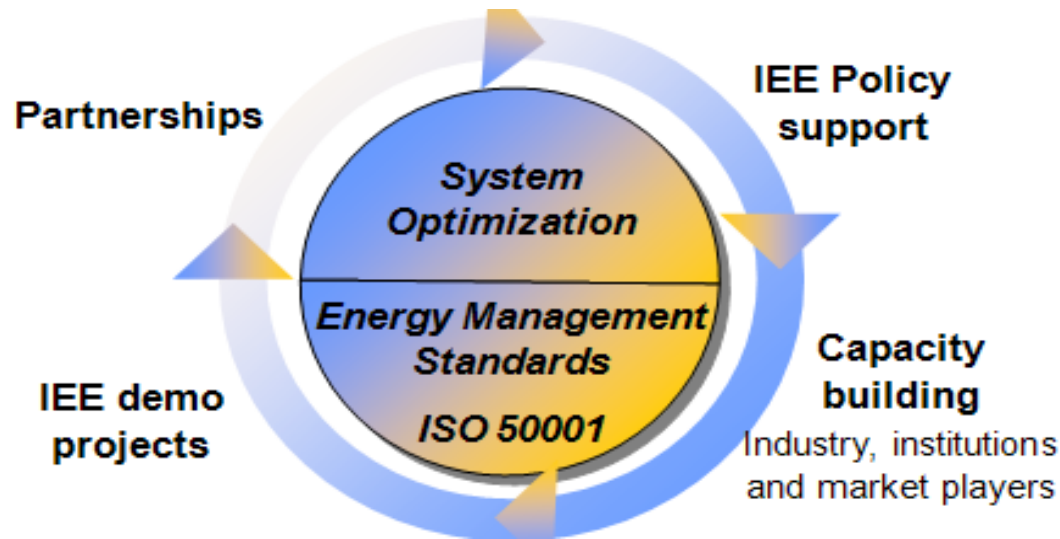
ECC Footprint





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UNIDO's Energy Efficiency Activities



The testing laboratories of the China Special Equipment Inspection and Research Institute (CSEI), Beijing, February 2012

Industrial Development Report 2011

Industrial energy efficiency
for sustainable wealth creation

Capturing environmental, economic and social dividends

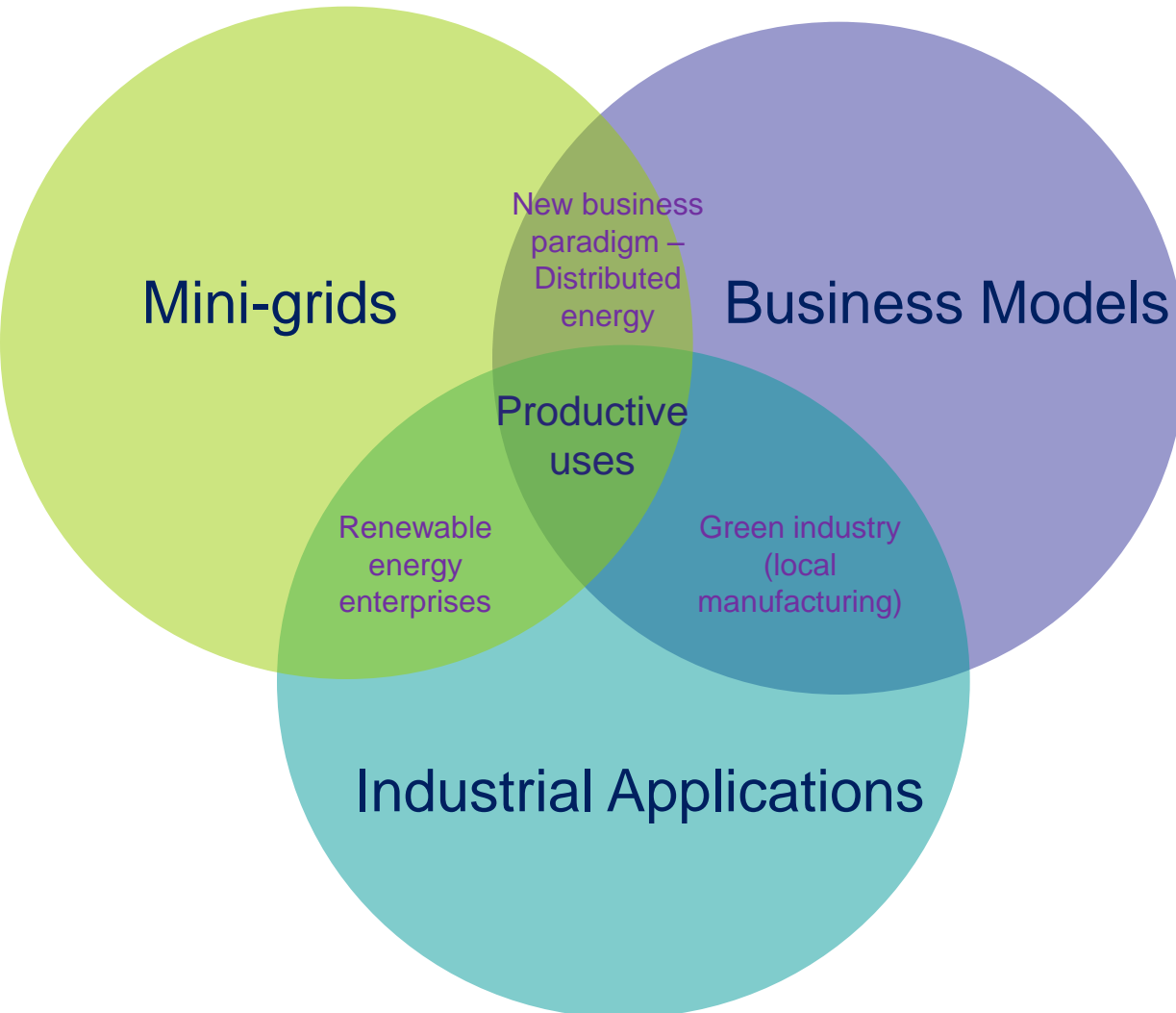


UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



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UNIDO's Renewable Energy Activities



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

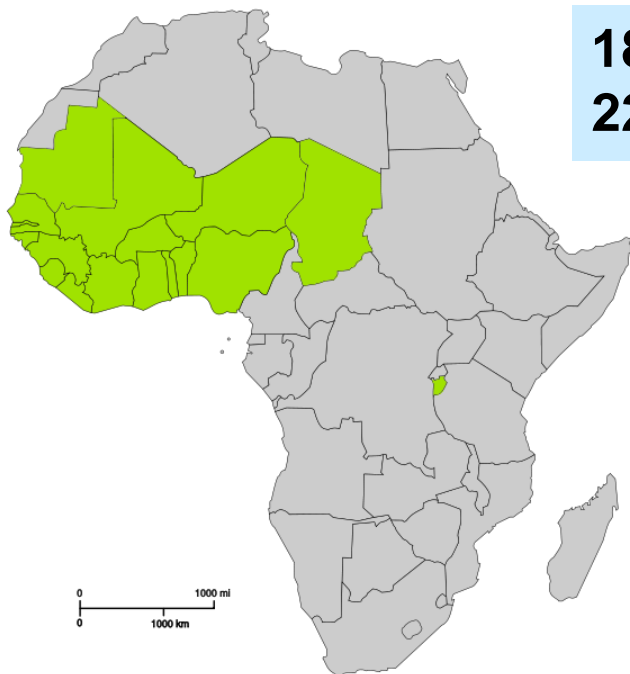
Regional Knowledge Centers and Hubs

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



GEF Grant : \$ 50 MILLION

Co-Funding: \$ 535 MILLION

Benin	Guinea Bissau
Burkina Faso	Liberia
Burundi *	Mali
Cape Verde	Mauritania
Chad *	Niger
Côte d'Ivoire	Nigeria
The Gambia	Senegal
Ghana	Sierra Leone
Guinea	Togo





Global Clean Energy Technology Innovation Programme for SMEs

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





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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) and the East African Community (EAC)



SIDS DOCK
SMALL ISLAND DEVELOPING STATES
ISLAND ENERGY FOR ISLAND LIFE

AOSIS requested through SIDS DOCK to support the establishment of regional centers in the Caribbean, Pacific, Indian Ocean and Africa



Austrian Development Cooperation

REPUBLIC OF AUSTRIA
Federal Ministry for
European and International Affairs



SPC
Secretariat of the Pacific Community





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



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Partnerships

- 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





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THANK YOU

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