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REGIONAL TECHNICAL COOPERATION PROGRAMMES: MOBILIZING FUNDING AND STRENGTHENING KNOWLEDGE NETWORKS

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CONTEXT

➤ Global challenges

- Energy Poverty
- Energy Security
- Climate Change



➤ Access to Energy is a pre-requisite for Poverty Reduction and Achievement of MDGs

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CONTEXT

Global Targets and Goals

- **Millennium Summit 2000 – 8 MDGs by 2015**
- **AGECC Report 2010**
 - Universal access to modern energy services by 2030
 - Reduce global energy intensity by 40% by 2030
- **Need for Energy Transitions and Transformations**



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UNIDO Energy & Climate Change Programme

Providing Integrated Energy Solutions for the Sustainable Industrial Agenda: promoting GREEN INDUSTRY

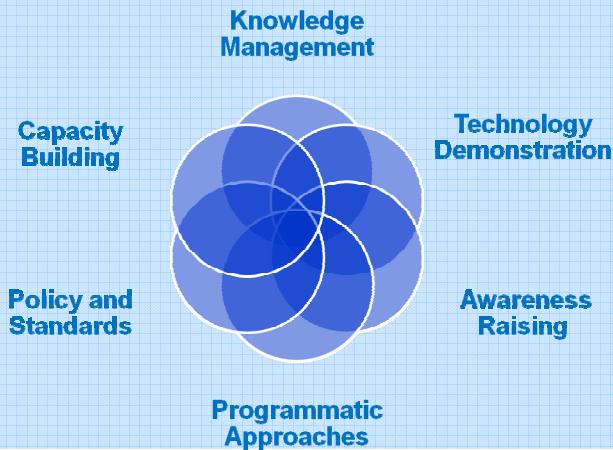
- **Industrial Energy Efficiency**
- **Renewable Energy for Productive Uses**
- **Low Carbon Technologies**





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Building Blocks of UNIDO's Energy Programme



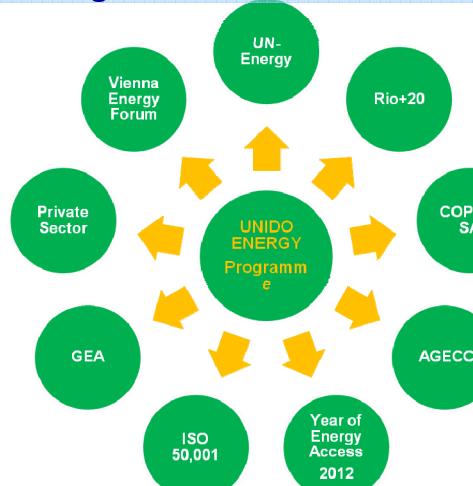
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Strengthening Technical Cooperation and Knowledge Networks

Linking Technical Cooperation, Global Networks, Research, Normative work and Advocacy



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UNIDO's Technical Cooperation in the field of Energy: Fund Mobilization Targets

2006
**USD\$ 46
Million**

2010
**USD\$
170
Million**

Ongoing and
Hard Pipeline

2012
**USD\$
300
Million**

Planned Portfolio

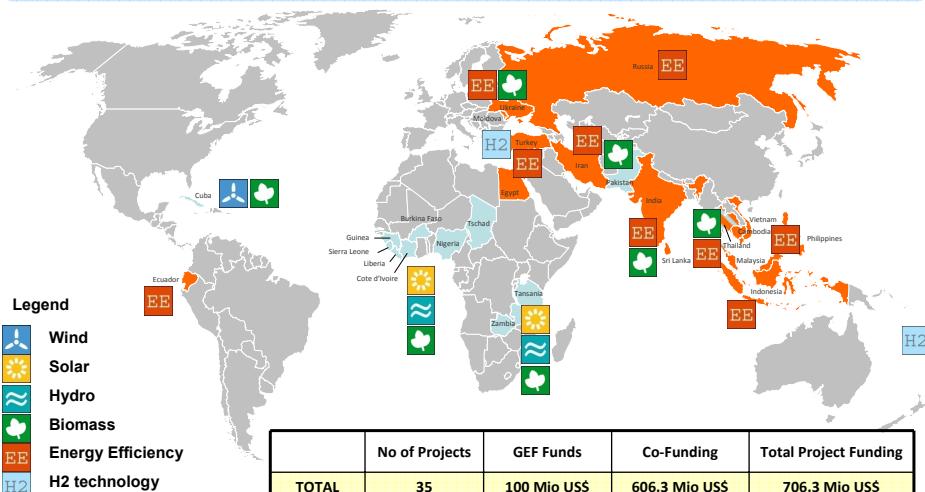
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UNIDO GEF Energy Portfolio



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Knowledge Networks and Partnerships

- Global challenges require global and regional solutions, going beyond borders, connecting countries and institutions for promoting knowledge networks
- Regional knowledge networks and partnerships are essential for technology transfer, promoting synergies and sharing good practices
- Programmatic approaches and regional networks promote enabling environments for integrated energy solutions
- Regional Networks and partnerships promote innovations, cost effectiveness and ownership at the regional / national level

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UNIDO: Global / Regional Technology Cooperation Programmes and Knowledge Networks / Partnerships

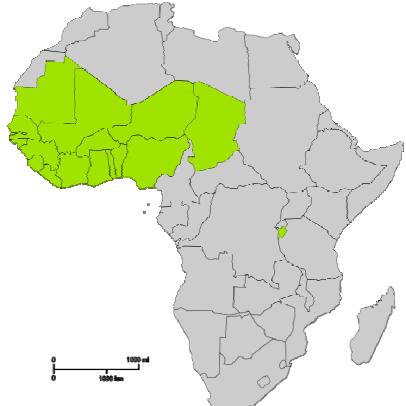
- GEF Strategic Programme on Energy for West Africa
- ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE)
- Regional Observatory for Renewable Energy in Latin America
- Renewable Energies for Sustainable Development of the Carpathian Region (RENEC)
- International / Regional Technology Centres and Networks
- East Africa Observatory for Renewable Energy (in formulation stage)

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UNIDO REGIONAL TECHNICAL COOPERATION PROGRAMME GEF Strategic Programme on Energy for West Africa (SPWA)



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

▪ GEF Grant : US\$ 45 MILLION

▪ Co-Funding: US\$ 100 MILLION



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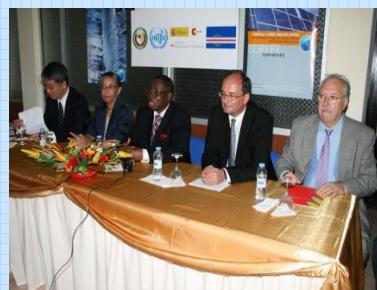
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ECOWAS Centre for Renewable Energy and Energy Efficiency (ECREEE) in Praia, Cape Verde

- ECREEE is a specialized institution of the Economic Community of West African States.
- Initially supported by UNIDO, the Governments of Austria, Cape Verde and Spain. Now new funding sources as well.

Main Focus Areas:

- Developing RE and EE markets in West Africa
- Policy and capacity development
- Designing financing mechanisms
- Implementing demonstration projects with potential for regional scaling-up



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Regional Observatory for Renewable Energy in LAC: Knowledge Network



Brazil
Chile
Colombia
Costa Rica
Cuba
Ecuador
Mexico
Nicaragua
Paraguay
Peru
Dominican Republic
Uruguay

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RE Observatory Network: Value Addition for the LAC Region

Main objectives of the Observatory for Renewable Energy in LAC:

- Increase and facilitate the access to specialized knowledge on renewable energy matters in the region
- Promote portfolios of renewable energy projects in each country, building up on the basis of the existing best practices in the region.

The Observatory is a:

- **Multi-disciplinary programme** : tackle the renewable energy field from various angles: technologies, policy and legal framework, financial scenario, education
- **Multi-institutional programme**: involvement of all actors working in the energy sector in each country is a first step of this regional programme.

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UNIDO/UNEP/Partners REGIONAL ENERGY PROGRAMME: Renewable Energies for Sustainable Development of the Carpathian Region (RENEC)

Main Objectives:

- support decreasing environmental impacts from use of fossil fuels
- increase the share of renewable energies in energy mix
- Focus on the mountainous area
- Link regional policy scenarios with National Action Plans



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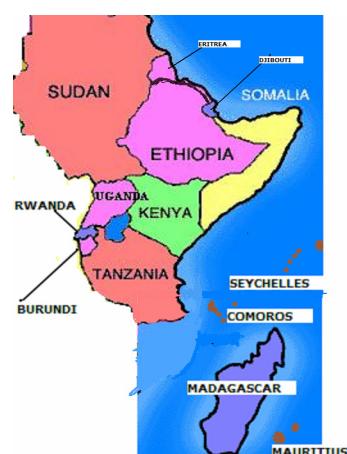


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UNIDO REGIONAL ENERGY PROGRAMME GEF Strategic Energy Programme for East Africa (under formulation) (14 countries)

Priority Areas of Focus:

- Enhanced Access to energy based on renewables
- Demonstration, deployment and transfer of innovative low-carbon technologies
- Market transformation for energy efficiency in industry, building and transport sectors
- Promoting carbon financing markets in the region
- Adaptation programmes, and linkages to other focal areas



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International / Regional Energy Technology Centres



UNIDO International Solar Energy Centre for Technology Promotion and Transfer at Lanzhou, China, UNIDO-ISEC



The International Centre for Science and High Technology, Trieste, Italy, UNIDO-ICS



International Centre for Small Hydro Power with headquarters in Hangzhou, China, ICSHP



International Centre for Hydrogen Energy Technologies, Istanbul, Turkey, ICHET



ECOWAS Regional Centre for Renewable Energy and Energy Efficiency in Praia, Cape Verde, ECREEE



Regional Centre for Small Hydro Power (SHP) in Trivendrum, India



Regional Centre for Small Hydro Power (SHP) in Abuja, Nigeria

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Vienna Energy Forum 2011: Energy for All – Time for Action

Vienna, 21 – 23 June 2011

Co-organisers

Objective

- Facilitate an international dialogue on providing universal energy access
- Strengthen international technical cooperation, networks / partnerships and influence policy debate

Highlights

- The event will coincide with the launch of the Global Energy Assessment Report, Rio + 20 Ministerial Conference and the meeting of the Circulo de Montevideo

Audience

- Over 1000 participants: Present / former heads of state, policymakers, experts, private sector and civil society representatives are expected to attend



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THANK YOU

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