



Africa Renewable Energy
Access Program (AFREA)

AFRICA RENEWABLE ENERGY AND ACCESS PROGRAM (AFREA)



PROGRAM UPDATE FROM AFREA I TO AFREA II

**MEIKE VAN GINNEKEN
AFTG2 SECTOR MANAGER**

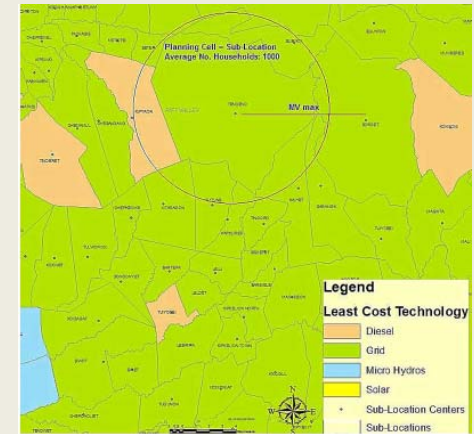
Chronology of events

Event	Date
Submission of Special Proposal (concept note) to Dutch government by ESMAP	July 28, 2008
Signing of Administration Agreement between the World Bank and the Government of the Netherlands	September 22, 2008
Signing of ESMAP Funds Notification (transfer of responsibility of AFREA from ESMAP to AFTEG)	February 3, 2009
Receipt of final tranche of AFREA funds from Dutch government	February 10, 2011
AFREA I: all funds allocated, over 90% disbursed or legally committed. Closing date June 30, 2014	Today
AFREA II Concept Approved	November 5, 2012
AFREA II Signing of ESMAP Funds Notification	February 21, 2013
AFREA II – Launching Request for Proposals	March 15, 2013

Emerging outcomes

Governments supported to scale-up access

- Through AFREA support to Governments:
 - Rwanda and Kenya SWApS completed
 - Mobilized donor resources for access scale-up;
- Four AFREA grant agreements signed with the Governments and now reaching completion
 - Benin, Liberia, Rwanda, Tanzania, (Mali closed)
- First results on the ground are emerging and successful approaches are being replicated and mainstreamed - e.g. Tanzania - at the time of closing, results were:
 - 124,000 beneficiaries from solar lantern systems
 - 2,000 beneficiaries from household connections
 - 52 public facilities with PV installations
 - Innovative business models established



Regional Initiatives bring innovation and market transformation for the poor



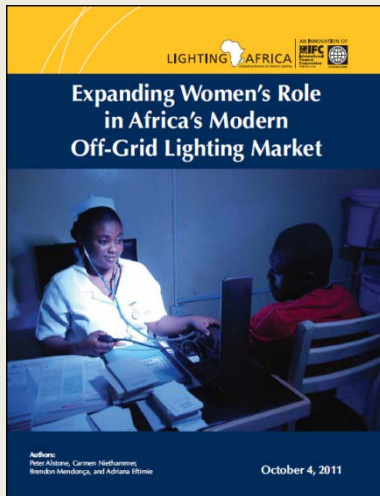
- **Lighting Africa** – ca. 7 million people with improved lighting access with Lighting Africa quality certified lanterns.
- World Bank's Lighting Africa activities now in DRC, Senegal, Liberia, Burkina Faso, Nigeria, Ethiopia, Tanzania, and Zambia
- **Biomass Energy Initiative for Africa**—nine innovative approaches for sustainable use of biomass completed
- **ACCES** - Africa Clean Cooking Energy Solutions— launched and being implemented in Senegal, Uganda and DRC.
- **Africa Electrification Initiative** established itself as the leading and Africa's largest network of electrification practitioners with over 200 users; third workshop being prepared for low cost electrification.



AFREA supported knowledge products

A few examples

- PV Toolkit For Community Facilities: Guidance for Sustainability

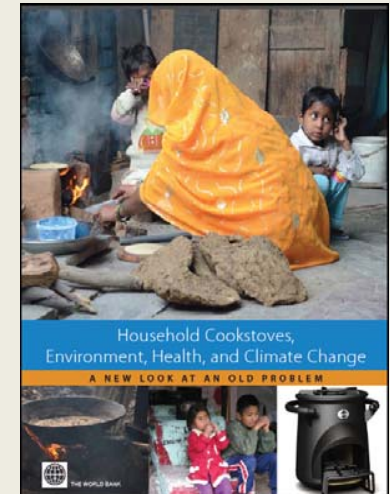


Expanding Women's Role in Africa's Modern Off-grid Lighting Market

Wood Based Biomass Energy Development for Sub-Saharan Africa: Issues and Approaches paper

Potential for Concentrated Solar Power Southern Africa

- Enhancing Climate Resilience of Growth in Nigeria
- Lighting Africa policy study; AEI publications on small power projects regulatory issues and connection costs;
- Gender and Energy case studies, toolkit and publication on gender and energy economics..



Cross cutting: Gender and Energy Program

Africa Region Country Pilots

- Mali, Tanzania, Kenya, Benin, Senegal
- Systematic Approach of Integrating Gender



Gender Integrated into Africa Regional Programs

- Lighting Africa
- Africa Electrification Initiative (AEI)
- Biomass Energy Initiative for Africa (BEIA)
- Africa Clean Cooking Energy Solutions (ACCES)

Knowledge Management

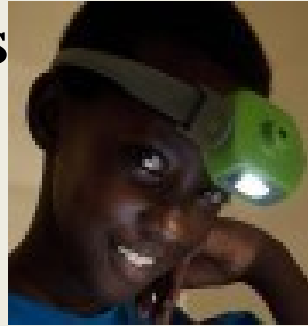
Online Gender and Energy Tools and Resources , Case Studies, Guidance and Analytical Studies (Social and Economic Impacts) forthcoming; Knowledge exchange events



AFREA II

Building on and Learning from AFREA I

- AFREA II will support Governments to innovate and scale up, promote market transformation, generate knowledge and build capacities



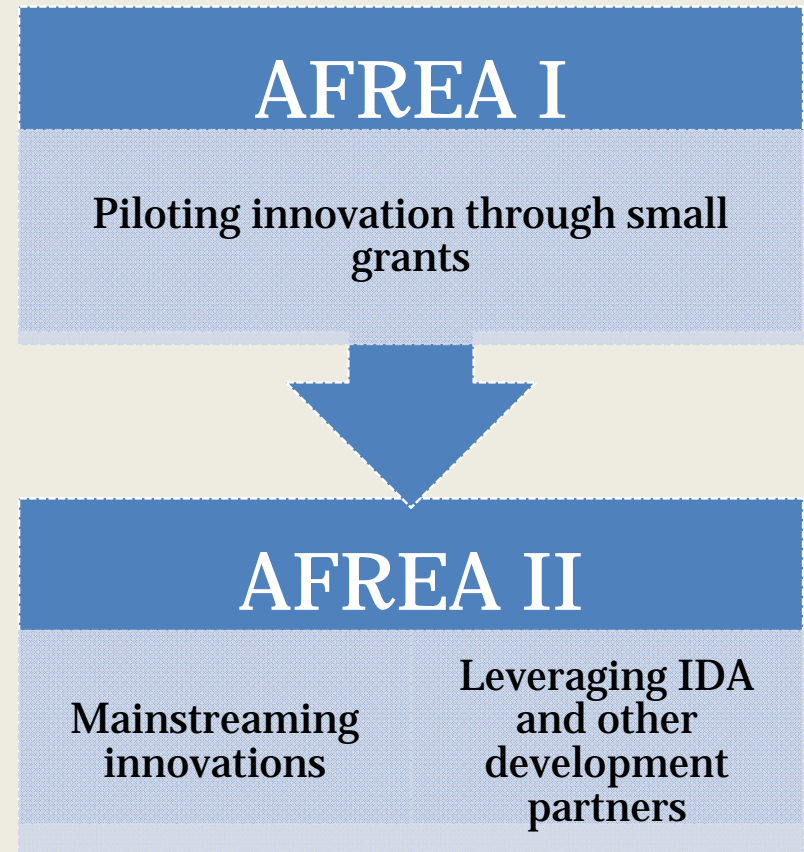
- AFREA II will deepen and expand the AFREA I regional initiatives:

- Gender and Energy
- Africa Electrification Initiative (AEI)
- Lighting Africa expansion
- Africa Clean Cooking Energy Solutions (ACCES)



AFREA II - move from piloting to scaling up and mainstreaming

- Complement IDA lending in comprehensive country programs
- Fewer recipient-executed grants, more TA to integrate pro-poor approaches at scale in IDA lending
- More attention to policy and institution building
- Special attention for post-conflict and fragile states
- Support all forms of clean energy AND access



AFREA II set-up



- **Program for Africa financed through ESMAP with delegated management to the Africa Region**
- **US\$ 50 Million Program, of which US\$12 million mobilized**
- **Allows both Bank-executed and Recipient-executed activities**
- **Complementary to Annual Block Grants and other ESMAP global activities (e.g. RE resource mapping, Sustainable Energy for All)**
- **Multi-year budgets**
- **Concept approved, ESMAP Funds notification signed, first Request for Proposals launched by mid March**

AFREA II: Support the scale up of energy access and clean energy in SSA

Supporting Investments

Improving policy and building institutions

Leveraging markets

Knowledge and Capacity

Theme 1: Enhancing impact – gender and productive uses

Theme 2: Supporting post-conflict and fragile states

Examples of activities to be supported



Supporting Investments:

- TA to integrate innovative and pro-poor approaches to IDA operations
- TA for evaluation of clean energy and access interventions
- Sector-Wide Approaches for Energy Access Scale-up
- Low cost electrification options

Leveraging markets:

- Lighting Africa expansion
- Africa Clean Cooking Access Energy Solutions

Policies and institutions:

- Designing and implementing of pro-poor policy and regulatory frameworks
- Improving subsidy design and targeting
- Regional integration and cooperation
Promoting sustainable use of biomass

Knowledge exchange and capacity building:

- Africa Electrification Initiative
- Publications and Dissemination
- Capacity building activities

Next steps



- Mobilization of the remaining US\$38 million
- Completion of AFREA I by March 2014, followed by an evaluation of lessons learned
- First round of AFREA II activities selected by April 2013
- Report to CG on AFREA II experience next year



Thank you for your support

Highlights from the 3rd Lighting Africa Conference Dakar, November 2012



Annexes



AFREA I Bank executed activities



- Lighting Africa (\$2.5 million)
- Energy & Gender (\$1.5 million)
- Energy SWAPs (\$1.5 million)
- Africa Electrification Initiative (\$1.2 million)
- Solar PV for Community Services Toolkit (\$290,000)
- Africa Energy Access Scale-up consultations (\$600,000)
- Biomass Energy Initiative for Africa / Africa Clean Cooking Initiative (\$2.3 million)
- Concentrated Solar Power in South Africa (\$100,000)
- Enhancing Climate Resilience in Nigeria (\$300,000)
- Establishment of Liberia RREA (\$1.46 million)
- Support to ECOWAS Renewable Energy and Energy Efficiency Center (ECREEE) (\$65,000)

Total: \$12.15 million

AFREA I Recipient executed activities



- Household Energy and Universal Access Project Mali (\$2 million)
- Lighting Rural Tanzania (\$1 million)
- Catalyzing New Renewable Energy in Rural Liberia– second phase (\$2 million)
- Capacity Upgrading for West African Partners in Renewable Energy Education Program (\$900,000)
- Modernizing Biomass Energy in Benin (\$2 million)
- Rwanda Sustainable Energy Development Project (US\$3.8 million)
- Small innovation grants program to private sector/NGOs - BEIA and LADM (US\$1.5 million)

Total: US\$ 13.2 million