AMG-CoP virtual workshop series: Making the case for mini-grids in Africa

Session #3: Advancing climate objectives and sustainable development goals through mini-grids and rural electrification

30 April 2020
THE AFRICA LEDS PARTNERSHIP (AFLP)

MISSION: To promote low carbon emissions climate resilient development, in support of poverty alleviation, job creation and environmental management in Africa.

OBJECTIVES
1. **Promote information exchange and coordination** among LEDS programs and country institutions undertaking and supporting LEDS;
2. **Cultivate and support LEDS champions** across Africa;
3. **Enhance capacity** for LEDS design and implementation in Africa
STRUCTURE

Co-Chairs:
• Dr Alain Serges Kouadio  
  Ministry of Environment, Côte d’Ivoire  
• Dr George Wamukoya  
  AGN Expert Support (AGNES), Kenya

Secretariat:
• SouthSouthNorth – South Africa  
• Email: africasecretariat@ledsgp.org
FOCUS AREAS

- Strengthening our membership and membership engagement
- Building regional partnerships & collaborations
- African Mini-Grids Community of Practice (2017)
- AFOLU Community of Practice (2018)
- Cross Cutting Themes – Finance for LEDS, and LTS
Session outline

1. Welcome remarks & overview of AMG-CoP
   - Josh Ogada
     Secretariat Lead, Africa LEDS Partnership (AfLP) / SouthSouthNorth

2. Overview of LEDS GP EWG & introduction
   - Alexander Ochs
     Chair, LEDS GP EWG / CEO, SD Strategies

3. Panel contributions
   - Ieva Indriunaite
     Manager, LEDS GP EWG / Associated Consultant, SD Strategies
   - Franz Kottulinsky
     Co-Founder, Rift Valley Energy
   - Dr Victor Osu
     Special Adviser to the Executive Director of the REF, Nigeria Rural Electrification Agency

4. Question & answer session
   - All speakers
**SD STRATEGIES**

**Who we are:**
- Policy and communications consultancy with a global network of partners
- Support for governments, international organisations, civil society, and private sector
- Specialization in issues at the intersection of economic & social development, energy, climate, environment

**Current workstreams:**
- Mainstreaming climate and sustainable development goals & policies
- Advancing energy access, rural electrification, smart cities
- Integrating transport & energy
- Empowering women
Who we are:

- A worldwide demand-driven network
- Open to all energy practitioners & experts
- Now comprises 1,500+ members

Priority thematic areas:

- Long-term energy sector transformation pathways
- Sustainable energy access for all
- Cross-sectoral integration (energy & transport, energy access & agriculture)

Key activities:

- Support LEDS GP & regional platforms
- Design and co-steer Communities of Practice
  - Africa: Mini Grids
  - Asia: Renewables Grid Integration
  - LAC: Bioenergy
- Technical assistance
- Capacity development events
- Case studies, toolkits, and other go-to resources

Please join us!
ledsgp.org/join
The nexus between energy access, climate and sustainable development

Mini Grids: The role today and tomorrow

Where we were yesterday (2019):
- 19,000 mini grids serving 47 million people
  - USD 28 billion invested
  - Mostly diesel and hydro
  - 50% in South Asia

Where we are today (2020, 2019 study):
- 7,500 NEW mini grids serving an add'l 27 mio ppl
  - USD 12 billion of new investment
  - Mostly solar-hybrid
  - >50% in Africa

What we need in 2030:
- 210,000 mini grids serving a total of 490 million people
  - USD 220 billion of new investment
  - Mostly solar-hybrid
  - 1.5 billion tons CO2 avoided

Mini-grids enable high-level energy access

Benefits of mini-grid-based rural electrification

- Improved human health
- Increased local employment
- Other economic benefits
- Reduced energy inequality
- Reduced local pollutants
- Reduced GHG emissions
- Increased energy security
- Increased quality of life
- Education benefits

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- Increased quality of life
Dr. Victor Osu

Special Adviser to the Executive Director of the REF, Nigeria Rural Electrification Agency
Q&A

Alexander Ochs (Moderator)
Chair, LEDS GP EWG / CEO, SD Strategies

Josh Ogada
Secretariat Lead, Africa LEDS Partnership (AfLP) / SouthSouthNorth

Ieva Indriunaite
Manager, LEDS GP EWG / Associated Consultant, SD Strategies

Frantz Kottulinsky
Co-Founder, Rift Valley Energy

Dr Victor Osu
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