Decentralised Solar Energy in Africa

David Lecoque
CEO, ARE
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Who we ARE

The Alliance for Rural Electrification (ARE) is the largest international business association for the decentralised renewable energy (DRE) industry, activating markets for affordable energy services, and creating local jobs and inclusive economies.

#1 170+ 50+ 3
Global decentralised renewable energy association Members Countries Continents

For more details, see ARE Matchmaking Platform
ARE Members & Services

ARE helps on sector coordination and development by:

- Market Intelligence & Business Services
- Policy & Advocacy
- Communications & Marketing Support

Read more [here](#)
Africa Electricity Access Gap in 2019

- As per IEA, about 770 million globally (580 million in Sub-Saharan Africa) still people lack access to modern energy services

- In Africa, the population gaining access to electricity rate doubled from 9 m/year during 2000 - 2013 to 20 m during 2014 - 2019, outpacing population growth and reducing the energy access gap to about 580 m in 2019

- Successful policies and measures helped several countries improve their energy access rates, especially via decentralised renewables. For example energy access rates have gone up in Kenya (to 75%), Senegal (to 70%)
Appropriate policy and regulatory frameworks are central to the successful DRE implementation in Africa. Multiple factors influence the deployment of DRE solutions particularly mini-grid development.

IRENA outlined three levels of policy & regulatory measures for successful mini-grid deployment:

- **Primary** – Related to the national energy framework e.g national electrification plans, quality standards, budget allocation/subsidies, etc.
- **Secondary** – Not related to the energy sector but affects viability of mini-grid development e.g taxation, land rights, env. protection, and banking
- **Tertiary** - Contribute to the broader enabling environment for mini-grids e.g. capacity building, data collection, and cross-sectoral synergies
Nigeria Electrification Project (NEP)

- Nigeria Electrification Project (NEP) is one such successful federal government initiative that is private sector driven and seeks to provide electricity access to households, micro, small and medium enterprises in off grid communities across the country through renewable power sources.

- NEP has implemented many of the multi-level policy measures outlined in the last slide:

<table>
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<tr>
<th>Primary measures</th>
<th>Secondary measures</th>
<th>Tertiary measures</th>
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<tr>
<td>National policy on renewable energy</td>
<td>Rural electrification strategy and master plan</td>
<td>Mini-grid policies and regulations</td>
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<td>Arrival of main-grid</td>
<td>Legal and licensing provision</td>
<td>Cost recovery and tariff regulation</td>
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<td>Quality standards</td>
<td>Financial support</td>
<td>Environment and health protection</td>
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<td>Taxation and fiscal incentives</td>
<td>Land rights and use</td>
<td>Banking</td>
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<td>Incorporation, company formation</td>
<td>Technical assistance and capacity building</td>
<td>Statistics and data collection</td>
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<td>Synergies with other sectors</td>
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Nigeria

- Over 600,000 people, approximately 100,000 households, 70,000 MSMEs, and eight universities will receive new or improved access to electricity services as a result of the project. (see NEP’s current status [here](#)). Many ARE Members are active in Nigeria and plan additional DRE projects.
ARE Enables Environments for DRE Implementation

• ARE remains committed to its mission of driving the sector forward ensure timely achievement of universal electrification goals with its advocacy and policy initiatives, for example:

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<th>Advocacy Campaign</th>
<th>Policy</th>
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<tr>
<td>ARE COVID-19 Call to Action - ARE and its public, civil society and private sector Partners strive to provide an answer, by putting forward actionable recommendations for governments, funders and philanthropies to act decisively, to do their part and to make sure that this historic opportunity is grasped.</td>
<td>Clean Energy Mini-Grid Policy Development Guide - In partnership with UNIDO, AMDA and INENSUS, ARE is working on a hands-on guide which aims to be the “gold standard” in mini- and microgrid regulation. It is designed to assist policymakers in developing effective policies in line with national policy preferences.</td>
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<td>High-level consultations (Roundtable on GET.invest Support Instruments for the DRE Sector) and publications (e.g. Best Practices for Electrifying Rural Health Care Facilities with DRE) in the wake of COVID-19 crisis</td>
<td>Consumer Protection Principles for Clean Energy Mini-Grids - ARE, together with Swedfund, AMDA, Smart Power India developed the Consumer Protection Principles to safeguard consumer rights, while defining key roles and responsibilities of market participants by building global and progressive principles of consumer rights in the mini-grid sector.</td>
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• ARE together with its partners is working on more targeted policies and regulations (e.g. UNIDO, Swedfund), partnerships (AMDA, SPI), awareness and capacity building (e.g. GET.invest) as well as business and investment support (GET.invest) to close the energy access gap in Africa and beyond.
Join ARE’s Membership today!

Join us by sending your **application form**. See Member Services Overview [here](#). The annual membership rates can be found [here](#).

**Special offers for new incoming Members joining before 31\textsuperscript{st} October 2020:**

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<th>ARE Membership Packages</th>
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<td><strong>Package 1</strong>&lt;br&gt;2020 Only</td>
<td>- 75% discount for 2020 Membership&lt;br&gt;- Free Newsletter Article (worth 520€) with a readership of more than 11k</td>
<td>None</td>
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<td><strong>Package 2</strong>&lt;br&gt;2020 + 2021</td>
<td>- 80% discount for 2020 Membership&lt;br&gt;- Free Newsletter Article (worth 520€) with a readership of more than 11k&lt;br&gt;- Company promotion on social media</td>
<td>Membership fees for 2020 + 2021 to be paid in one go</td>
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<tr>
<td><strong>Popular Choice!</strong>&lt;br&gt;<strong>Package 3</strong>&lt;br&gt;2020 + 2021 + 2022</td>
<td>- 100% discount for 2020 Membership&lt;br&gt;- Free Newsletter Article (worth 520€) with a readership of more than 11k&lt;br&gt;- Company promotion on social media&lt;br&gt;- 1 free ticket for <strong>EAIF</strong> in 2021 (worth appx. 400€)</td>
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Get in touch with ARE to help you grow in the sector!

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