

7TH MINI GRID ACTION LEARNING EVENT

SAFARI PARK HOTEL, NAIROBI, KENYA

FEBRUARY 27 TO MARCH 3, 2023



DAY 1 – MONDAY, FEBRUARY 27

HOST COUNTRY DAY: KENYA

Location: Safari Park Hotel, Jambo Conference Center

9:00-9:50

Welcome and Introductory Remarks

- *Abraham Mudasia -- Communications Director (AMDA)*
- *Camille Nuamah, Operations Manager, World Bank*
- *Mr. Davis Chirchir -- Cabinet Secretary (Ministry of Energy and Petroleum, Kenya)*

Book Launch

- *Gabriela Elizondo Azuela -- Practice Manager, Energy Climate Finance and ESMAP (World Bank)*

9:50-10:15

Introduction to Mini Grid Action Learning Event and WBG DARES Initiative

- *Clemencia Torres de Mästle -- Senior Energy Economist and Task Team Leader for GF Mini Grids (ESMAP / World Bank)*
- *Dana Rysankova -- Lead Energy Specialist (World Bank)*

10:15-10:45

Coffee Break

10:45-12:15

Panel Discussion: Reaching 100% Electricity Access with 100% Clean Energy in Kenya

Moderator:

- *Erik Fernstrom -- Practice Manager, Energy (World Bank)*

Presenter:

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- *Mr. Alex Kamau Wachira -- Principal Secretary (State Department for Energy, Ministry of Energy and Petroleum, Kenya)*

Panelists:

- *Mr. Daniel Kiptoo Bargoria -- Director General (Energy and Petroleum Regulatory Authority, EPRA)*
- *Eng. Geoffrey Muli -- Ag. Managing Director and CEO (Kenya Power)*
- *CPA. Peter Mbugua – CEO (Rural Electrification and Renewable Energy Corporation, REREC)*
- *Mr. Gillian-Alexandre Huart -- CEO (ENGIE Energy Access Africa)*
- *Mr. Caleb Ewoi Nakain -- Turkana County Renewable Energy Officer (Ministry of Energy and Petroleum, Kenya)*

12:15-13:30 Lunch

13:30-15:00 Evolution, Challenges and Opportunities for Mini Grids in Reaching Universal Energy Access in Kenya

Moderator:

- *Clemencia Torres de Mästle -- Senior Energy Economist and Task Team Leader for GFMG (ESMAP / World Bank)*

Presenter:

- *Eng. Isaac Kiva – Secretary of Renewable Energy (MOEP) and Acting Managing Director and CEO (KETRACO)*

Panelists:

- *Mr. George Aluru -- Chairperson (Electricity Sector Association of Kenya, ESAK)*
- *Mr. Vivian Vendeirinho -- President (Africa Minigrad Developers Association, AMDA) and CEO (KUDURA Power East Africa, Ltd.)*
- *Mr. Nickson Bukachi -- Senior Renewable Energy Officer (Energy and Petroleum Regulatory Authority, EPRA)*
- *Ms. Rita Laibuta -- Program Officer, Energy (Agence française de développement)*
- *Eng. Nicholas Kiminda -- Acting Manager Turnkey & Connectivity Projects (KPLC)*

15:00-15:30 Coffee Break

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15:30-17:00	<p>Kenya Off-Grid Solar Access Project (KOSAP): Overview, Status, Lessons and Next Steps</p> <p>Moderator:</p> <ul style="list-style-type: none">• <i>Jon Exel, Senior Energy Specialist and Task Team Leader, KOSAP (World Bank)</i> <p>Presenter:</p> <ul style="list-style-type: none">• <i>Mr. Rodney Sultani -- Coordinator, World Bank Financed Projects (Ministry of Energy and Petroleum, Kenya)</i> <p>Panelists:</p> <ul style="list-style-type: none">• <i>Ms. Agnes Obara -- Chief Officer, Strategic Planning (Kenya Power)</i>• <i>Mr. Fred Ishugah -- General Manager, Renewable Energy Research and Development (REREC)</i>• <i>Ms. Becky Muniu -- Communication Expert, KOSAP (Ministry of Energy and Petroleum, Kenya)</i>• <i>Mr. Ashington Ngigi -- Team Leader, KOSAP Facilities (SNV)</i>	
17:00-17:20	<p>Closing Remarks</p> <ul style="list-style-type: none">• <i>Gabriela Elizondo Azuela -- Practice Manager, Energy Climate Finance and ESMAP (World Bank)</i>• <i>Mr. Alex Kamau Wachira -- Principal Secretary (State Department for Energy, Ministry of Energy and Petroleum, Kenya)</i>	
17:20-20:00	<p>Welcome Cocktail hosted by the Mini-Grids Partnership (MGP)</p>	Location: Mamta Pool Area

DAY 2 – TUESDAY, 28 FEBRUARY

COUNTRY PROGRAMS DAY

Location: Safari Park Hotel, Jambo Conference Center

	Country Sessions A	Country Sessions B	Technical Sessions
	Conference room: Tsavo	Conference room: Amboseli	Conference room: Samburu
9:00-10:30	<p>Nigeria</p> <p>Moderator:</p> <ul style="list-style-type: none"> Abba Aliyu Abubakar -- Head of Project Management Unit, Nigeria Electrification Project (REA) <p>Presenter:</p> <ul style="list-style-type: none"> Ahmad Salihijo – MD/CEO (REA) <p>Panelists:</p> <ul style="list-style-type: none"> Chinua Azubike – MD/CEO (InfraCredit / InfraCo Africa) Hadiza Katagum – Acting Head, Mini Grid Team, PMU (REA) 	<p>Madagascar</p> <p>Moderator:</p> <ul style="list-style-type: none"> Dana Rysankova -- Lead Energy Specialist (World Bank) <p>Panelists:</p> <ul style="list-style-type: none"> Joelinet Vanomaro -- Directeur Technique (Agence de Développement de l'Electrification Rurale, ADER) Sambatra Ramiandrisoa -- Directeur Général de l'Energie et des Hydrocarbures (Ministère de l'Energie et des Hydrocarbures, MEH) Camille André-Bataille -- CEO and Co-founder (ANKA Madagascar) Romain de Villeneuve -- CEO (WeLight) 	<p>Financial Innovation for Scaling Up</p> <p>Moderator:</p> <ul style="list-style-type: none"> Steven Hunt -- Senior Energy Innovation Advisor (FCDO) (To be confirmed) <p>Presenter:</p> <ul style="list-style-type: none"> Humphrey Wireko -- MD (CrossBoundary Energy Access) <p>Panelists:</p> <ul style="list-style-type: none"> Brian Kelly -- Founder and CEO (Virunga) Clifford Aaron -- Principal (CEI Africa) James Wakaba -- Senior Asset Manager (InfraCo)

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	<ul style="list-style-type: none"> • <i>Jon Exel -- Senior Energy Specialist (World Bank)</i> • <i>Olusegun Odunaiya -- MD (Havenhill Synergy Ltd)</i> 	<ul style="list-style-type: none"> • <i>Carlos Miró-- Head of Project for PERER (GIZ)</i> • <i>Yann Tanvez, Senior Energy Specialist (IFC)</i> • <i>Justin Beleoken, Senior Energy Specialist (World Bank)</i> 	<ul style="list-style-type: none"> • <i>Liesbet Mijlemans -- Senior Investment Office (EDFI)</i> • <i>Onyinye Anene-Nzelu - Head of Mini Grids Nigeria (Engie)</i> • <i>Rebeca Doctors -- Energy Consultant (World Bank)</i>
10:30-11:00	Coffee Break		
11:00-12:30	<p>Sierra Leone</p> <p>Moderator:</p> <ul style="list-style-type: none"> • <i>Ibrahim Jalloh -- Energy Specialist (World Bank)</i> <p>Panelists:</p> <ul style="list-style-type: none"> • <i>Cyril A. Grant -- Project Manager (Ministry of Energy, Sierra Leone)</i> • <i>Aaron Cheng -- CEO (PowerGen)</i> • <i>Nicole Poindexter -- CEO and Founder (Energicity)</i> • <i>Ezekiel Musili -- Project Manager (UNOPS)</i> • <i>Jasmin Roberts -- Consultant (GEAPP)</i> 	<p>Ethiopia</p> <p>Moderator:</p> <ul style="list-style-type: none"> • <i>Gosaye Mengiste – Senior Advisor to the Minister (Ministry of Water and Energy)</i> <p>Panelists:</p> <ul style="list-style-type: none"> • <i>Andrea Ranzanici -- MD (Humanitarian Energy)</i> • <i>Bahru Debel -- Director, Technical Regulation (Petroleum and Energy Regulatory Authority, Ethiopia)</i> • <i>Enas Abdulmalik -- Country Lead, Ethiopia (GEAPP)</i> • <i>Kaleb Tadese -- Energy resource study lead executive officer (Ministry of Water and Energy)</i> 	<p>Interconnected Mini Grids</p> <p>Moderator:</p> <ul style="list-style-type: none"> • <i>Fauzia Okediji -- Renewable Energy Specialist (GEAPP)</i> <p>Presenter:</p> <ul style="list-style-type: none"> • <i>Ashish Shrestha -- Energy Specialist (ESMAP / World Bank)</i> <p>Panelists:</p> <ul style="list-style-type: none"> • <i>Carlos Miro -- Head of Project, PERER (GIZ)</i> • <i>Riccardo Ridolfi -- CEO (Equatorial Power)</i> • <i>Suleiman Babamanu -- Nigeria Country Director (RMI)</i> • <i>Jonathan Shaw -- CEO (Nuru)</i>

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		<ul style="list-style-type: none"> • <i>Lemlem Misganaw -- Director, Projects Portfolio Management Directorate (Ethiopian Energy Utility)</i> • <i>Omer Mohammed -- Managing Partner (Veritas Consulting)</i> • <i>Samuel Shawul Tessema -- Head, off grid projects at EEU-PPMO (Ethiopian Electric Utility)</i> 	
12:30-14:00	<p>Gender Networking Lunch <i>(sign up)</i></p> <p>General Lunch</p>		<p>Location: Zebra Garden</p> <p>Location: Nyama Choma Ranch</p>
14:00-15:30	<p>Democratic Republic of Congo</p> <p>Moderator:</p> <ul style="list-style-type: none"> • <i>Nicolas Allien -- Senior Energy Consultant (World Bank)</i> <p>Panelists:</p> <ul style="list-style-type: none"> • <i>Idesbald Chinamula -- General Manager (ANSER)</i> • <i>Maximilien Munga -- Coordinator (Ministère des Ressources Hydrauliques et Electricité – UCM)</i> 	<p>Somalia</p> <p>Moderator:</p> <ul style="list-style-type: none"> • <i>Patrick Balla -- Senior Energy Specialist (The World Bank)</i> <p>Presenter:</p> <ul style="list-style-type: none"> • <i>Abdirizack Mohamed – Director General (Ministry of Energy and Water Resources)</i> <p>Panelists:</p>	<p>Enabling the Business Environment: A Focus on Pace & Costs</p> <p>Moderator:</p> <ul style="list-style-type: none"> • <i>Pacifique Niyonkuru -- Policy Lead (AMDA)</i> <p>Panelists:</p> <ul style="list-style-type: none"> • <i>Anita Otubu -- Senior Director UEF (SEforAll)</i> • <i>Frank Bergh -- Senior Engineer (NRECA)</i> • <i>Kombate Marindame -- Regional Project Manager (UNDP)</i>

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	<ul style="list-style-type: none"> • <i>Malika Azzazene -- Investment Officer, Africa Infrastructure (IFC)</i> • <i>Naomi Wagura -- Manager, Country Delivery (GEAPP)</i> • <i>Rebeca Doctors -- Energy Consultant (World Bank)</i> 	<ul style="list-style-type: none"> • <i>Abdifatah Abshir Ibrahim – Head of Solar Technologies (Ministry of Energy and Water Resources)</i> • <i>Fatih Sheikh Mohamed – Legal Advisor (Ministry of Energy and Water Resources)</i> • <i>Musse Weheliye, Private Mini Grid Operator</i> • <i>Mhamed Farah Ali, Chief Technical Officer (BECO)</i> • <i>Patrick Nkombua, Director of Microgrid Business Development (Sparkmeter)</i> 	<ul style="list-style-type: none"> • <i>Muslim Janoowala -- Consultant, Mini Grids (AFD)</i> • <i>Olusegun Odunaiya -- MD (Havenhill Synergy Ltd)</i>
15:30-16:00	Coffee Break		
16:00-17:30	<p>Niger</p> <p>Moderator:</p> <ul style="list-style-type: none"> • <i>Clemencia Torres de Mästle -- Senior Energy Economist and Task Team Leader for GFMG (ESMAP / World Bank)</i> • <p>Panelists:</p> <ul style="list-style-type: none"> • <i>Adam Aborak Kandine -- Chef de département électricité (Autorité de Régulation du Secteur de l'Energie ARSE)</i> 	<p>Uganda</p> <p>Moderator:</p> <ul style="list-style-type: none"> • <i>Eng. Ziria Tibalwa Waaki – MIEEE, MUIPE, REng, Chief Executive Officer (Electricity Regulatory Authority, Uganda)</i> <p>Presenter:</p> <ul style="list-style-type: none"> • <i>Simon Peter Ssekitoleko -- Assistant Commissioner Renewable Energy (Ministry of Energy and Mineral Development)</i> <p>Panelists:</p>	<p>Investment</p> <p>Moderator:</p> <ul style="list-style-type: none"> • <i>Ieva Indriunaite -- Policy and Partnerships Manager (Camco)</i> <p>Panelists:</p> <ul style="list-style-type: none"> • <i>Ayo Ademilua -- CEO (A4Integrated)</i> • <i>Beatrice Muthoni -- Business Development Manager (Infraco)</i> • <i>James Knuckles -- Senior Energy Access Consultant (ESMAP / World Bank)</i>

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	<ul style="list-style-type: none"> • <i>Hamidine Salouhou -- Director General (Rural Electrification Agency - ANPER)</i> • <i>Maman Mansour Shitou -- Directeur de la Promotion des Energies Renouvelables (Ministere de l'Energie et des Energies Renouvelables)</i> 	<ul style="list-style-type: none"> • <i>Noah Ochima, Technical Expert - Solar and Off-Grid Energy, GIZ</i> • <i>Oscar Ankunda -- Energy Specialist (USAID)</i> • <i>Peter Nyeko -- CEO and Co-founder (Mandulis Energy)</i> • <i>Riccardo Ridolfi -- CEO (Equatorial Power)</i> • <i>Sumaya Mohamed -- Uganda Country Director (Power for All)</i> • <i>Raihan Elahi, Lead Energy Specialist, (ESMAP, World Bank)</i> 	<ul style="list-style-type: none"> • <i>Nicole Poindexter -- Founder and CEO (Energicity)</i> • <i>Patrick Longmire (March Finance)</i>
17:30-19:30	<p>Cocktail hosted by the Global Energy Alliance for People and Planet (GEAPP) Location: Mamta Pool Area</p>		

DAY 3 – WEDNESDAY, MARCH 1

GLOBAL KNOWLEDGE DAY

Location: Safari Park Hotel, Jambo Conference Center

9:00-9:20	<p>Welcome and Introductory Remarks</p> <ul style="list-style-type: none">• <i>Gabriela Elizondo Azuela -- Practice Manager, Energy Climate Finance and ESMAP (World Bank)</i>
9:20-10:20	<p>Launch of the Mini Grids for Half a Billion People Handbook -- 2022 Edition</p> <ul style="list-style-type: none">• <i>Introduction to the Mini Grids for Half a Billion People Handbook: Jon Exel -- Senior Energy Specialist (World Bank)</i>• <i>State of the Mini Grid Market Globally: James Knuckles -- Senior Energy Access Consultant (ESMAP / World Bank)</i>
10:20-10:30	<p>Overview of Today's Agenda and Clinics on the Ten Frontiers for Mini Grid Market Scale-up</p> <ul style="list-style-type: none">• <i>James Knuckles -- Senior Energy Access Consultant (ESMAP / World Bank)</i>
10:30-10:45	<p>Collaborating to Build a Profitable and Sustainable Mini Grids Sector</p> <ul style="list-style-type: none">• <i>Jessica Stephens, CEO (AMDA)</i>
10:45-11:15	Coffee Break

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	Technical Sessions A	Technical Sessions B	Technical Sessions C
	Conference Room: Tsavo	Conference Room: Amboseli	Conference Room: Samburu
11:15-12:30	<p>Costs: CAPEX, OPEX, LCOE</p> <p>Moderator and Presenter:</p> <ul style="list-style-type: none"> Chris Greacen -- Senior Energy Access Consultant (ESMAP/World Bank) <p>Panelists:</p> <ul style="list-style-type: none"> Camille André-Bataille -- CEO and Co-founder (ANKA Madagascar) Piyush Mathur -- Chief Business Officer (Odyssey Energy Solutions) Sammy Maina Borothi -- Business Development Manager-Sub-Saharan Africa (JinkoSolar) Brad Mattson -- Chairman and CSO (Husk Power Systems) (to be confirmed) 	<p>Public Finance, Performance Grants and Subsidies</p> <p>Moderator:</p> <ul style="list-style-type: none"> Jessica Stephens -- CEO (AMDA) <p>Presenter</p> <ul style="list-style-type: none"> Jon Exel -- Senior Energy Specialist (World Bank) <p>Panelists:</p> <ul style="list-style-type: none"> Hadiza Katagum -- Acting Head, Mini Grid Team, PMU (REA) Trey Jarrard -- CEO (Renewvia) Annette Mumbi -- Associate Director (CrossBoundary Energy Access) Daniel Kitwa -- Deputy Director Energy Access Finance (Greenmax Capital Advisors) Anita Otubu -- Senior Director UEF (SEforAll) 	<p>Training, Skills Development and Jobs Training at Scale</p> <p>Moderator:</p> <ul style="list-style-type: none"> Olumide Fatoki -- Head, Sustainable Energy Access (GIZ, NESP) <p>Panelists:</p> <ul style="list-style-type: none"> Benjamin Curnier -- Principal GMG Officer (AfDB) Ieva Indriunaite -- Policy and Partnerships Manager (Camco) Jude Numfor -- CEO (REI Cameroon) Lily Beadle -- Senior Manager (Carbon Trust) Nathyeli Acuna Castillo -- ESMAP Gender Specialist (ESMAP / World Bank) Sumaya Mahomed -- Uganda Country Director (Power for All) Yao Azoumah -- CEO (KYA-Energy Group)
12:30-14:00	<p>Lunch</p> <p style="text-align: right;">Location: Nyama Choma Ranch</p>		

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14:00-15:15	<p>Revenue</p> <p><i>Moderator:</i></p> <ul style="list-style-type: none">● <i>Suleiman Babamanu -- Nigeria Country Director (RMI)</i> <p><i>Presenter:</i></p> <ul style="list-style-type: none">● <i>James Knuckles -- Senior Energy Access Consultant (ESMAP / World Bank)</i> <p><i>Panelists:</i></p> <ul style="list-style-type: none">● <i>Aaron Leopold -- CEO (EnerGrow)</i>● <i>Aida Kiangi -- Country Coordinator (Jumeme)</i>● <i>Angus Dutton -- Business Development Lead (VIDA)</i>● <i>Nathyeli Acuna Castillo -- ESMAP Gender Specialist (ESMAP / World Bank)</i>● <i>Tombo Banda -- Innovation Lab Lead (CrossBoundary)</i>	<p>Regulation: Accelerating the Pace of Processing</p> <p><i>Moderator:</i></p> <ul style="list-style-type: none">● <i>Robert Opini, Finance, Utilities Pricing and Tariffs Specialist (AFUR-AESG)</i> <p><i>Panelists:</i></p> <ul style="list-style-type: none">● <i>Ignacio Pérez-Arriaga -- Interim Director (African School of Regulation)</i>● <i>Irene Calvé Saborit -- CEO (Sunkofa)</i>● <i>Nickson Bukachi -- Senior Renewable Energy Officer (EPRA)</i>	<p>Geospatial Analysis and Planning</p> <p><i>Moderator:</i></p> <ul style="list-style-type: none">● <i>Ashish Shrestha -- Energy Specialist (ESMAP / World Bank)</i> <p><i>Panelists</i></p> <ul style="list-style-type: none">● <i>Alex Masika -- Business Development Lead, Africa (Atlas AI)</i>● <i>Guillaume Dekelver -- Energy Access Team Leader (ENGIE Impact)</i>● <i>Mohamed Ajuang -- Geospatial Specialist (Village Infrastructure)</i>● <i>Nabin Raj Gaihre -- Co-founder and COO (VIDA)</i>
15:15-15:45	Coffee Break		
15:45-17:00	<p>Panel Session - Growing Mini Grids by an Order of Magnitude</p> <p>Location: Jambo Conference Center</p>		

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Moderator:

- *Dana Rysankova -- Lead Energy Specialist (World Bank)*

Panelists:

- *Hadiza Katagum – Acting Head, Mini Grid Team, PMU (REA)*
- *Brad Mattson -- Chairman and CSO (Husk Power Systems)*
- *Jon Exel -- Senior Energy Specialist (World Bank)*
- *Vivian Vendeirinho -- President (Africa Minigrad Developers Association, AMDA) and CEO (KUDURA Power East Africa, Ltd.)*
- *Joseph Nganga -- Vice President for Africa (GEAPP)*

17:00-17:20

Closing Remarks

- *Gabriela Elizondo Azuela -- Practice Manager, Energy Climate Finance and ESMAP (World Bank)*
- *Mr. Alex Kamau Wachira -- Principal Secretary (State Department for Energy, Ministry of Energy and Petroleum, Kenya)*

17:20- 20:00

Closing Cocktail hosted by the Energy Sector Management Assistance Program (ESMAP)

Location: Mamta Pool Area

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DAY 4 – THURSDAY, MARCH 2 **FIELD TRIP TO BUSIA COUNTY (FULL DAY)**

By invitation only (registration closed)

DAY 5 – FRIDAY, MARCH 3 **TRAINING**

Location: Bougainville Conference Room

By invitation only (registration closed)