



Private Sector Mini-grids: Moving from transitional to transformational

24th June 2019

Mövenpick Ambassador Hotel
Accra, Ghana

EED Advisory Ltd

Shelter Court, 140 Manyani Road, Nairobi

www.eedadvisory.com

1.0 Introduction to EED Advisory



- EED Advisory is a consulting firm offering technical, analytical and advisory services in the energy, water, and climate change space.
- Services offered include market research and data analytics; program/project design including strategy development; and technical training.
- Our clients include:

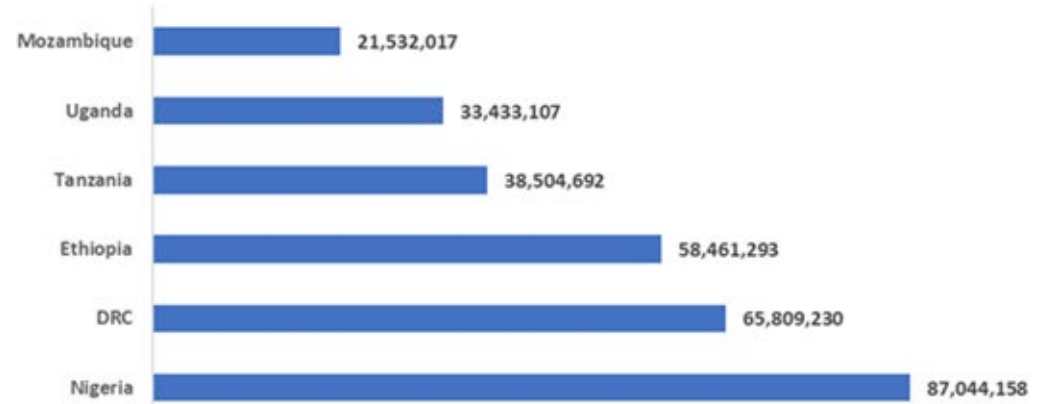
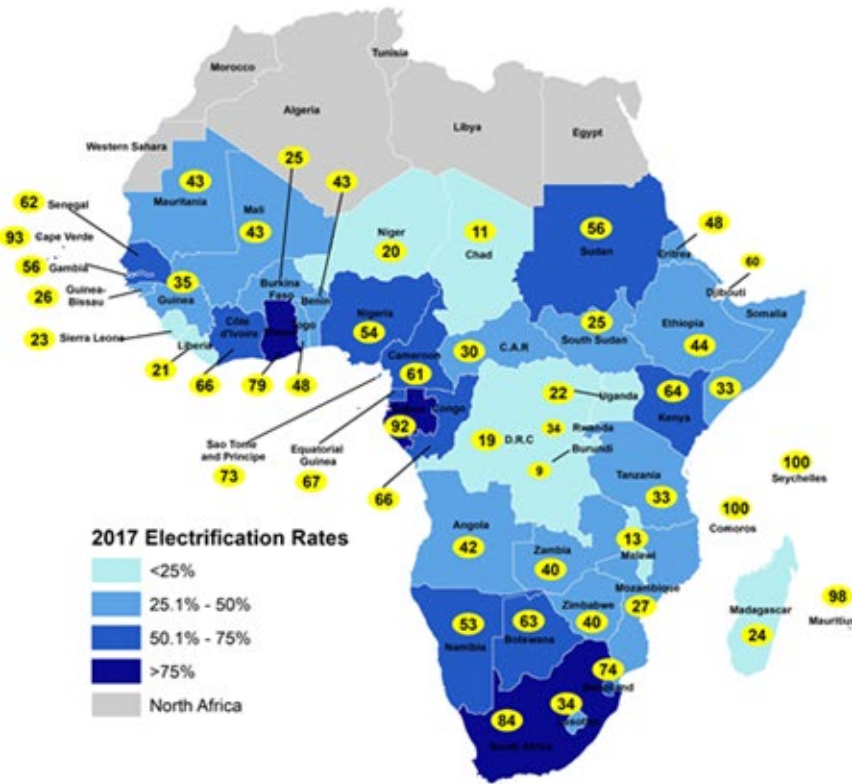


2.0 Why is this discussion important?

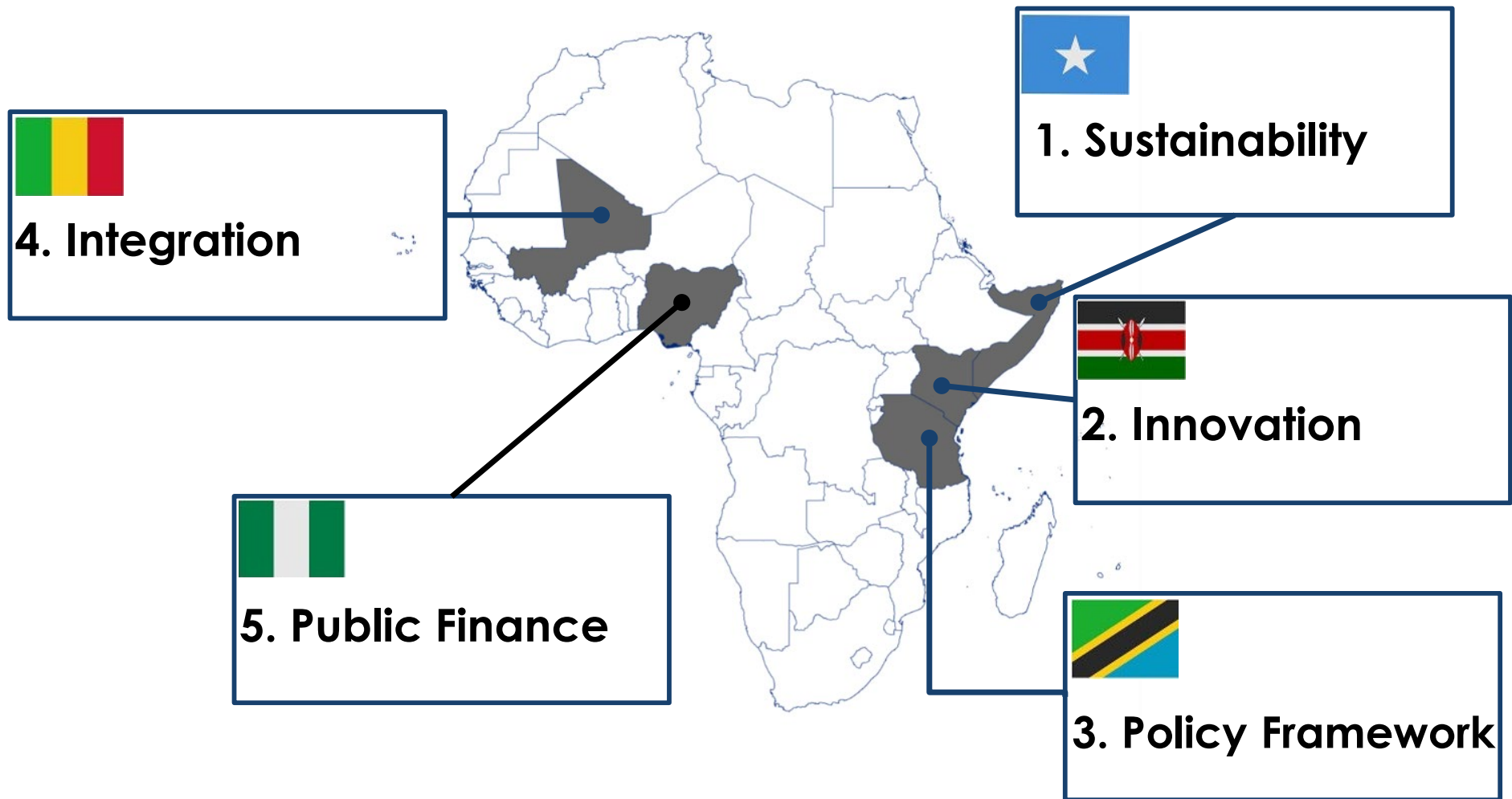


- **Goal #7:** Ensure access to **affordable, reliable, sustainable** and **modern** energy for all.
- The global electrification rate is an impressive 89% but still **573 million people in SSA** do not have access.
- **144 countries** have electrification rates above 75% - only 7 of these are in SSA
- **30 countries** have electrification rates below 50% - all but 2 are in SSA
- Between **100 million and 300 million** are best electrified using mini-grids (IEA, UNDESA and CrossBoundary)

3.0 Electricity Access – SDG 7



4.0 Highlighted Elements



5.0 Moving towards transformational



- **Go mainstream** - Move from “when will the grid arrive” to “we are part of the grid extension”
- **Emphasis the value proposition** – Innovation, agility, capital and cost-effectiveness
- **Embrace subsidies** – It is a crucial component of rural electrification (access and consumption subsidies)
- **Resolve the identity crisis**- Adopt the ESMAP multi-tier vocabulary to classify mini-grids i.e. “*mini-grid X is a Tier 4 mini-grid versus mini-grid Y which is a Tier 3 mini-grid*”

#	ATTRIBUTE	T-1	T-2	T-3	T-4	T-5
1	Peak Capacity (W)	3 W	50 W	200 W	800 W	2000 W
2	Availability (Hours/day)	Min 4h	Min 4h	Min 8h	Min 16h	Min 23h
3	Reliability (# disruptions/week)	-	-	-	Max 14	Max 3

Contacts



Murefu Barasa,

EED Advisory Limited, 140 Manyani W. Road, Nairobi,

mbarasa@eedadvisory.com