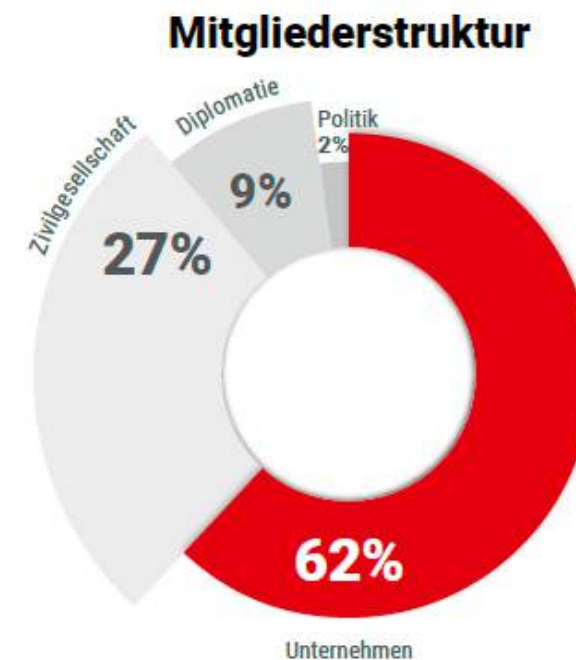


# **Energie-Projekte im frankophonen Afrika nach dem Beispiel von Senegal**

**Bienvenue Angui, Geschäftsführerin  
Mittelstandsallianz Afrika, BVMW**

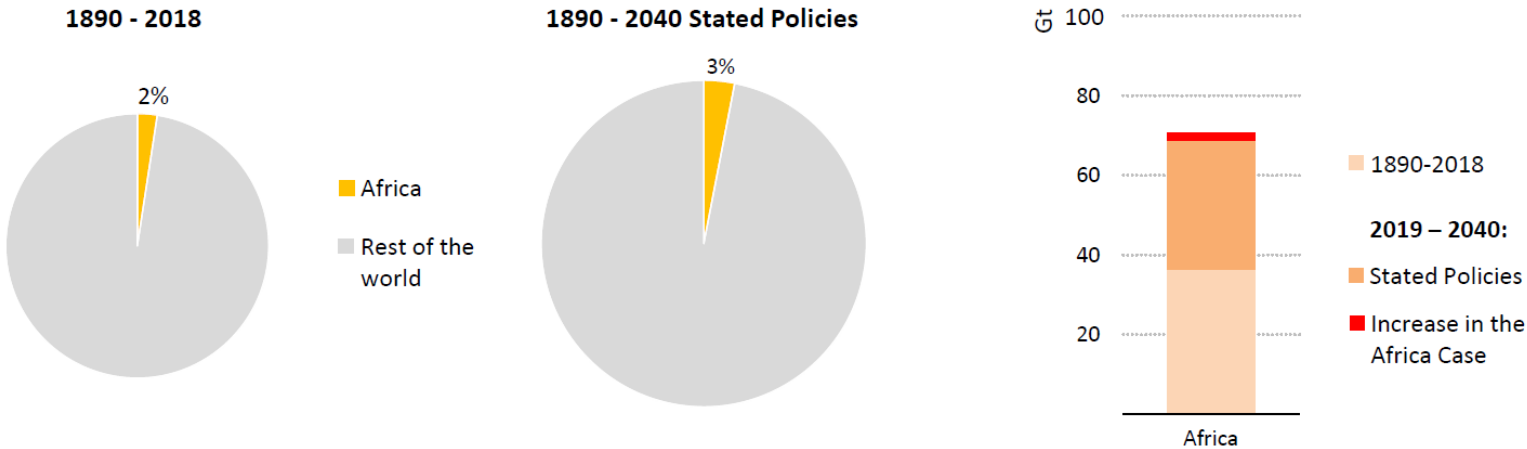
# MITTELSTANDSALLIANZ AFRIKA



# PARADOX

## Not a major emitter, but climate change matters greatly for Africa

Cumulative energy-related CO<sub>2</sub> emissions by scenario

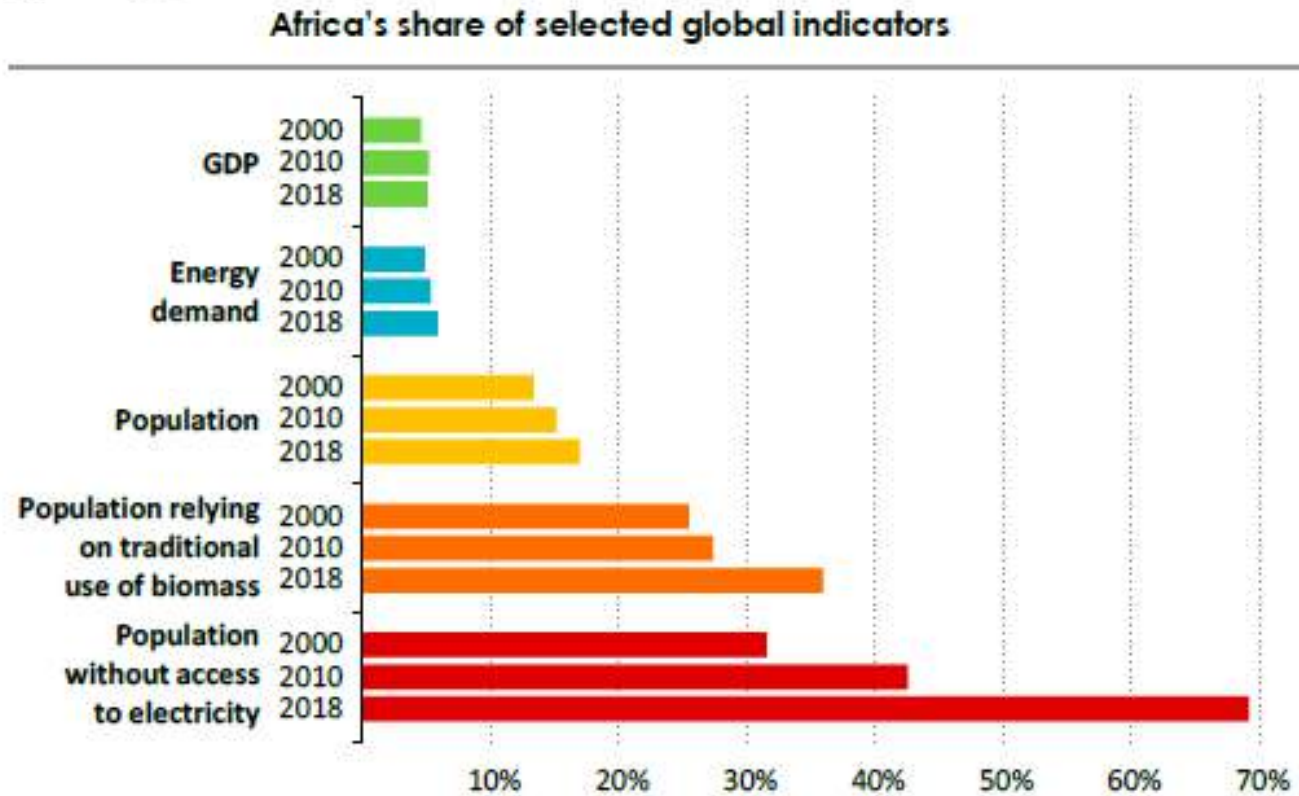


While Africa is responsible for a small portion of global CO<sub>2</sub> emissions, it suffers greatly from the impacts of climate change, underlining the importance of climate-resilient infrastructure

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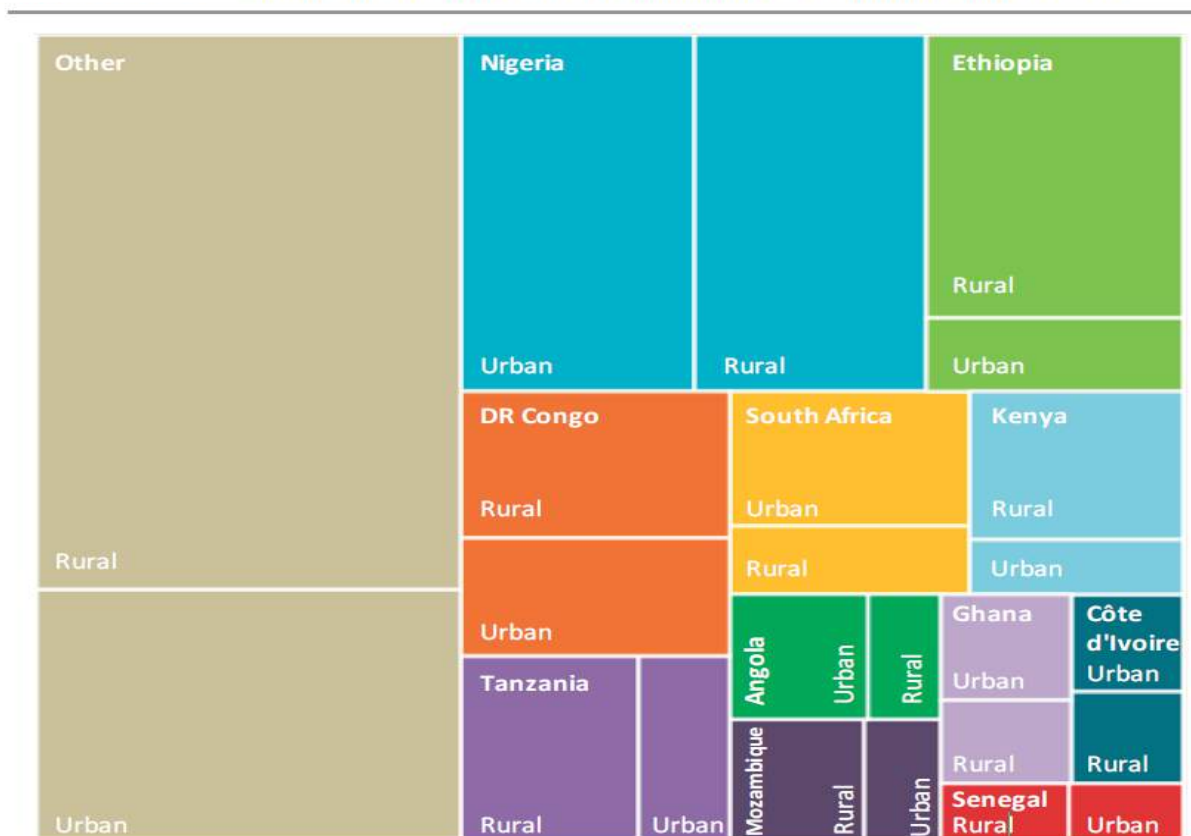
# PARADOX



*Africa accounts for a low share of the world's energy demand and a high share of the population without access to modern energy services*

# PARADOX & CHANCEN

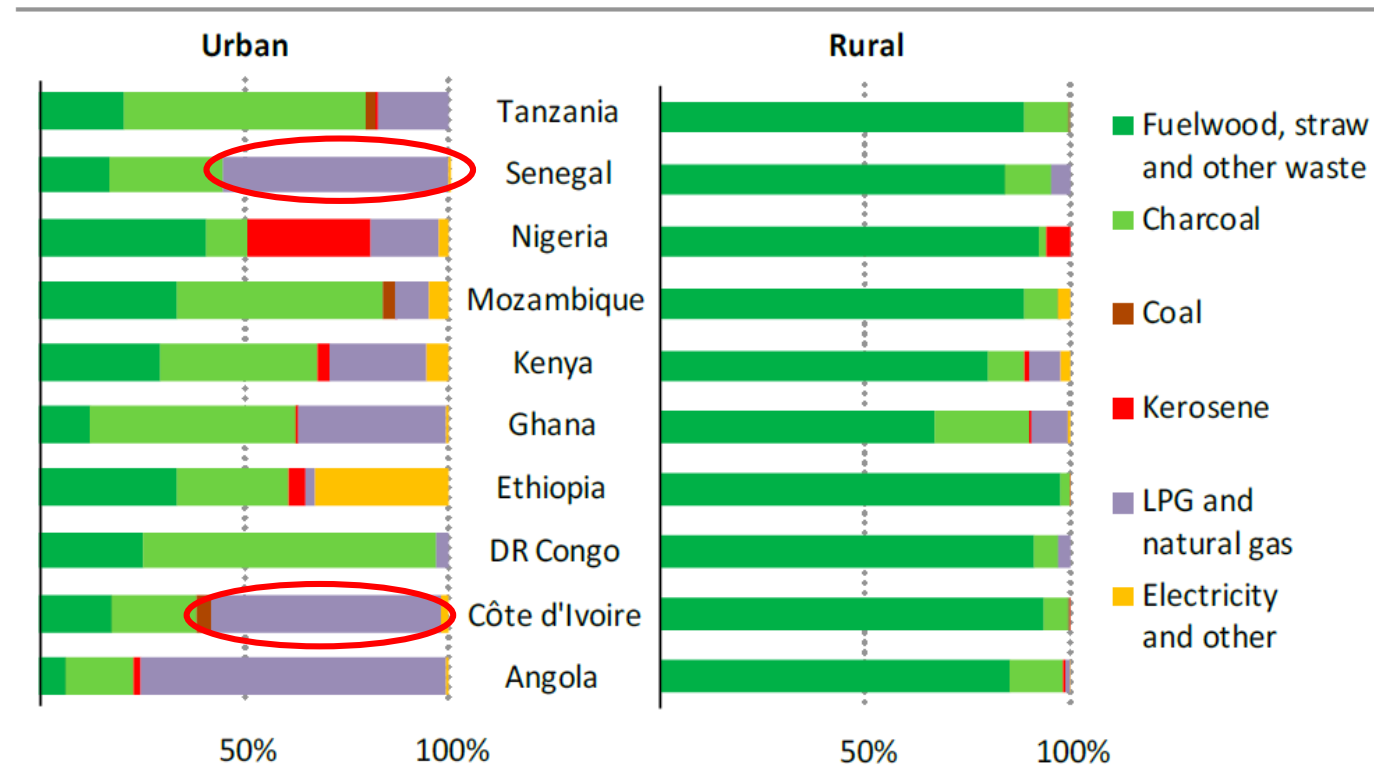
Share of urban/rural population in sub-Saharan Africa, 2018



*Eleven countries account for almost two-thirds of sub-Saharan Africa's 1.1 billion people today*

# PARADOX & CHANCEN

Main fuels used by households for cooking, 2018



*Use of clean cooking fuels such as LPG continues to increase in urban areas, but reliance on traditional use of biomass still dominates in rural areas*

# Côte d'Ivoire (CwA)


Policy	Key targets and measures
<b>Performance targets</b>	<ul style="list-style-type: none"> <li>▪ Increase electricity generation to 4 000 MW by 2020 and 6 000 MW by 2030.</li> <li>▪ <i>Programme National d'Électrification Rurale</i>: connect all localities with more than 500 inhabitants by 2021 and all areas by 2025.</li> </ul>
<b>Industrial development targets</b>	<ul style="list-style-type: none"> <li>▪ Achieve emerging economy status by end of 2020 while ensuring that industry accounts for 40% of the economy.</li> <li>▪ Accelerate the structural transformation of the economy through industrialisation, develop infrastructure throughout the country and protect the environment.</li> <li>▪ Rise in investment rate from 19.3% in 2015 of GDP to 24.5% in 2020 with significant contribution from private sector.</li> </ul>

# Senegal (CwA)

Policy	Key targets and measures
<b>Performance targets</b>	<ul style="list-style-type: none"> <li>▪ Start producing 100 000 barrels of oil per day from 2022.</li> <li>▪ Achieve 200 GWh hydropower production in electricity generation output.</li> <li>▪ Reach universal access to electricity by 2025, with 95% of rural connections provided by the grid.</li> </ul>
<b>Industrial development targets</b>	<ul style="list-style-type: none"> <li>▪ The overall goal of <i>Le Plan Sénégal Emergent</i> 2023 is to achieve, through structural transformation of the economy, strong, inclusive and sustainable growth for the well-being of the people and reach middle-income status by 2035.</li> </ul>



# Senegal (CwA)

SCALING SOLAR 2		ENERGY
<b>ACTORS :</b>	MEDER, MEFP, CRSE, ANER, SENELEC, FONSI, SFI	
<b>GOALS :</b>	To develop quickly photovoltaic solar stations with competitive rates by appealing to the private sector's investment next to the Senegalese state	
<b>OVERVIEW :</b>	Development project, through call for tenders, for a photovoltaic station with a nominal capacity of about 40Mw in the Scaling Solar program, aiming to implement a global installed capacity of 100Mw Locality to identify	
<b>IMPACTS :</b>	Injection of a 40Mw additional nominal capacity to the SENELEC network Significant reduction of KWH's cost Social and environmental impact	<b>COST :</b> FCFA 25 billion EUR 38 million
<b>ASSETS / APPEALS :</b>	Innovative and competitive structuration model Diversification of the national energy mix by introducing clean and cheap power sources Senegal's exhibition, through FONSI, to profitable and low risk assets	Public share / Seed Funds: Up to 5%
<b>MATURITY :</b>	The call for tenders' has been launched and will restart as soon as the station's location site is identified	

# Senegal (CwA)

SOLARYS	ENERGY
<b>ACTORS :</b>	FONSIS - SONES - SENELEC
<b>GOALS :</b>	To allow a permanent and stable water distribution in Dakar's region To support the SENELEC network's part destined to supply water production factories
<b>OVERVIEW :</b>	Establishing self-consuming photovoltaic solar power stations with a cumulative capacity of around 12W, expandable to 17W on behalf of the Senegalese national water company (SONES). These stations will be coupled to energy storage units with a 13,5 Mwh cumulative capacity, expandable to 18,5 Mwh. Localities: Keur Momar Sarr, Pout, Sébikotane.
<b>IMPACTS :</b>	Reducing SONES's power charges Limiting the critical works' vulnerability to network disturbances Mix diversification Jobs creation Development of implicated areas.
<b>ASSETS / APPEALS :</b>	Improving SONES's facilities operation Security of water distribution in Dakar
<b>MATURITY :</b>	SPV creation by FONSIS Signature of an agreement protocol between SONES and FONSIS – feasibility analysis made by the consultant AWASE Limited consultation (September 2018) to select a co-developing partner



**COST :**  
FCFA 53,3 billion  
EUR 81 million

Public share / Seed Funds:  
Up to 15%

# Senegal (CwA)

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## TASK FORCE SENEGAL 2020



**Senegalesische  
Unternehmen**

**Machen Sie mit!**

## Meine Kontakte

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