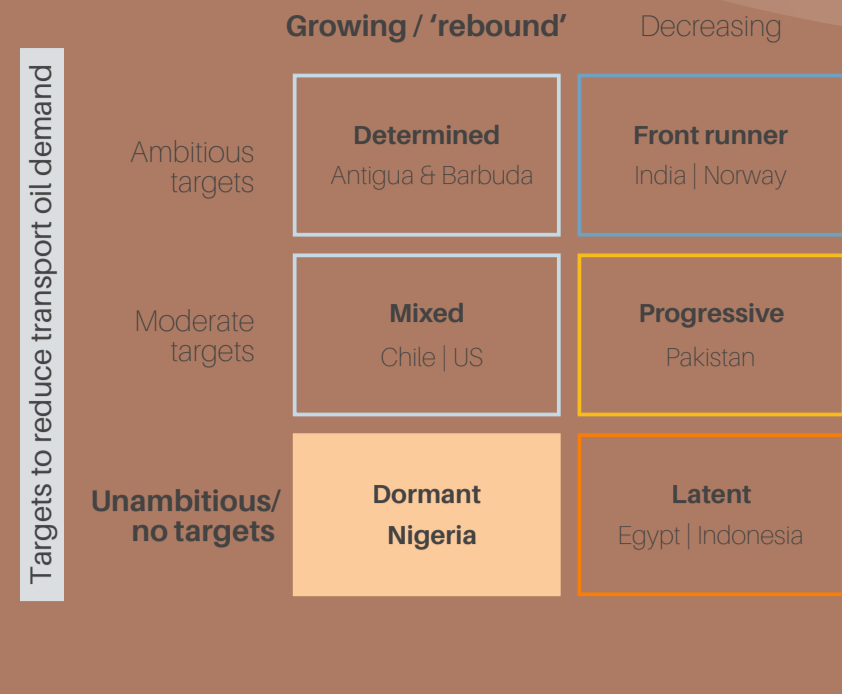


Nigeria

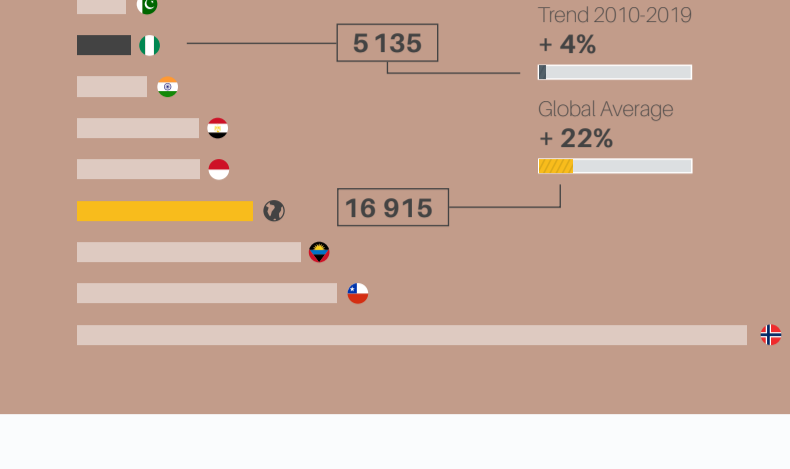
Transport GHG emissions in Nigeria have grown slower than population and GDP, generally due to an under-supply of transport options. Reducing future growth in emissions will require enhanced efforts to implement low-carbon mobility solutions and increase transport efficiency. Successful subsidy reforms are currently threatened, straining budgets that could be used to improve mobility and advance sustainable development in coming decades.

Country Typology Framework

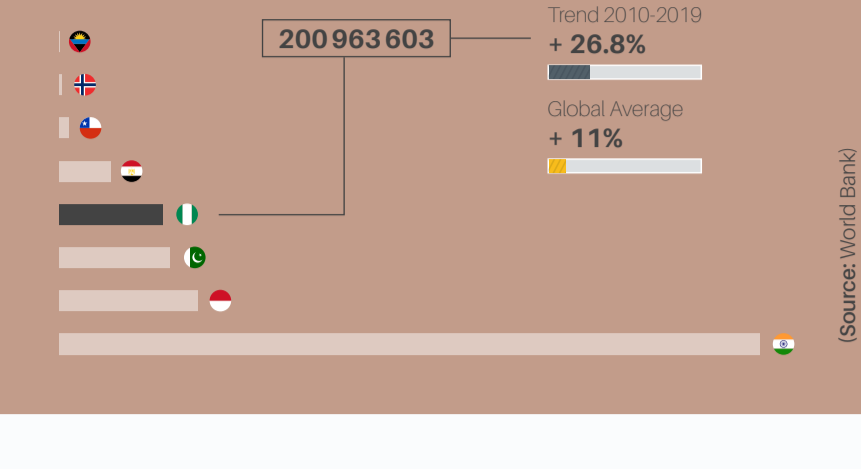
This framework is the basis for an analysis of fossil fuel subsidy reform and renewable energy scale up in the transport sector, which can reduce carbon emissions and generate tax revenues for sustainable development.



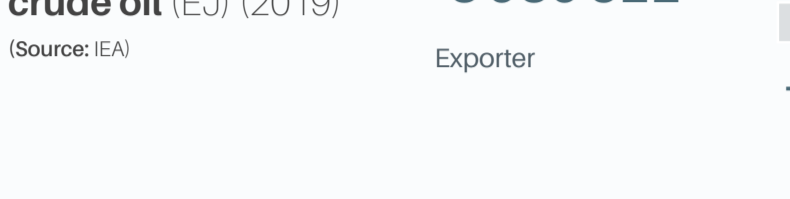
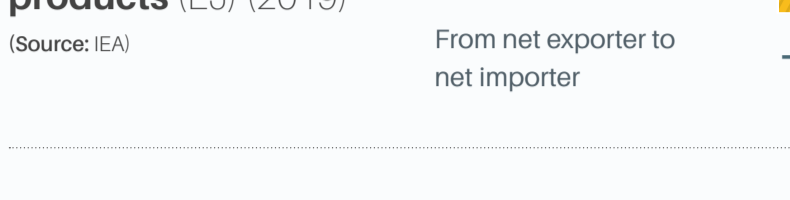
\$ GDP per capita 2019



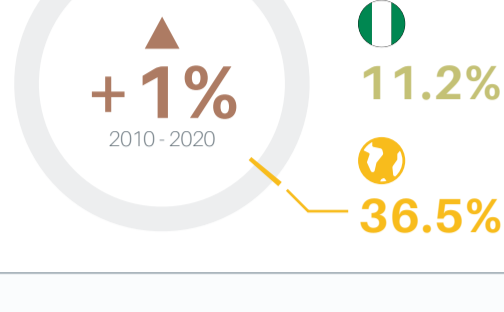
Population 2019



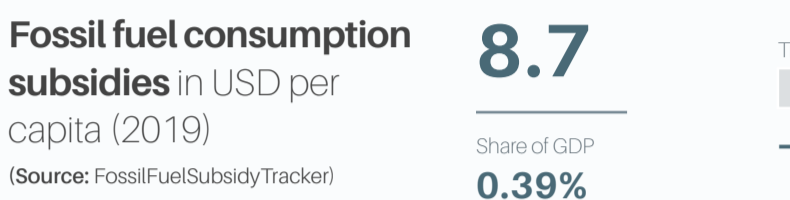
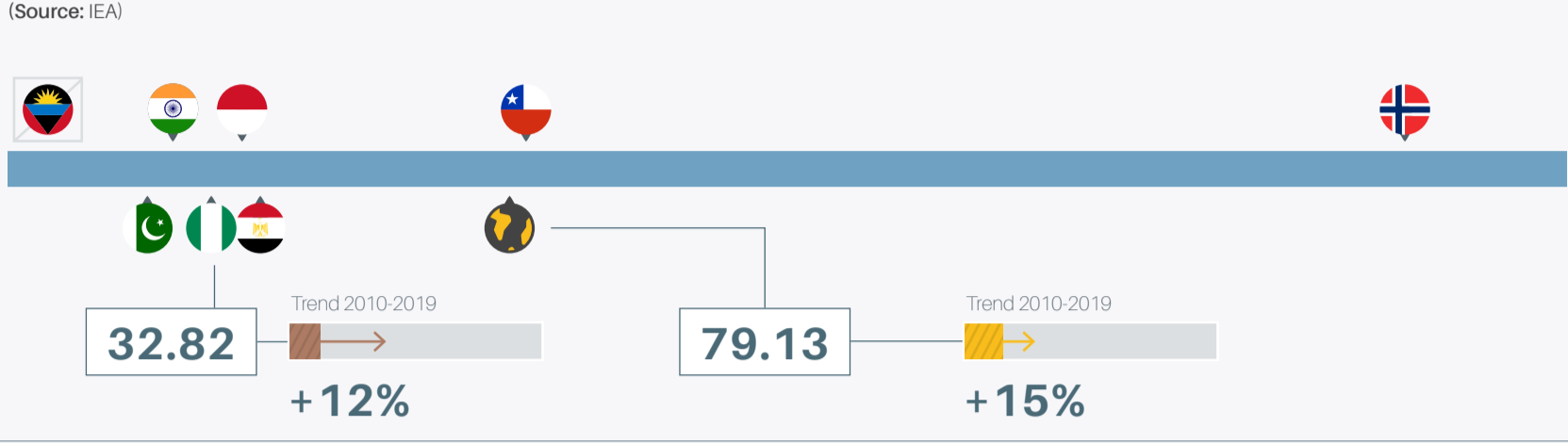
Fossil Fuel Energy



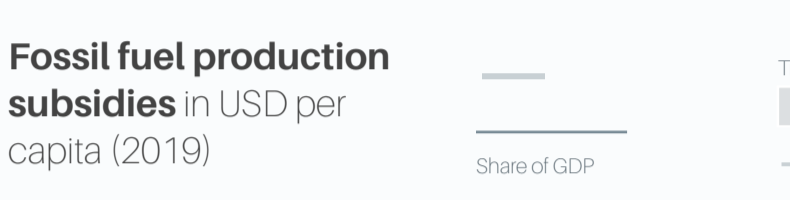
Share of power generation in total fossil fuel CO₂ emissions



Total energy supply per capita (TJ/cap) (2019)



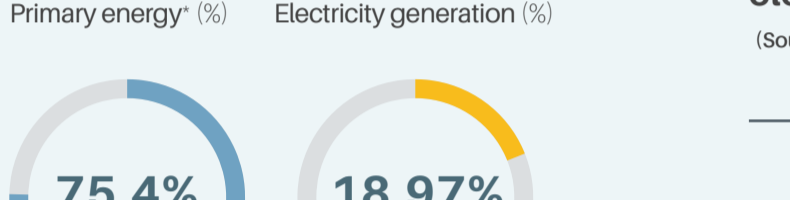
Most consumption subsidies in Nigeria focus on oil products. The steep decrease in subsidies was driven by a 2014 reform, using low market prices to phase out subsidies.



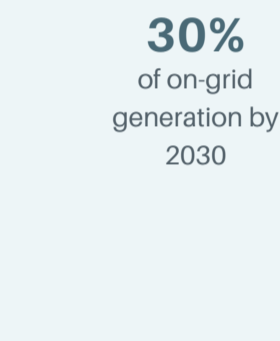
Subsidies were nearly eliminated by 2016, but fuel prices were kept stable despite increasing oil prices, leading to a revival of subsidies from 2018.

Nigeria's federal government approved the \$5.9 billion Nigerian Economic Sustainability Plan in July 2020. This pandemic recovery plan includes investments in clean energy, agriculture and infrastructure. The plan is intended to increase energy access and equity and is one of the largest renewable energy recovery packages from a middle- or low-income country to date.

Renewable Energy

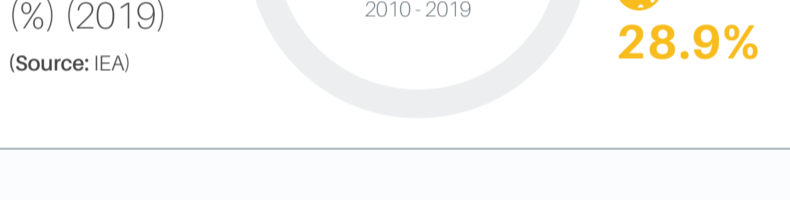
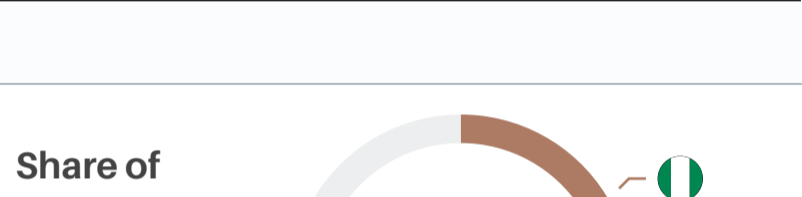
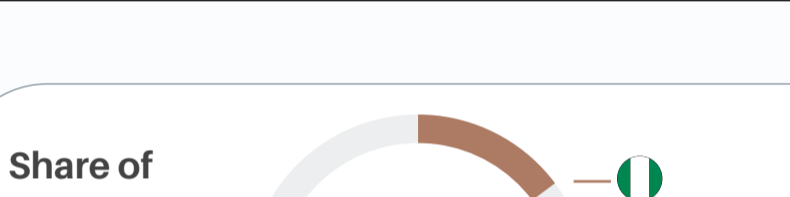


Renewable electricity target

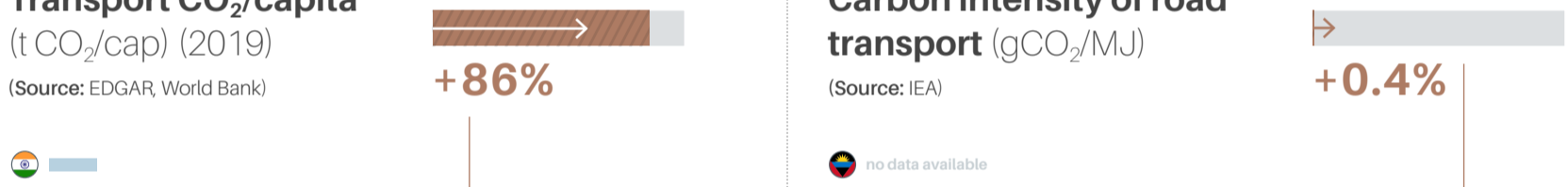


Nigeria has additional targets to install 13 GW of off-grid renewable capacity, eliminate diesel and gasoline generators, and replace diesel and single cycle steam turbines with combined cycle by 2030.

Transport



Motorisation rate 2015 (vehicles* per 1000 inhabitants)



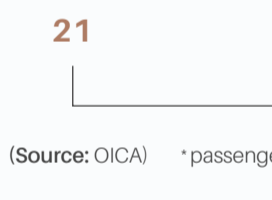
VEHICLE ELECTRIFICATION

	Total number in use (2019)	Growth (2018-2019)	Number sold (2019)	Growth (2018-2019)
Electric Cars	0	—	0	—
Electric 2-wheelers	0	—	0	—
Electric 3-wheelers	0	—	0	—
Electric Buses	0	—	0	—

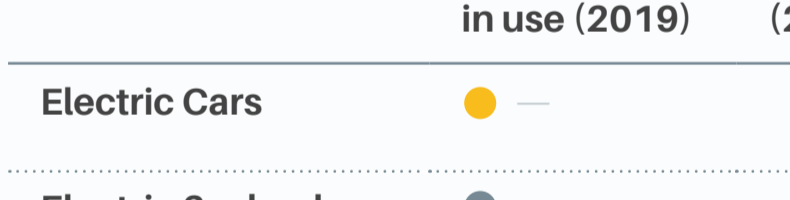
Nigeria does not currently have any support policies for electric vehicles.

MAX.ng, is a Nigeria-based motorcycle ridehailing and delivery service. The company has introduced a fleet of domestically-manufactured electric motorcycles in partnership with a domestic renewable energy company, to provide motorcycle charging stations.

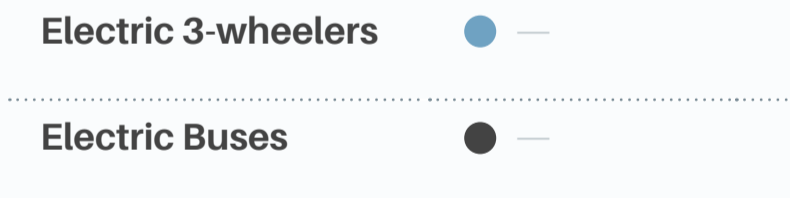
EV targets



BIOFUELS



The National Renewable Energy Action plan outlines targets of a share of 57.34% of bioethanol and 17.45% of biodiesel by 2030.



VEHICLE EFFICIENCY



Other transport targets: none



Threats and Opportunities

ENERGY

Nigeria is Africa's leading oil producer, with average daily production of roughly 1.8 million barrels in 2020. The petroleum industry accounts for about 9% of Nigeria's GDP and for almost 90% of its export value (Statista). Reduced oil demand through global climate action could reduce revenues in Nigeria in the medium term.

TRANSPORT

Nigeria has one of the highest second-hand vehicle import rates in the world, representing 16% of Africa's imports between 2015 and 2018 (UNEP). The high emissions and low efficiency of second-hand vehicles contribute to greater pollution and higher energy consumption. Increasing support for zero-emission vehicles - combined with stricter import standards - could reduce costs to individuals and society.

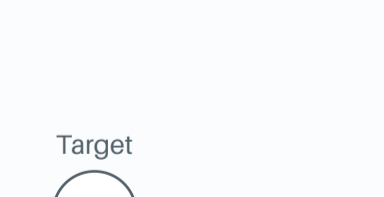
Nigeria's National Renewable Energy Action Plan provides opportunities for Nigeria to build its renewable energy strategy with local resources (Source: GoN). Off-grid renewables offer potential to provide electricity to the nearly 50% of the population that did not have access to electricity in 2019 (Source: World Bank).

Nigeria's current low car ownership rate offers potential to transition to more sustainable transport systems without replacing a large stock of existing vehicles. A large part of Nigeria's population relies on non-motorised, shared and public transport solutions. Further measures are needed to enhance the quantity and quality of these modes and to prevent the unsustainable spread of private cars and SUVs.

The Regional Fuel Economy Roadmap, agreed by the Economic Community of West African States, offers an opportunity to reduce fuel imports if decisively implemented at national levels (TCC-GSR).

Sources

EDGAR | ETT | GoN | ICCT LDV | Idrisu | IEA | IEA EV | IEA FFS | NDC | OECD | OICA | REN21 | TCC-GSR | World Bank | WRI | NDC draft | SE4ALL | Stratas Advisors (2018) | SSATP | ICCT | Statista



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