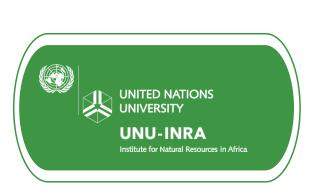
Stranded Assets

<u>Infographics</u>





48%

•

\$1.4 trillion

African nations' GDP that is vulnerable to extreme climate patterns will increase from **\$895 billion** in 2018 to **\$1.4 trillion** in 2023 – representing **48%** of the entire continent's GDP

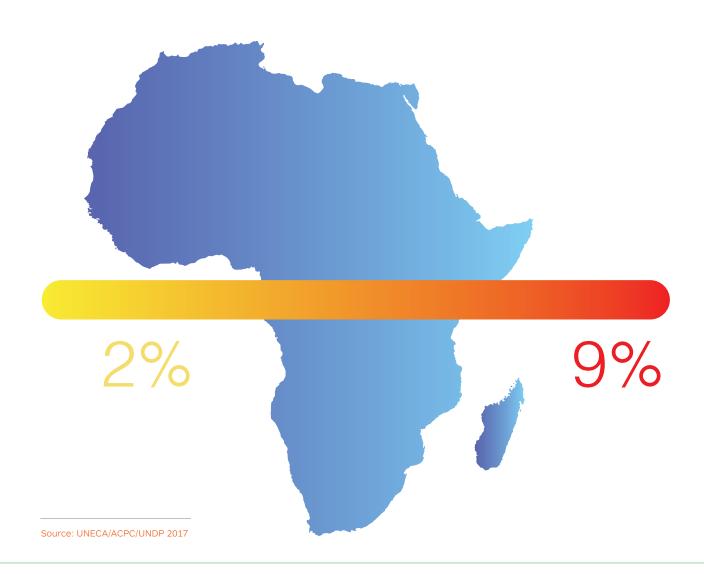


Source: The Climate Vulnerability Index (CVI) 2018



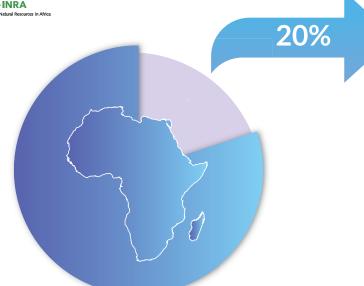


African countries are already investing **2% - 9%** of their **GDP** in **adaptation**









\$377 billion for climate mitigation

Public expenditure on adaptation by African countries constitutes 20 % of their total needs presently

Source: UNECA/ACPC/UNDP 2017



Sub-Saharan Africa will require an estimated **\$377 billion** in financing for climate mitigation investments and **\$222 billion** for climate resilience investments in order to reach its NDCs.

Source: Climate Investment Funds 2017

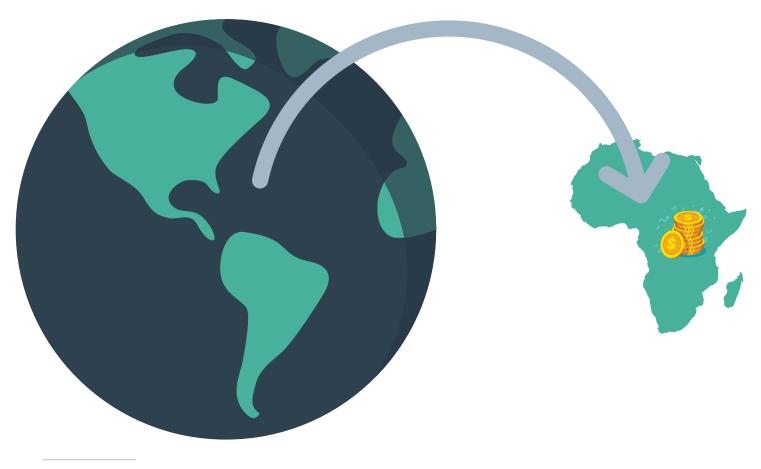


\$12 billion climate finance reached Sub-Saharan Africa

Source: Global Landscape of Climate Finance 2015



Only $\frac{3\%}{}$ of global climate finance flows into Africa



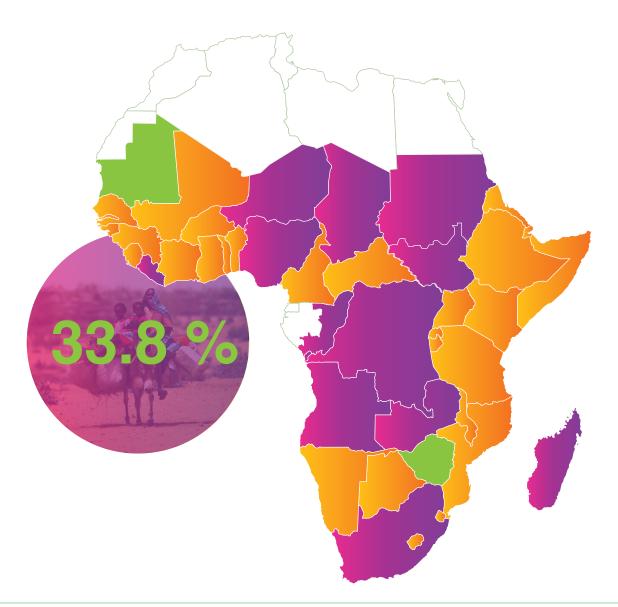
Source: AfDB COP24



Africans living in extreme poverty

428,343,246 out of 1,265,749,065





KEY

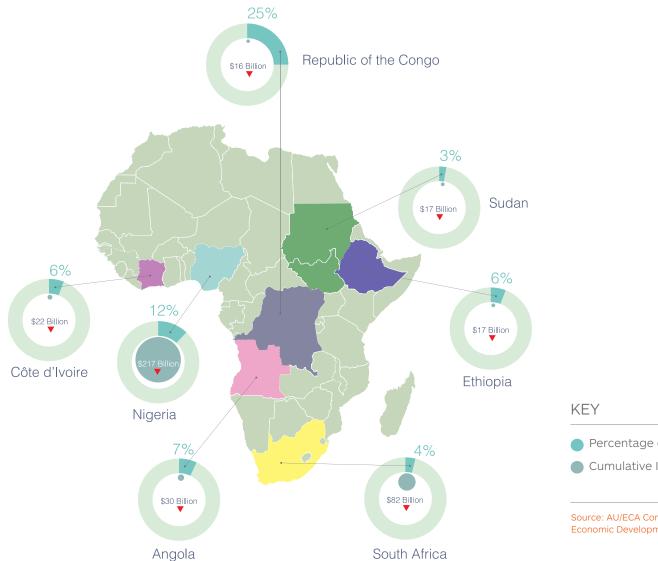
- Poverty Rising
- Off-track for SDG target
- On-track for SDG target
- O No extreme poverty

Source: World Poverty by World Data Lab, 2019



Top 10 African countries by cumulative illicit financial flows, 1970-2008

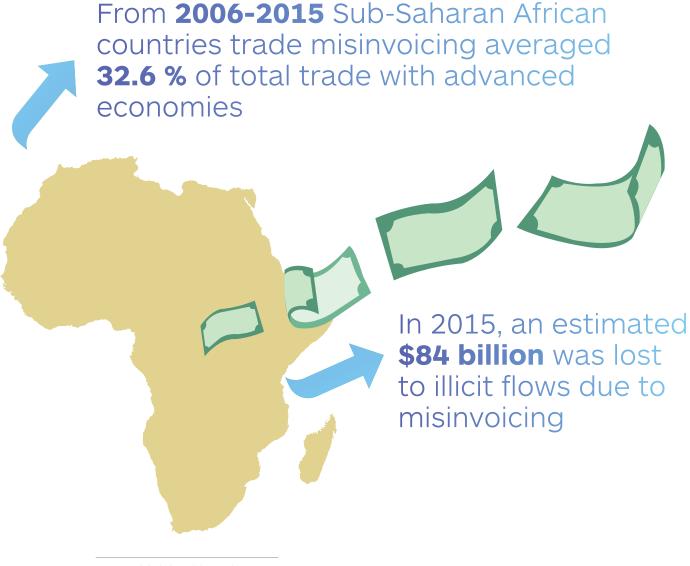




- Percentage of GDP
- Cumulative IFFs (1970 2008) (\$ billions)

Source: AU/ECA Conference of Ministers of Finance, Planning and Economic Development, 2014



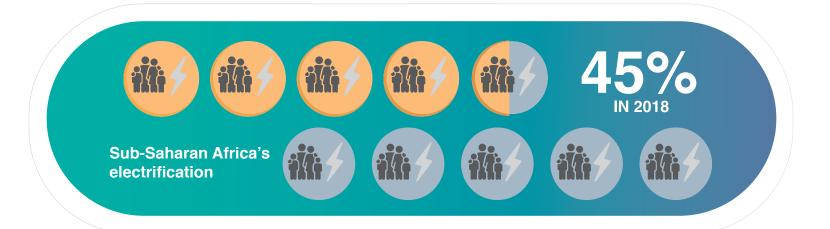


Source: Global Financial Integrity, 2019



Sub-Saharan Africa's electrification rate was 45% in 2018





Source: Africa Energy Outlook 2019, IEA



Africa accounts
4%
of global power
supply investment



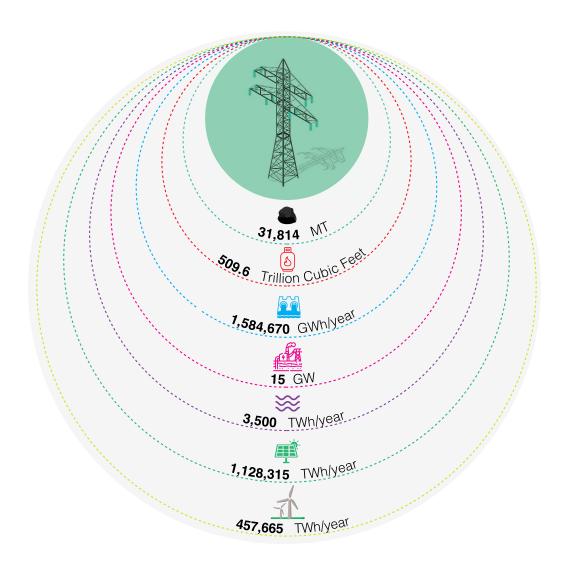
Africa's ambition requires almost a **fourfold** increase in power sector investment, to around **\$120 billion** a year

Source: Africa Energy Outlook 2019, IEA



10

Energy resources and Africa's potential to power itself



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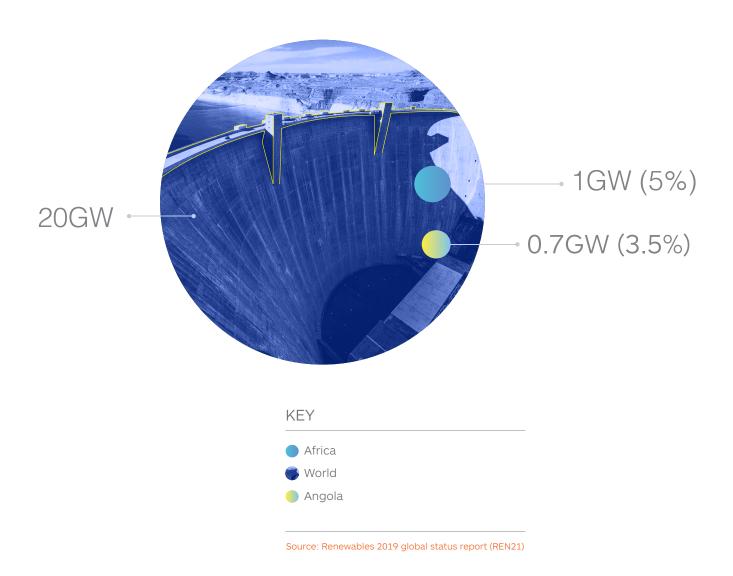
- Coking coal (mt)
- (a) Natural gas (tcm)
- Hydroelectricity (GWh/year)
- Geothermal electricity (GW)
- Hydrokinetic (tides, waves, etc.) (TWh/year)
- Solar (TWh/year)
- Wind (TWh/year)

Source: Atlas of Africa Energy Resources. 2017



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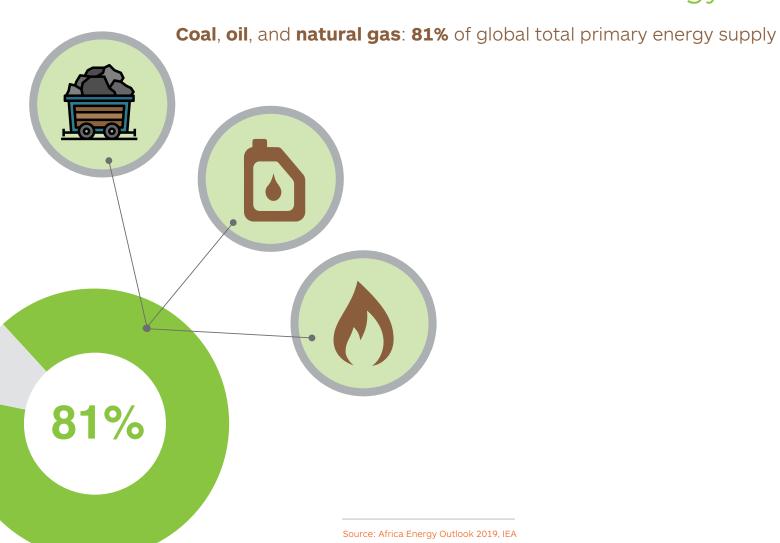
Hydropower capacity added in 2018







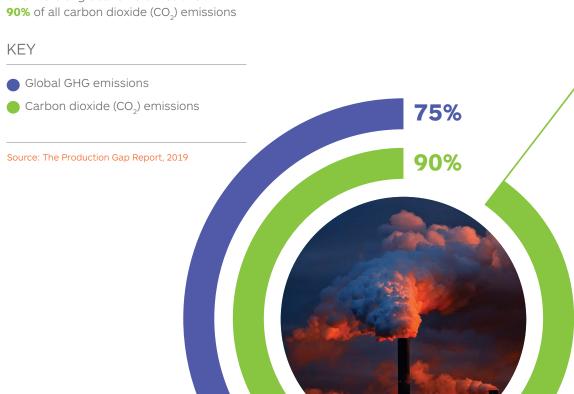
Fossil fuels - main source of energy in 2018





Fossil fuels are the largest contributor to climate change

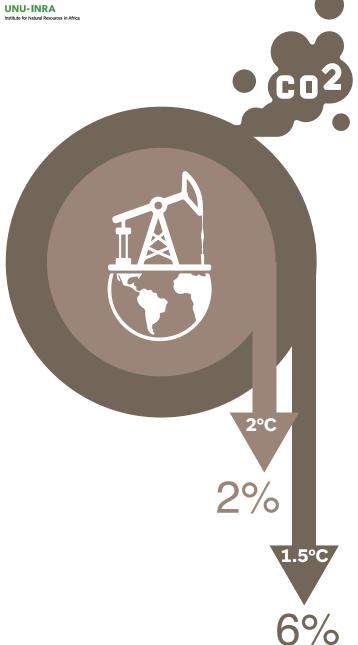
Over **75%** of global GHG emissions













Intergovernmental Panel on Climate Change (IPCC)

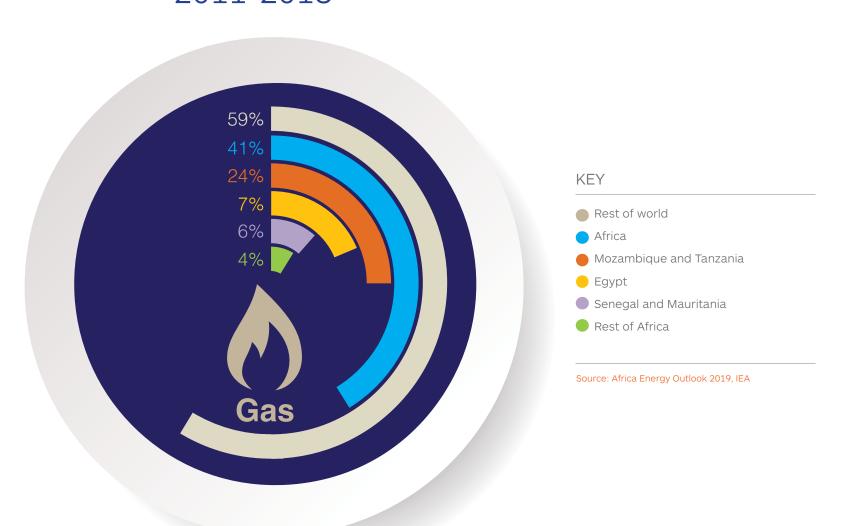
CO₂ emissions from fossil fuels will need to decline by: 6% per year to remain on a 1.5°C 2% per year to remain on a 2°C

Source: The Production Gap Report, 2019



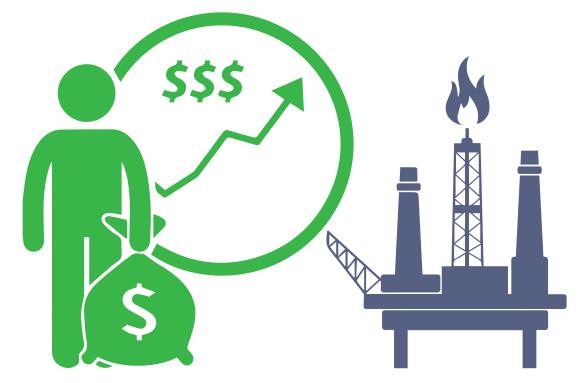


Share of global gas discoveries 2011-2018









Investment in fossil fuel exploration, extraction and delivery infrastructure could remain at about **\$1 trillion** annually through 2040

Source: The Production Gap Report, 2019



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Africa average net income from oil & natural gas from 2010-2018 was \$184 Billion

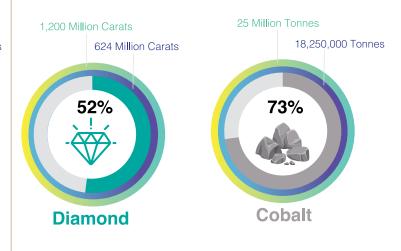




Extractive resource reserves and potential in Africa: How critical are Africa's resources to the world?







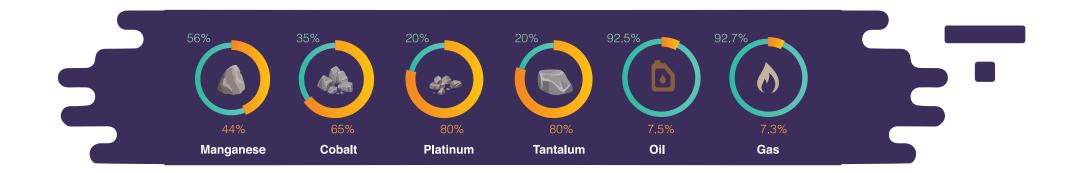






Africa's share of global minerals production 2018





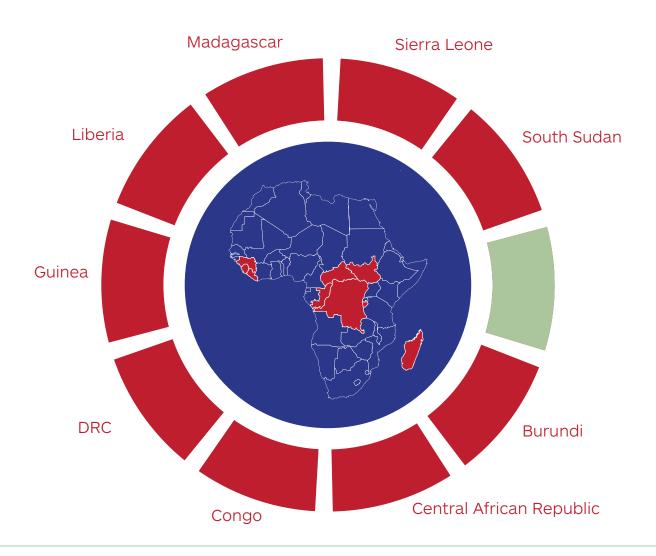


Source: Africa Energy Outlook 2019, IEA and BP Statistical Review of World Energy, 2019



9 out of 10 of the countries most vulnerable to climate change are in sub-Saharan Africa





Source: The Climate Vulnerability Index (CVI)/Time, 2019



African capital cities at extreme risk to the impacts of climate change





Source: The Climate Vulnerability Index (CVI) 2018



Sub-Saharan Africa has at least **10 vulnerable** coastal cities with a population of more than **1 million**, including

Abidjan, Accra, Dakar, Dar es Salaam, Douala, Durban,

Lagos, Luanda, Maputo and Port Elizabeth

Source: UN-Habitat, 2014







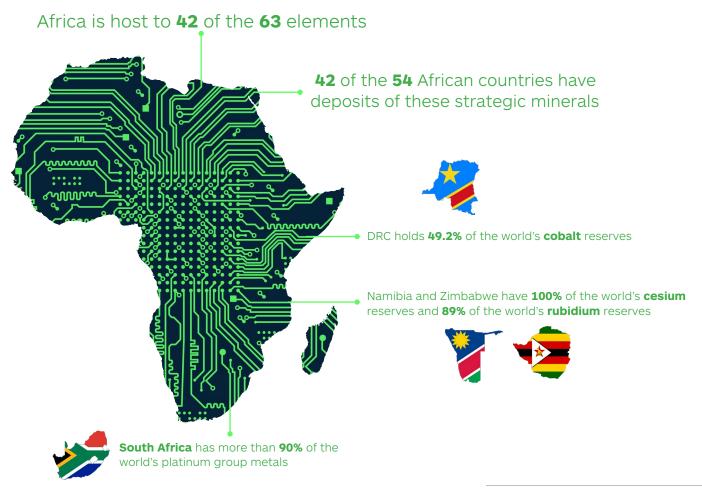
- 13,030 oil spills
- 3,257,362.44 barrels of oil discharged into the terrestrial, coastal and marine environment

Source: Chinweze, Abiola-Oloke and Jideani, 2012



Minerals for low carbon technologies and the 4th industrial revolution





Source: US Geological Survey 2019 and UNU-INRA 2019

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