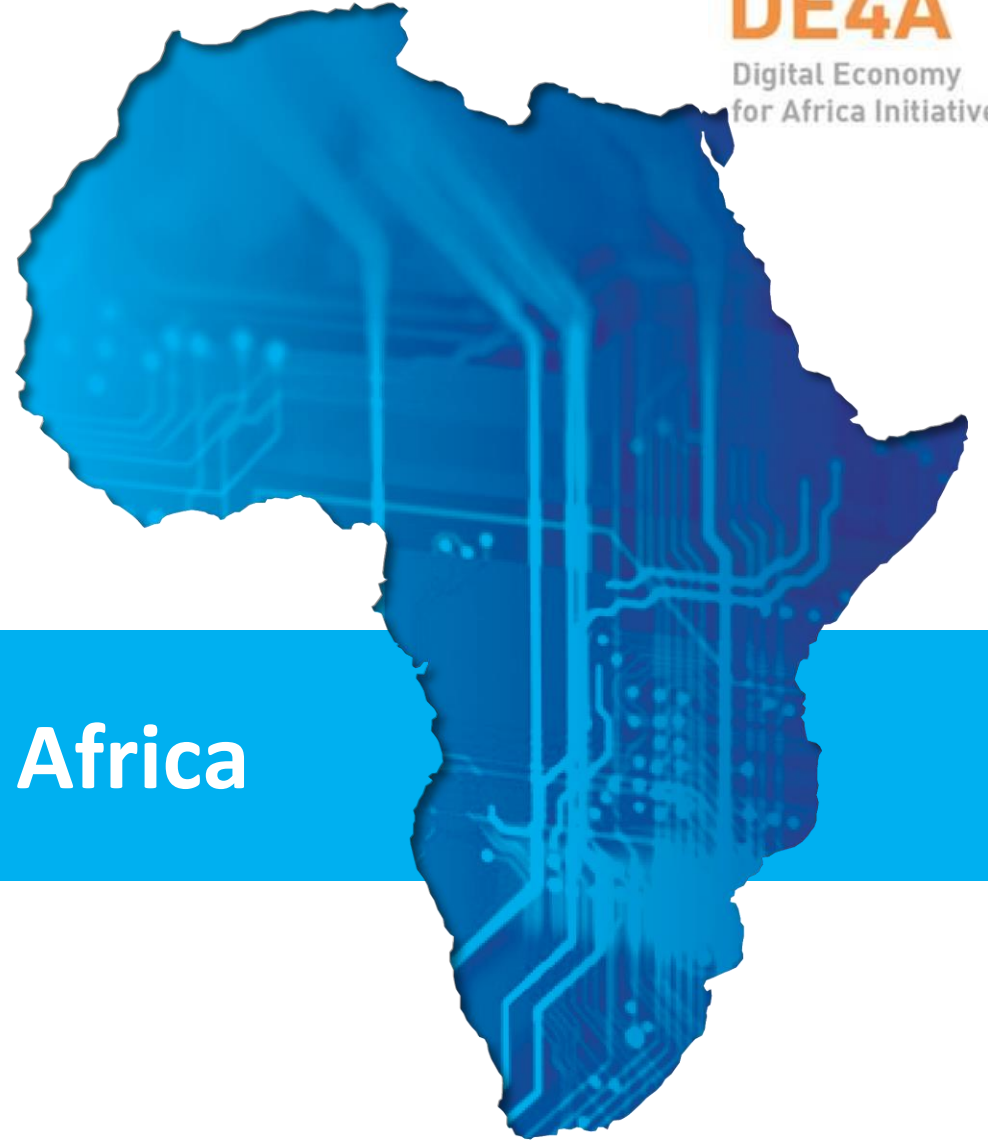


DE4A

Digital Economy
for Africa Initiative



Sustainable Digital Transformation in Africa

September 28, 2021

WBG takes a holistic approach to digital development

Development Goals



IDA19

Twin Goals

UN's SDGs



Achieving inclusive, resilient and secure digital transformation through foundations and use-cases



Sectoral use cases








Health telemedicine, public health information	Education e-learning, EdTech	Social Protection digital transfers, digitalized registries for better targeting	Gov tech applications e-procurement, e-taxation	Climate change energy efficiency, e-waste management	Poverty digital tools for measuring and monitoring
Agriculture digital platforms, e-vouchers	Macro, Trade & investment E-commerce	Urban Smart cities	Gender inclusion	Energy IoT for smart grids	Transport E-mobility



Digital economy foundations



Digital Infrastructure 	Digital Public Platforms including ID 	Digital Financial Services 	Digital Business 	Digital Skills 
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Digital connectivity, Data infrastructure & policy



Policy and regulatory reform for digital infrastructure and data for development

Digital capabilities for people, government, businesses

Digital Trust: responsible use of digital technology, data protection, cybersecurity

Data infrastructure & disruptive technologies enablers: data centers, cloud computing, interoperable data systems, 5G/IoT strategies, AI framework

Digital infrastructure for connectivity: universal access to affordable and quality internet for individuals, governments, businesses



Cooperation with IFC and MIGA

Mobilizing Finance for Development

Catalyzing private investments in digital and non-digital companies

Supporting growth of markets and local ecosystems (IFC Strategy 3.0).



Managing the risks associated with fostering digital transformation

Risks of exclusion

- Global divide
- Gender divide
- Rural-Urban divide
- Income-based divide
- Skills gaps
- Gaps on disruptive tech

Cybersecurity

- Cyber risks impacting all sectors
- Disruption of critical infrastructure, economic & reputational costs, data leaks, ...

Data protection

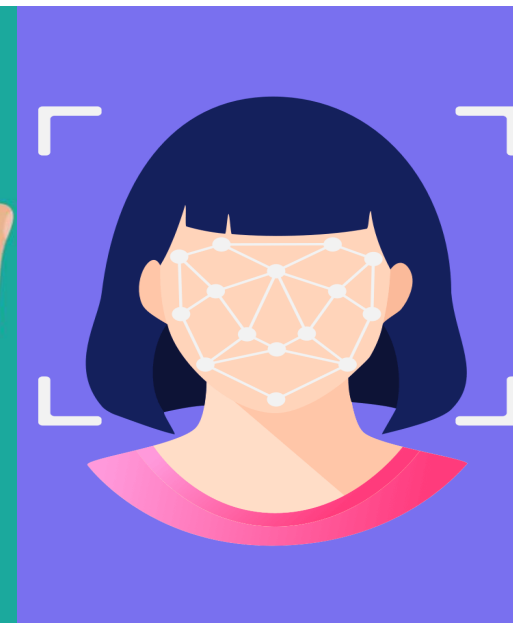
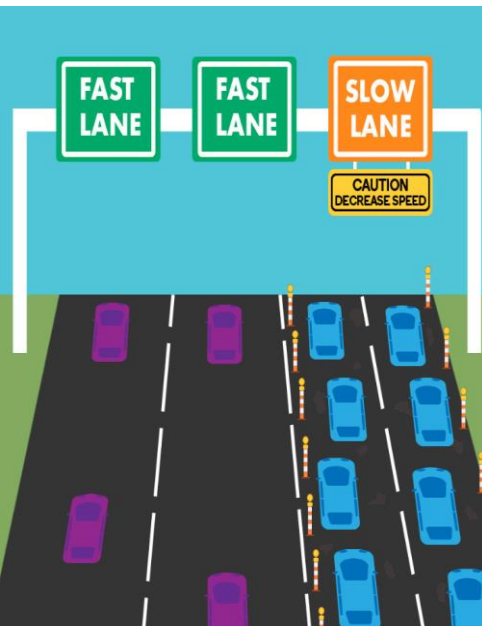
- Insufficient legal frameworks on data protection
- The WDR21 recommends not to build a trusted data governance

Market dynamics

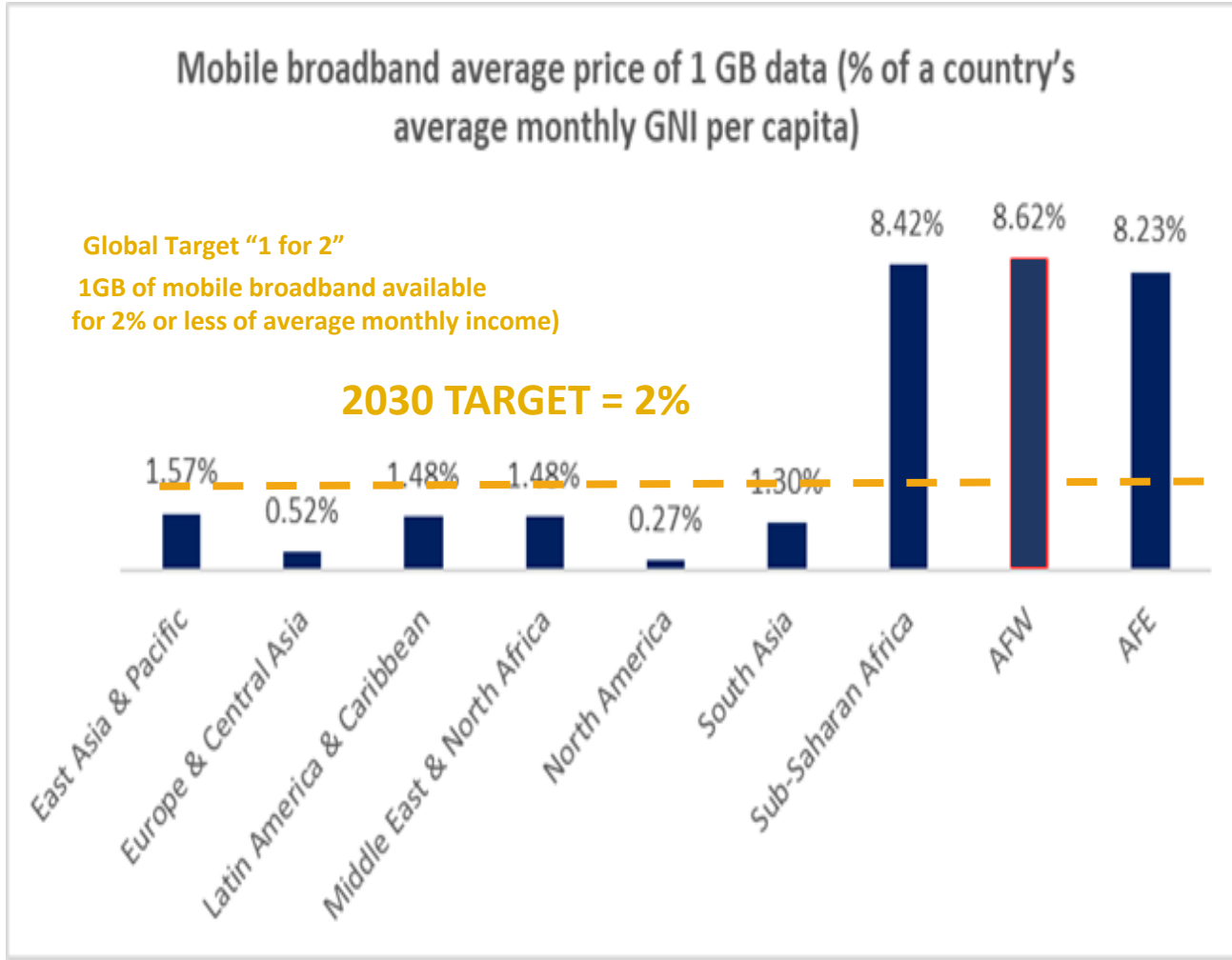
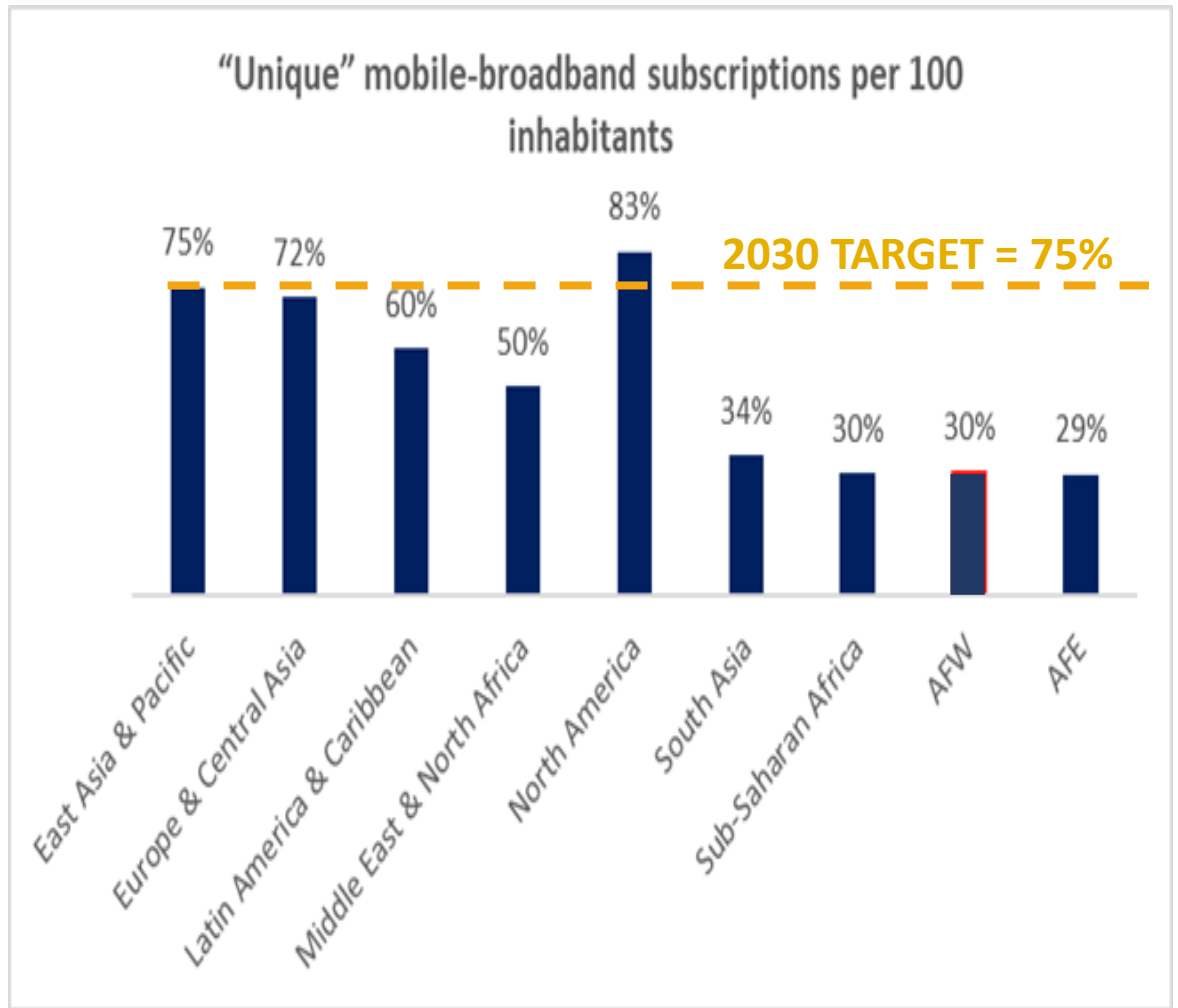
- Persistent and significant market power across digital markets can lead to problematic market outcomes

Rights and liberties

- Concerns regarding mass surveillance, disinformation, harassment, harmful content, Internet shutdown, algorithmic bias, ...



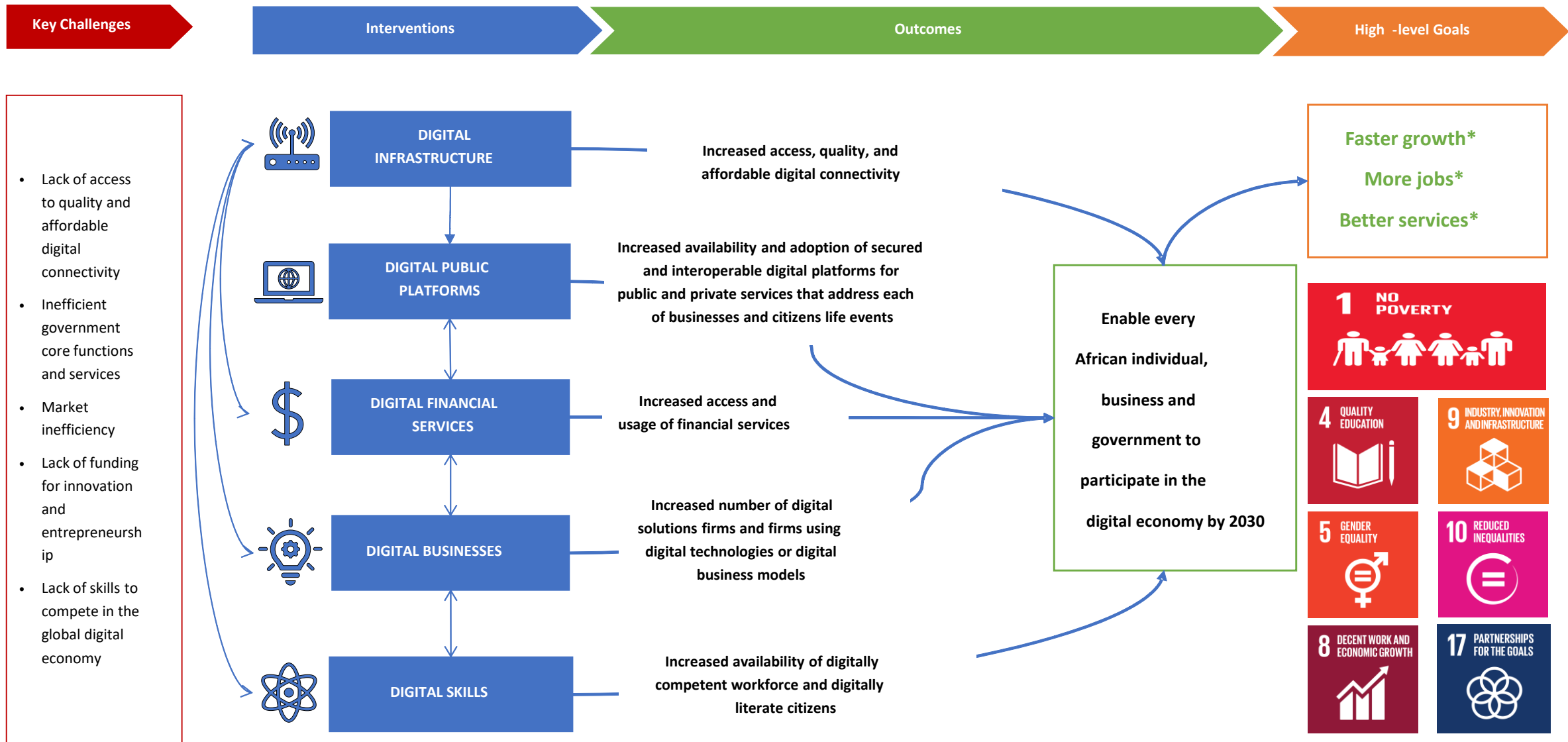
African gap towards affordable and quality broadband connectivity for all



Perimeter: number of **unique** mobile broadband capable subscribers divided by the total population
Source: WB estimates based on GSMA and UN Population

Perimeter: Average price of 1GB (% of monthly GNI)
Source: Cable.co.uk

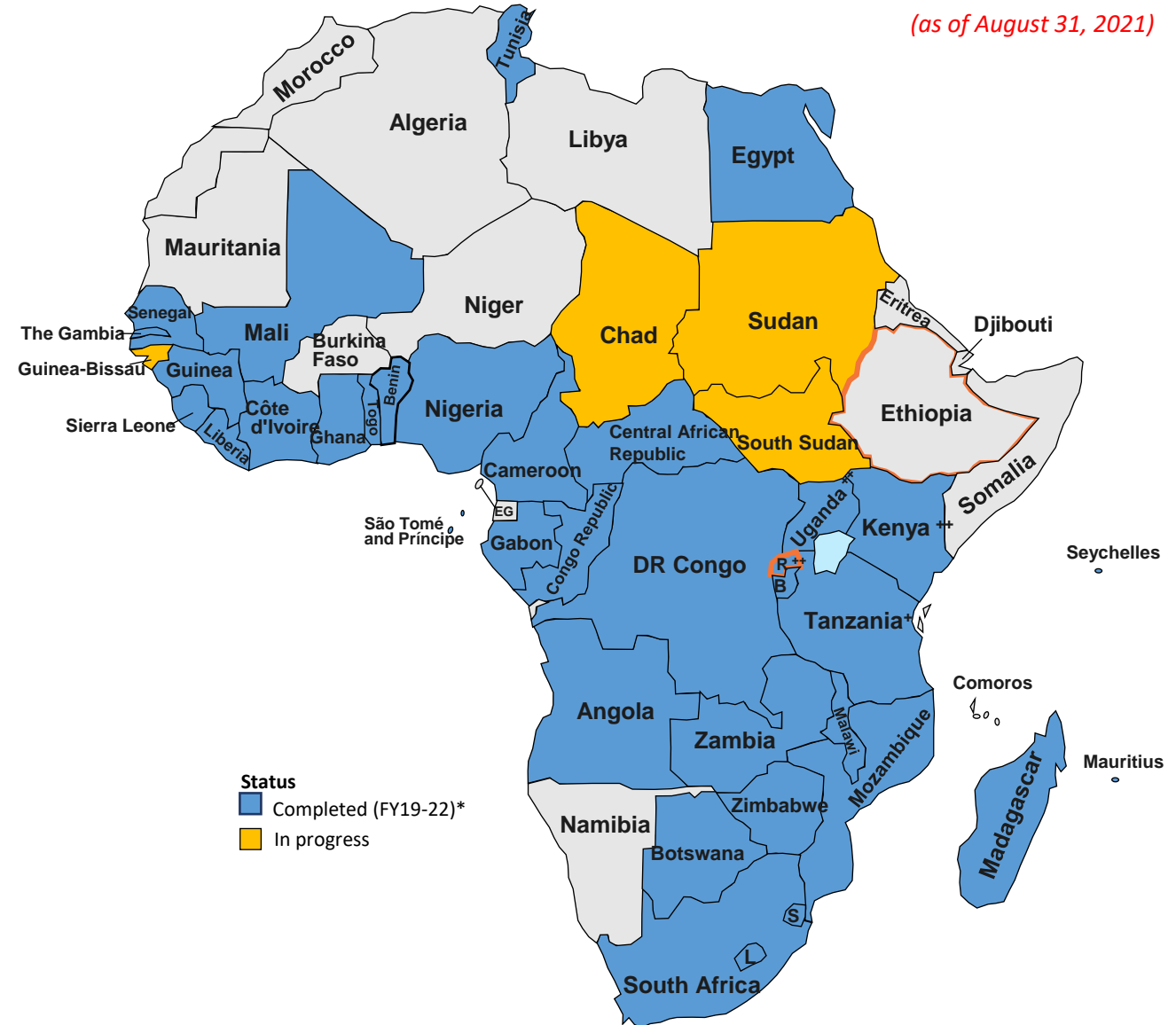
DE4A: an ecosystem approach in support of African Union goals



*Based on the analytical work of the World Development Report 2016

Digital Economy Country Diagnostics are available for most of the continent

- **DE4A provides a snapshot of the state of the digital economy** in a given country based on a standardized methodology focused on five key foundations of the digital economy.
- Objective is to **map the strengths and weaknesses of a country's digital economy** and identify **challenges and opportunities** for future growth, as well as the respective **roles of the public and private sectors** in addressing challenges.



Digital Economy for Africa implementation approach

Country DIGITAL TRANSFORMATION

360°
Digital Transformation
projects

Projects focusing on at
least one Digital
Transformation
foundation

Projects focusing on a
use case with some
digital component
included

Digital
economy
reforms in
national
DPO

Regional DIGITAL MARKET INTEGRATION

Single Digital Markets
projects

Projects focusing on at
least one Digital
Transformation
foundation

Projects focusing on
FCV regional “hot spots”

Digital
economy
reforms in
regional
DPO

Continental ALL AFRICA INITIATIVES

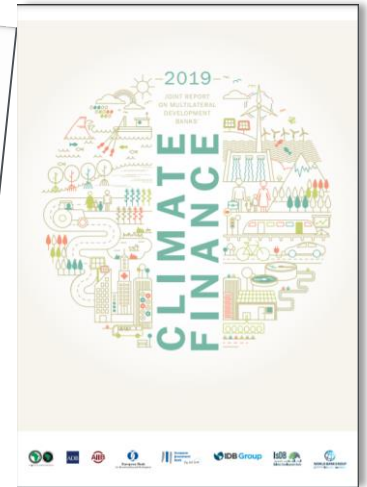
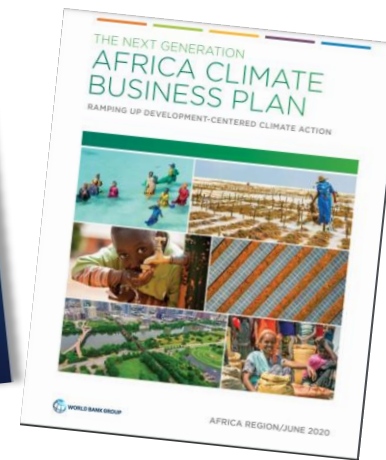
Projects in
Support to African
Union
Commission’s
Digital
Transformation
Strategy

GRID: an approach to converge competing needs

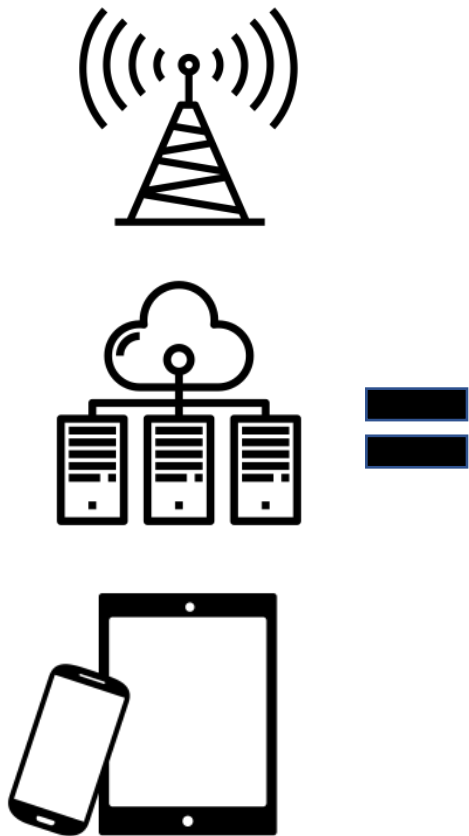
GRID FRAMEWORK



-  Create opportunities for the poor and vulnerable
-  Tackle poverty, inequality, and climate change simultaneously
-  Scale up interventions to match the urgency of the climate and COVID-19 crises
-  Address global challenges through international cooperation
-  Tailor to country needs and implement through country programs



Digital is part of the problem and solution



Problem: Emissions & environmental impact

A black circle with 'CO2' inside, surrounded by smaller black circles and clouds. To its right is a black recycling symbol consisting of three arrows forming a triangle.

Solution: Digital as a resilience and mitigation enabler

A black icon of a computer monitor displaying a house icon. To its right is a black icon of a lightning bolt striking a power plug.

Response

Greening ICT

Greening with ICT

What are we doing?

AGENDA

- Feeding digital perspectives into the wider climate change agenda

KNOWLEDGE

- Report on *Digital and Climate Change* (launched beginning of 2022)
- Forming partnerships to deepen knowledge base

METHODS

- Evolving tools and methodologies

OPERATIONS

- Working with client countries and projects to *Green ICT* and *Green with ICT*

DIGITAL ECONOMY FOR AFRICA

The World Bank Group

<https://www.worldbank.org/en/programs/all-africa-digital-transformation>

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