



# Unlocking digital transformation for All:

## Opportunities and Risks

April 23<sup>rd</sup>, 2021



**United Nations**

Department of  
Economic and  
Social Affairs



**GRC**  
Seoul National University

**Governance  
Capacity  
Development  
Session Series**

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# Outline



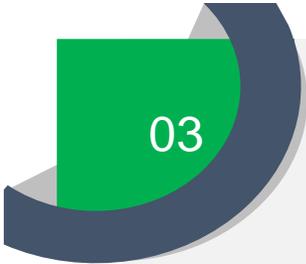
01

Digital Transformation Opportunities



02

Managing the Risks

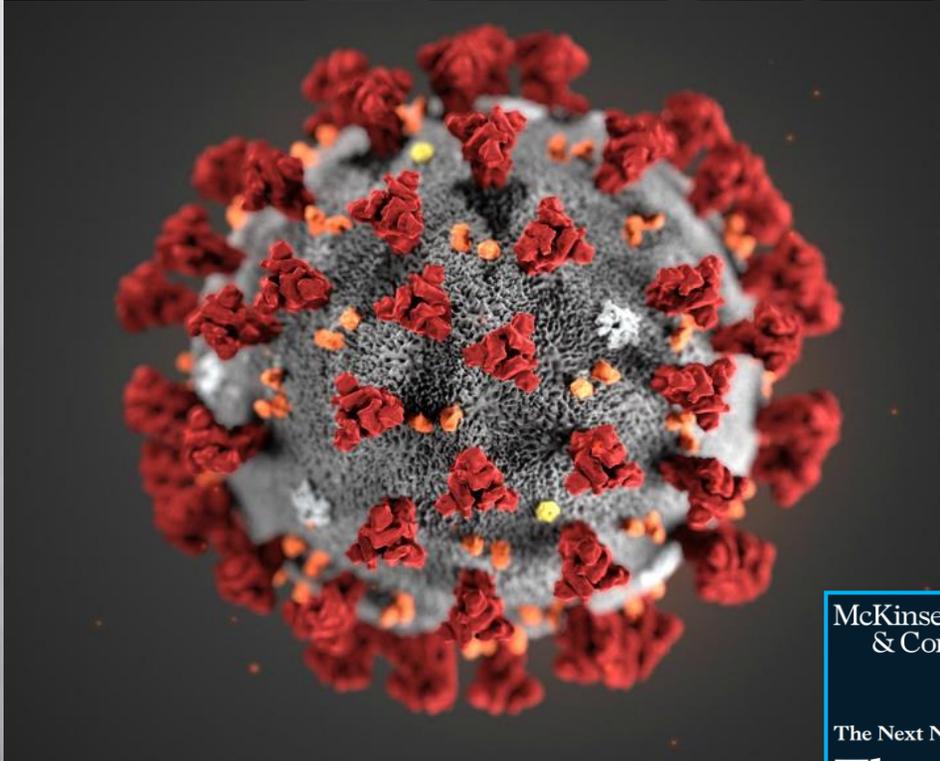


03

The Way Forward

# Global Race on Disruptive Technologies

5G  
IOT  
AI



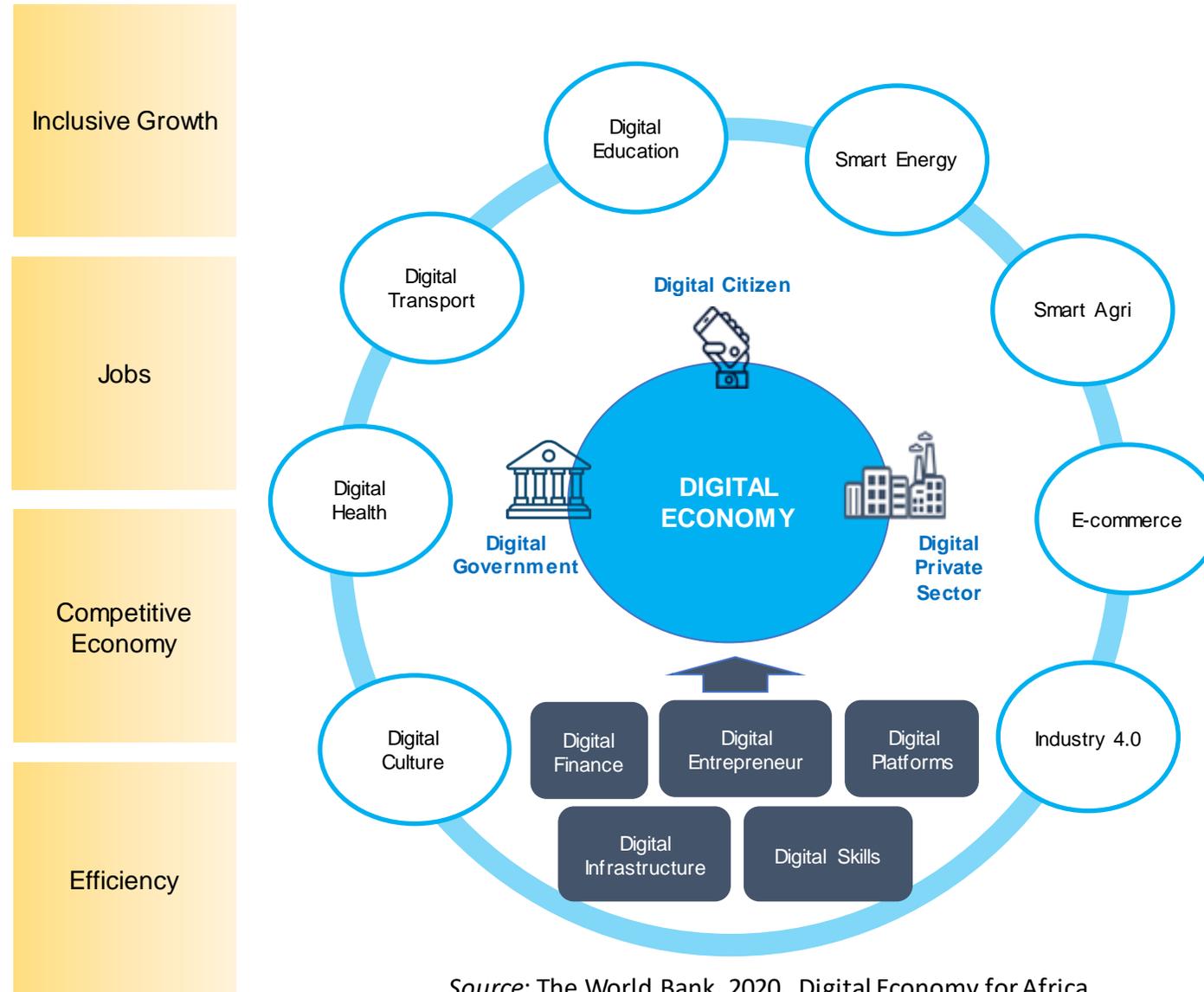
McKinsey  
& Company

The Next Normal

**The recovery will  
be digital**

COVID-19 crisis highlighted the critical role that digital plays and accelerated digital transformation

# Digital transformation is a development priority supporting all sectors



Source: The World Bank, 2020. Digital Economy for Africa

# The key challenges of digital divides to unlock new opportunities



Half of population remains  
**un-CONNECTED**



Different readiness level for the  
**DATA**-driven economy



**1 billion people around the world**  
lack a foundational **digital ID**



Persisting **GENDER** digital  
divide



Uneven distribution of  
digital **SKILLS**



Global race on disruptive  
Technologies **ADOPTION & USE**

# Outline

01

Digital Development Approach

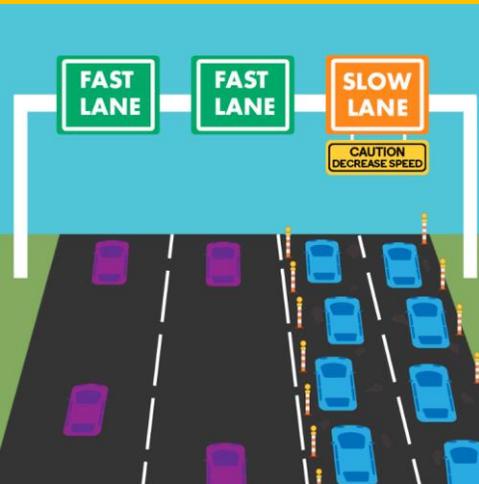
02

**Managing the Risks**

03

Modalities of Implementation

# Managing the risks



**Risks of exclusion**



**Cybersecurity**



**Data protection**



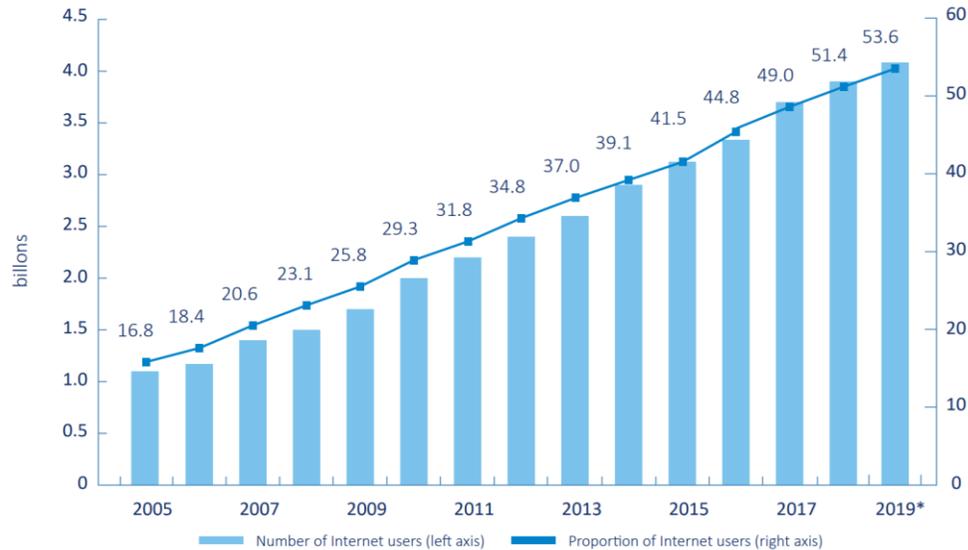
**Competitive Market**



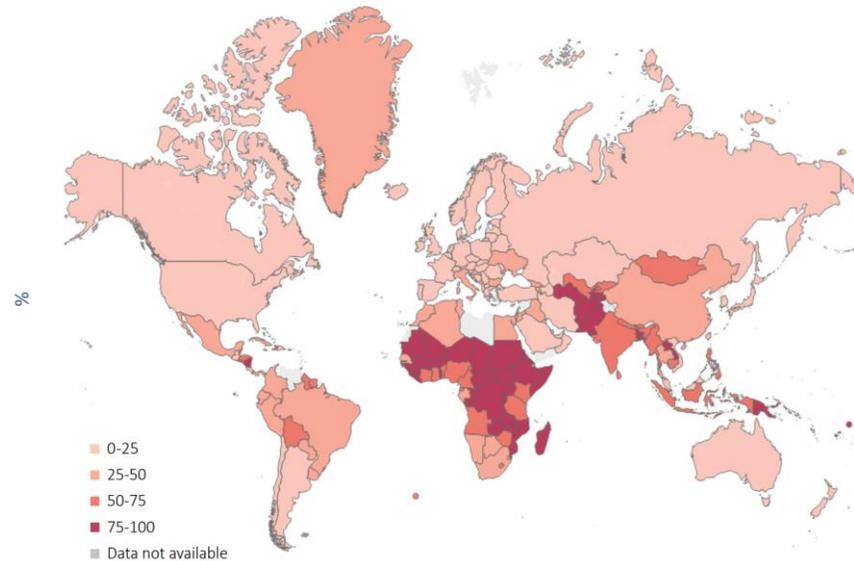
**Rights**

# The world is more connected but developing nations are lagging behind

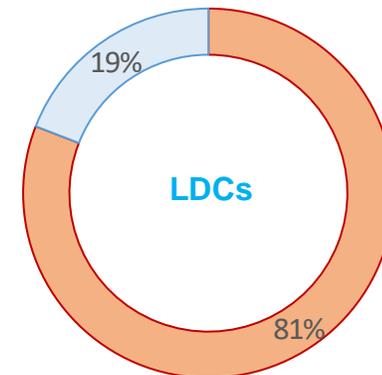
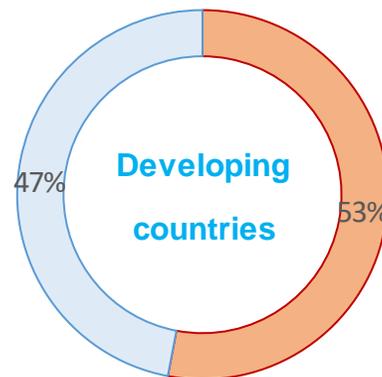
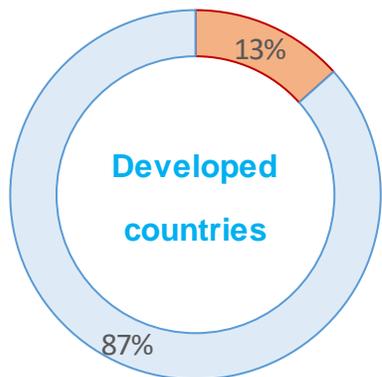
Today, more than half of the world's population is using the Internet, compared to 16,8% in 2005...



... but most of the remaining unconnected lives in the least developed countries (LDCs).



Unconnected Connected



Operations

Most of WBG operations have connectivity component focused on inclusion.



Knowledge

Report on innovative business models for closing the access gaps.



Partnership

Involvement in the UN Broadband Commission and joint roadmap on developing countries' connectivity challenge.

# Cybersecurity in today's digital environment

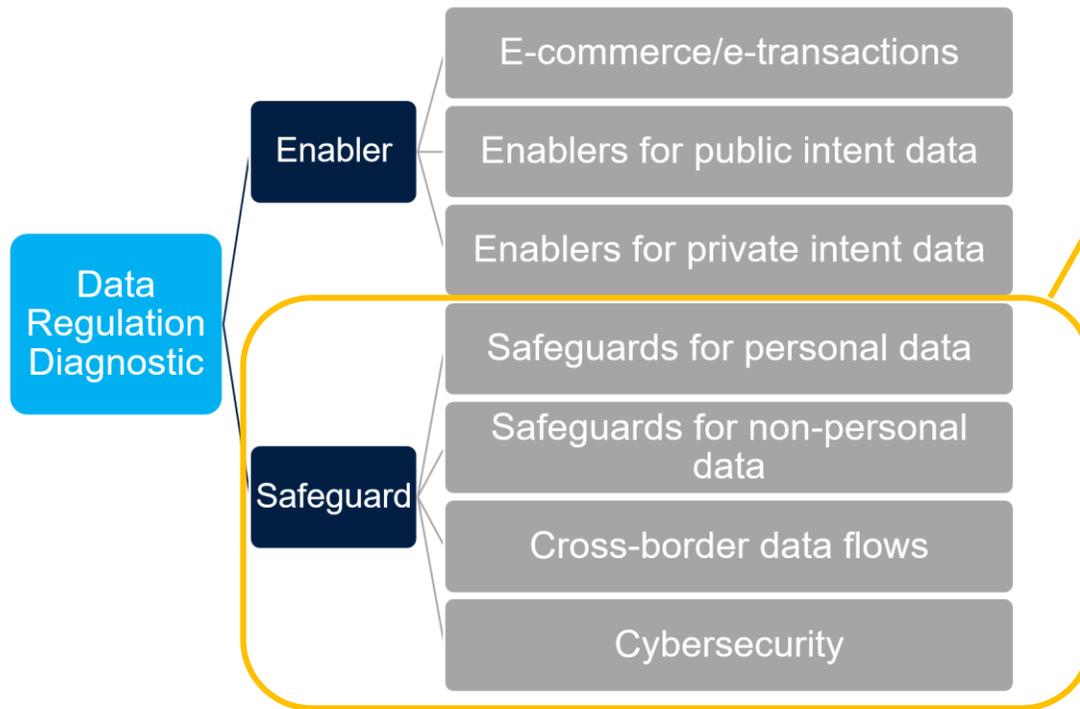
**Cybersecurity is a global public good, as viruses and malware – much like human health related viruses – spread globally and put at risk the digital space worldwide.**

- Analysts have suggested 10–15% internet penetration as the threshold level for significant hacking activities, and low- and middle-income countries have exceeded this range, creating a significant need for cybersecurity.
  - Globally, from 2019–2023, approximately \$5.2 trillion in global value will be at risk from cyberattacks,
  - 10.5 million records are lost or stolen every month.
- **Cybercrime targets not only all countries, but also cuts across all industries and sectors**, directly threatening other core development areas in low- and middle-income countries like transport, communications, banking, and utilities.
- **Developing countries are particularly at risk**. Africa has been among the fastest-growing regions in terms of cybercrime activities with the World Economic Forum declaring cybercrime as one of the greatest threats of 2019 in Africa. Losses from in 2018 are estimated at \$3.5 billion in losses overall in Africa. Only 20% of African states currently have the basic legal frameworks in place for countering cybercrime.
- **COVID-19 has exposed cybersecurity weaknesses**. Cyber attacks has now increased significantly, targeting people, governments, and businesses in all sectors in low- and medium-income countries. Cyber attacks against the healthcare sector are up 150% since Jan. 2020.

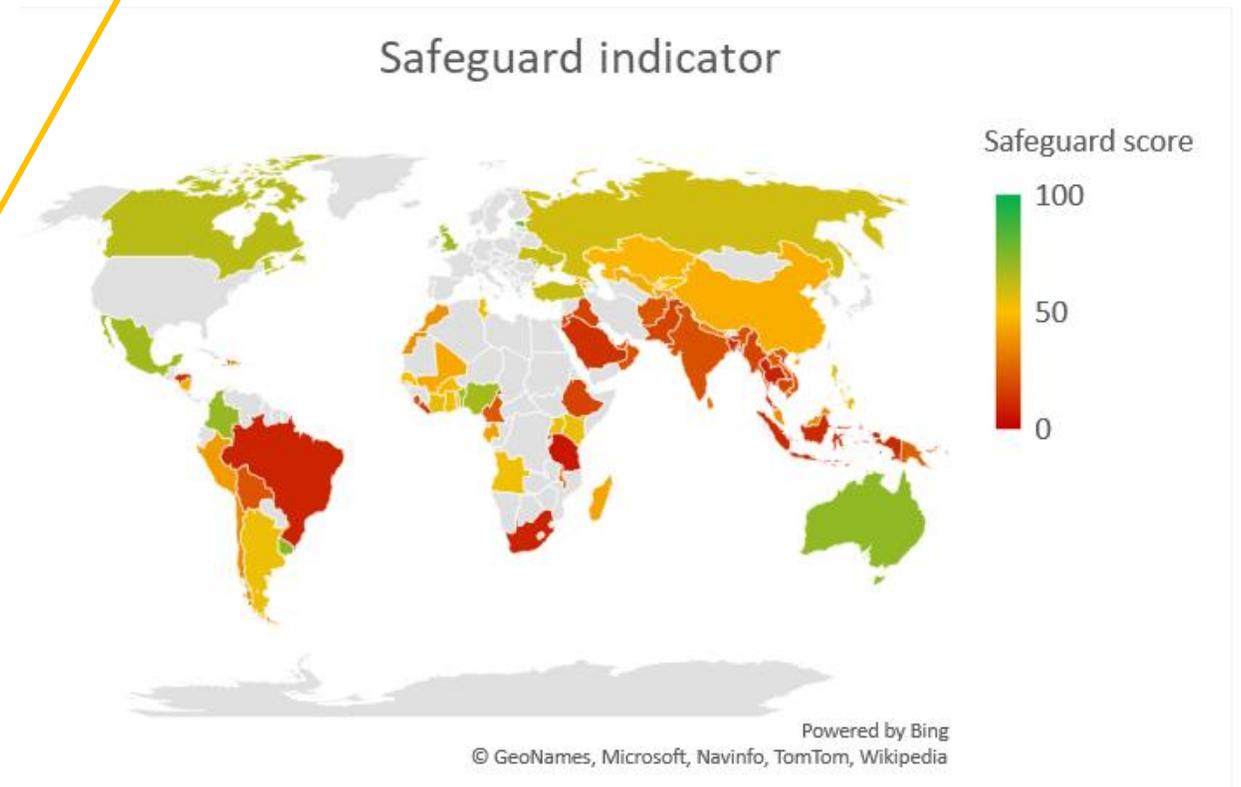


# The WDR 2021 “Data for Better Lives” call for a strong push for data protection in developing countries

## Good data regulation diagnostic components of the Global Data Regulation Survey



Across 80 countries surveyed, less than 40% of the elements of a good-practice regulatory safeguards



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**The Way Forward**

# Accelerating Digital Cooperation to Build Back Better and achieve SDGs



## WORLD BANK cooperation with



## REGIONAL PARTNERS

- AU
- Smart Africa
- RECs
- ASEAN
- Arab League



## DIGITAL DEVELOPMENT PARTNERSHIP



## Partnership with Korea



National Strategy for a Great Transformation  
**KOREAN NEW DEAL**



## REGULATORS

- Key policy reforms
- Policy harmonization
- Analytical work

## PRIVATE SECTOR

- Roundtable with Industry
- Silicon Valley
- Engagement Strategy

## CIVIL SOCIETY

- Academia and think tanks
- Youth consultations
- Leveraging the potential of the diaspora



# Thank You

For Further Discussion:



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