

Unlocking digital transformation for All:

Opportunities and Risks

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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

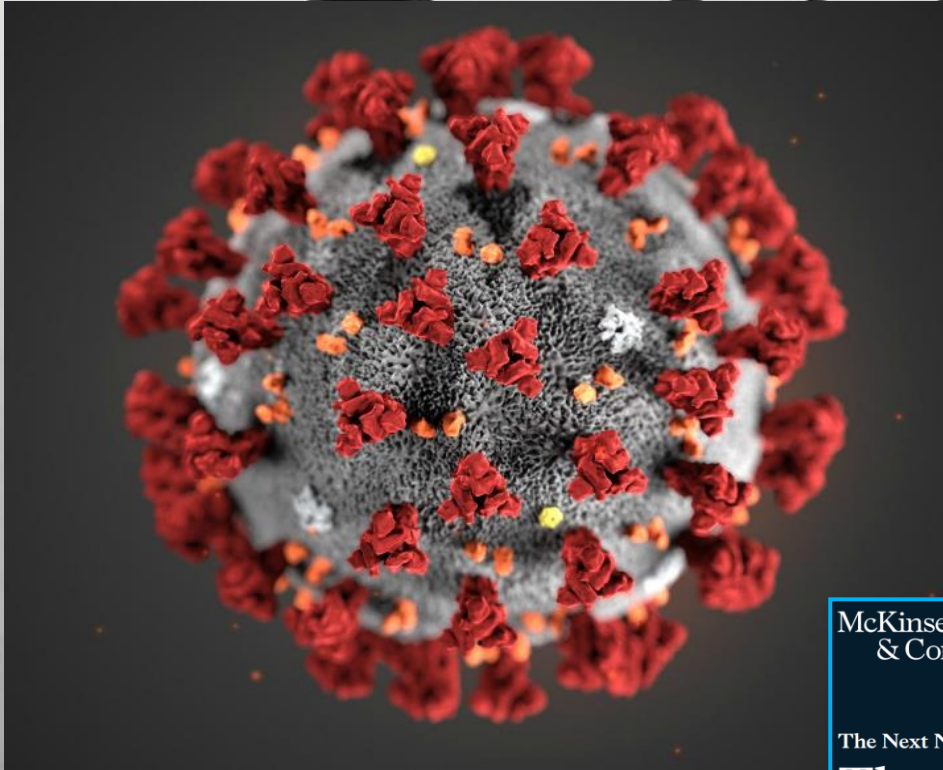
Managing the Risks

03

The Way Forward

Global Race on Disruptive Technologies

5G
IOT
AI



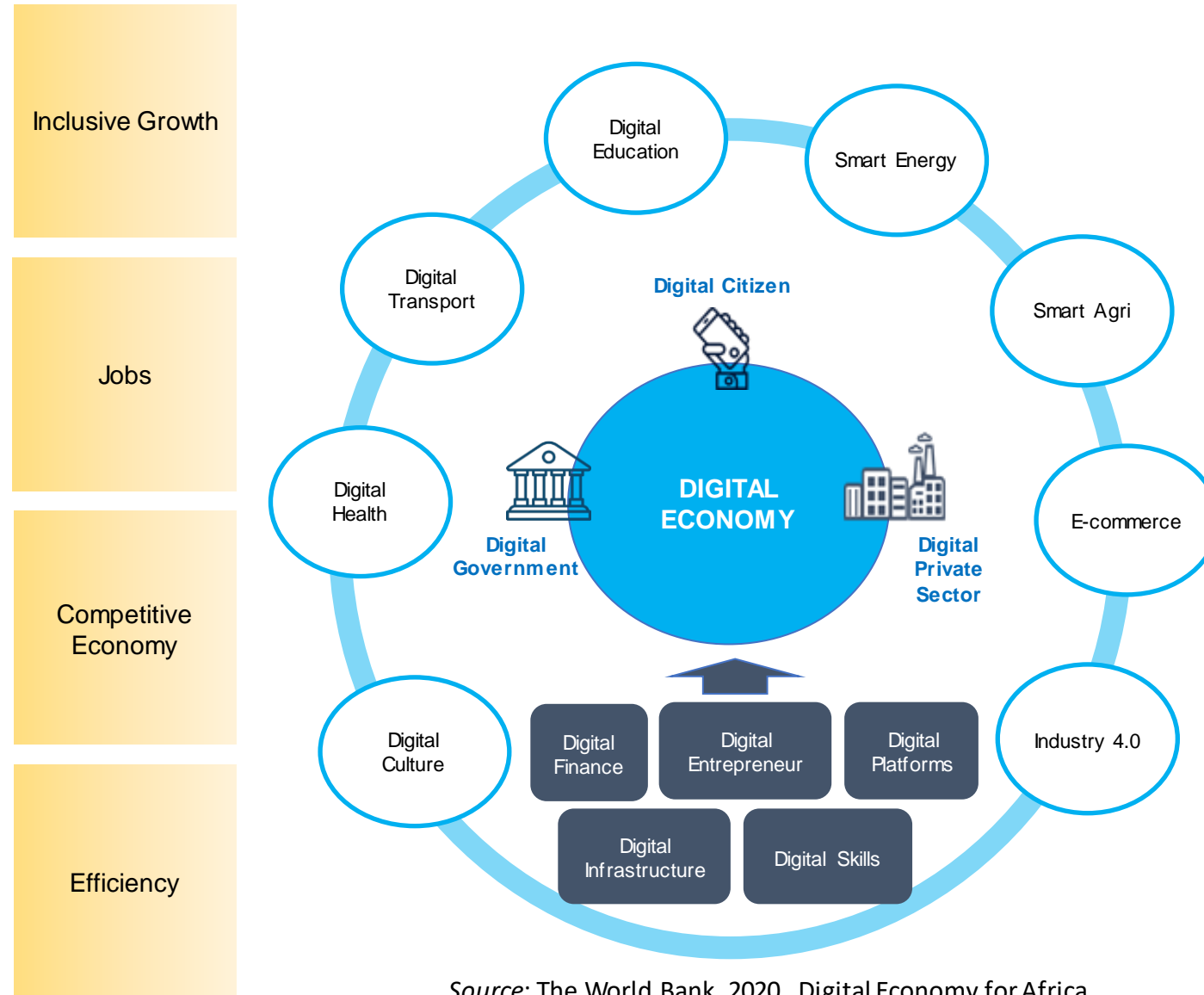
McKinsey
& Company

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**

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Digital Development Approach

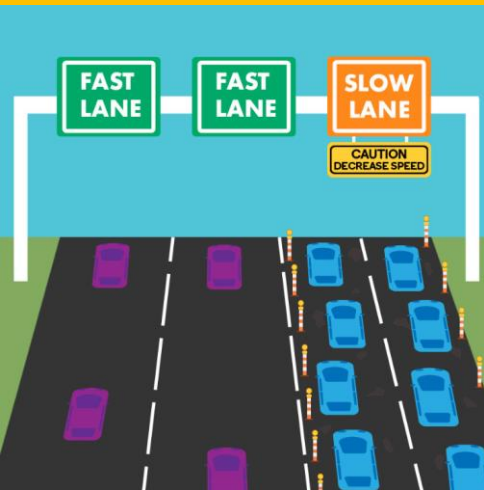
02

Managing the Risks

03

Modalities of Implementation

Managing the risks



Risks of exclusion



Cybersecurity



Data protection



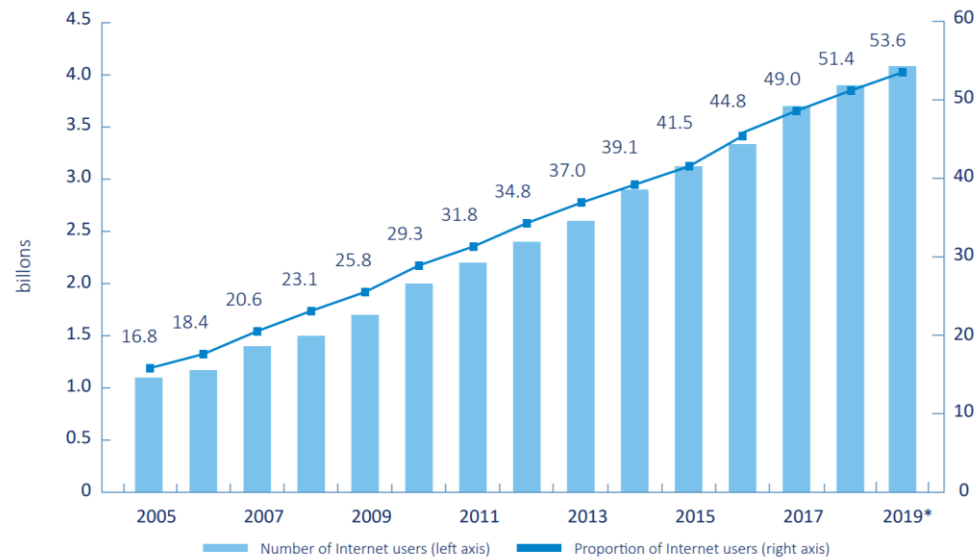
Competitive Market



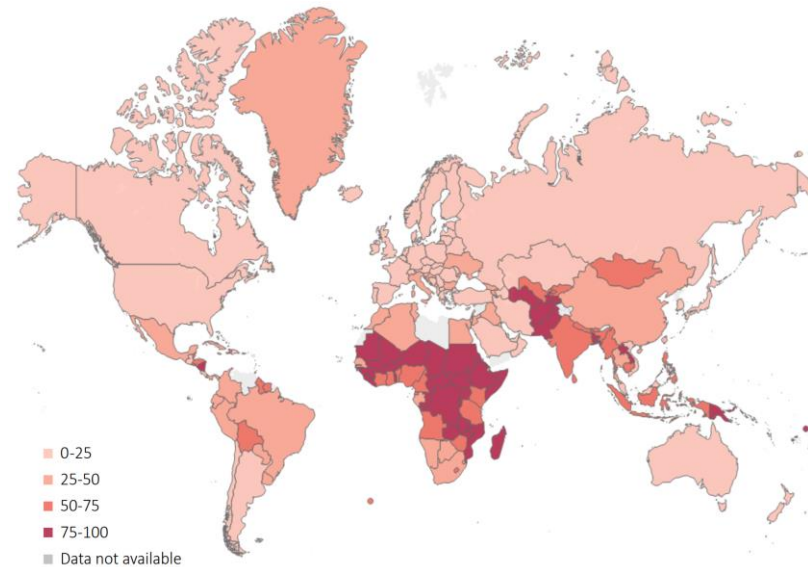
Rights

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).



Operations

Most of WBG operations have connectivity component focused on inclusion.



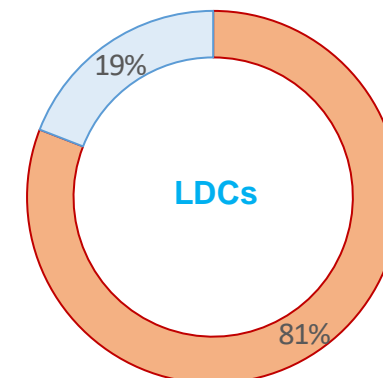
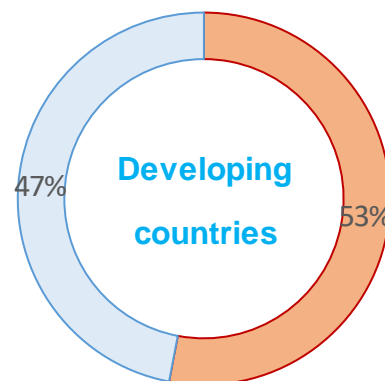
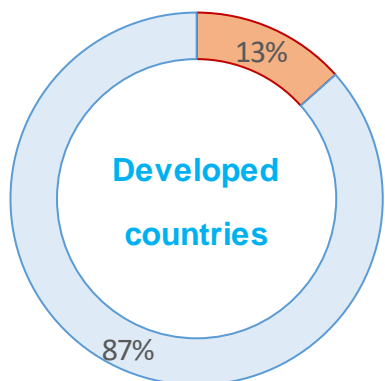
Knowledge

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

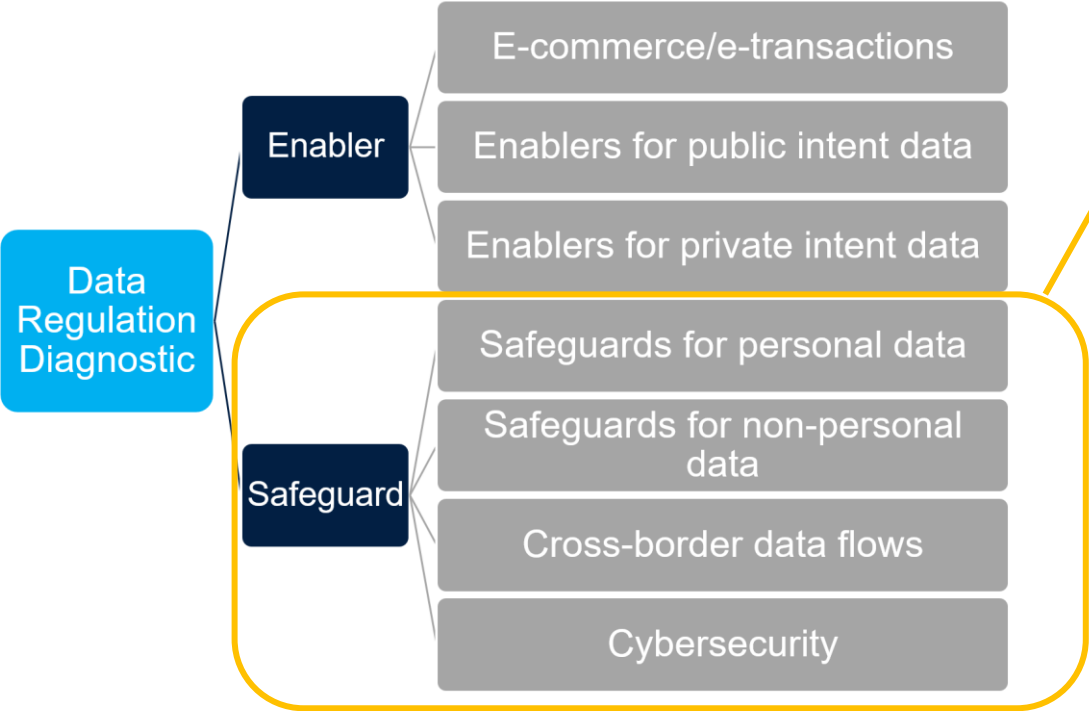
Cybersecurity is a global public good, as viruses and malware – much like human health related viruses – spread globally and put at risk the digital space worldwide.

- 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.

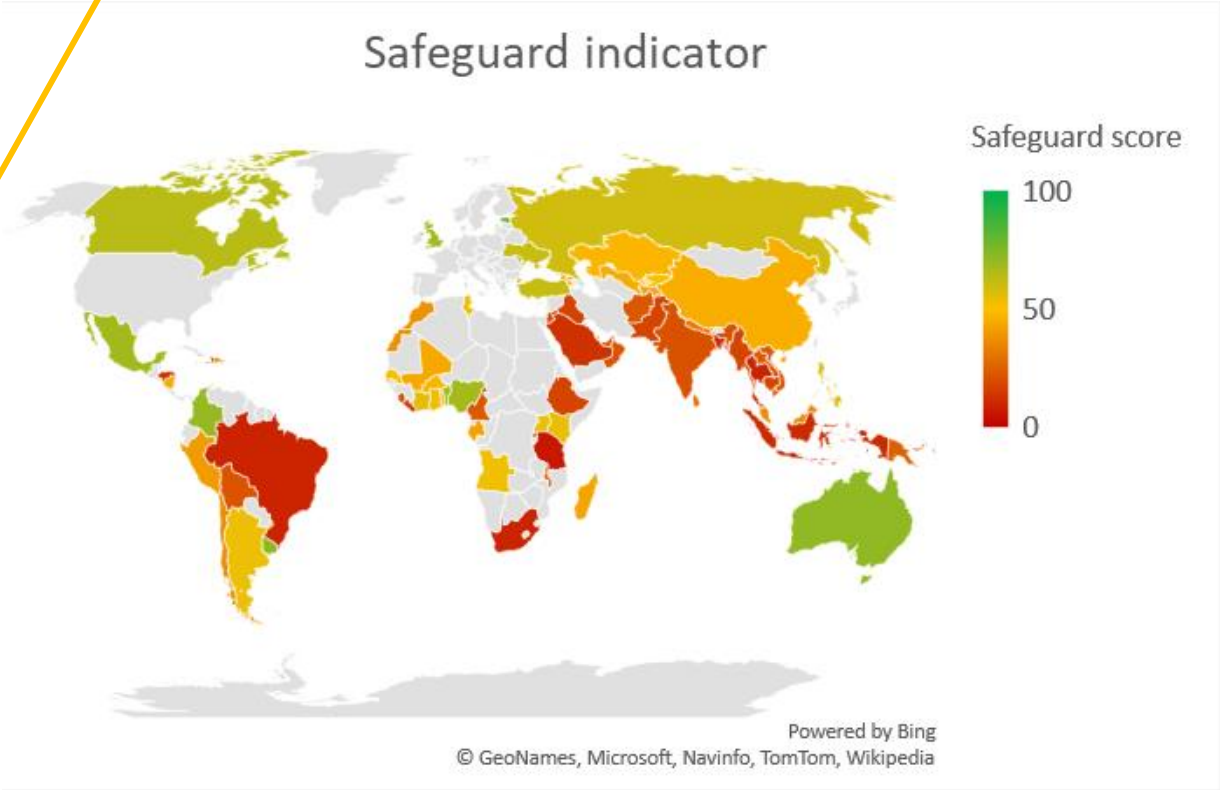


The WDR 2021 “Data for Better Lives” call for a strong push for data protection in developing countries

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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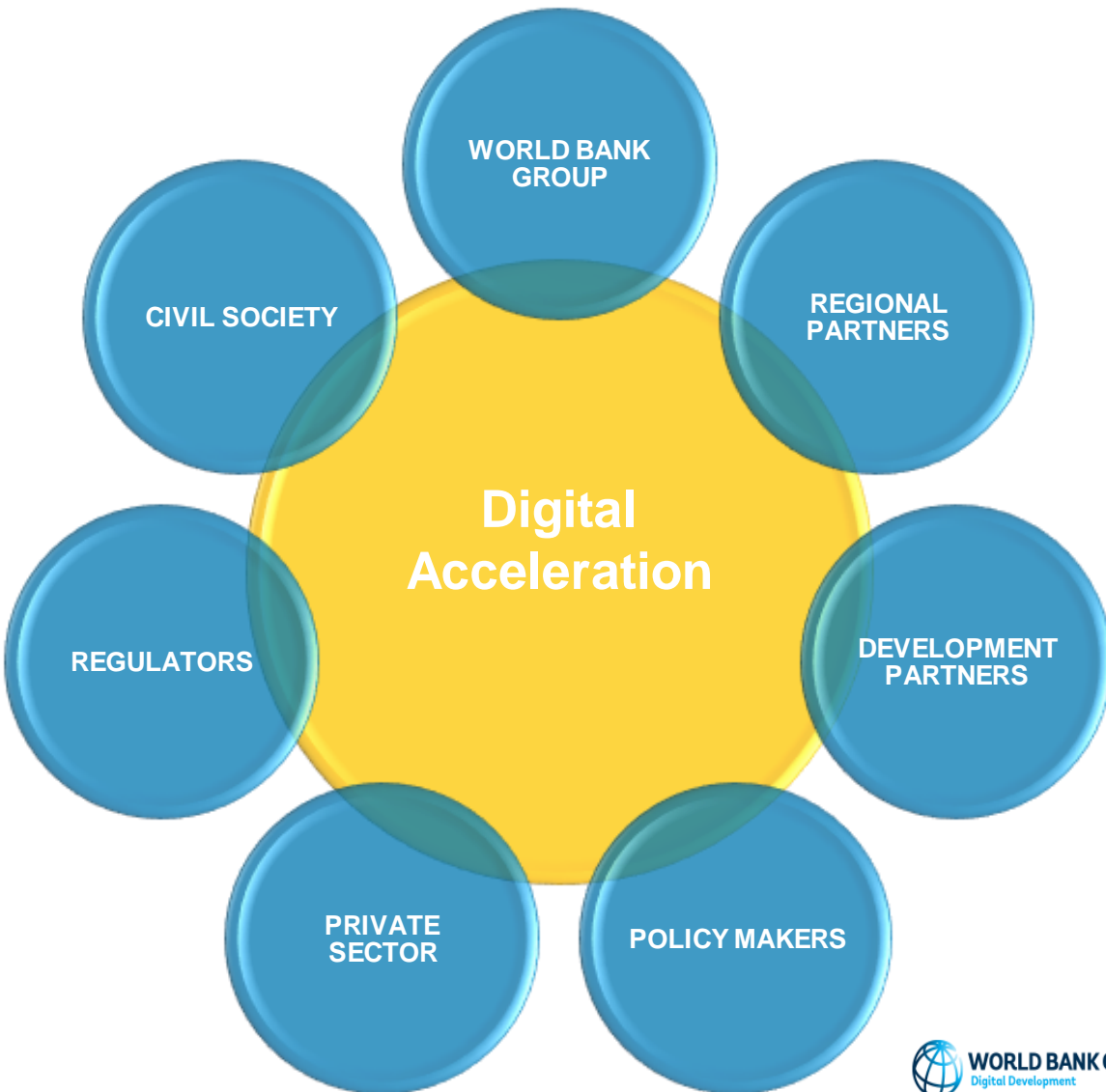
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The Way Forward

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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