



KIKAO CHA BRELA NA WADAU WAKE

KUSHAMILI KWA BIASHARA MTANDAO NA UCHUMI WA KIDIJITALI: FURSA NA CHANGAMOTO

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27 Oktoba 2023



MAPINDUZI YA NNE YA VIWANDA



Technology

- Robotics deals with the design, construction, operation and its Replacing humans on assembly line.
- 3D Printing is any of various processes in which material is joined or solidified under computer control to create a three-dimensional object, the manufacturing customized components
- Big Data – Collecting performance parameters, used to refer to data sets that are too large or complex for traditional data-processing application, analytics – Understanding collected data



People

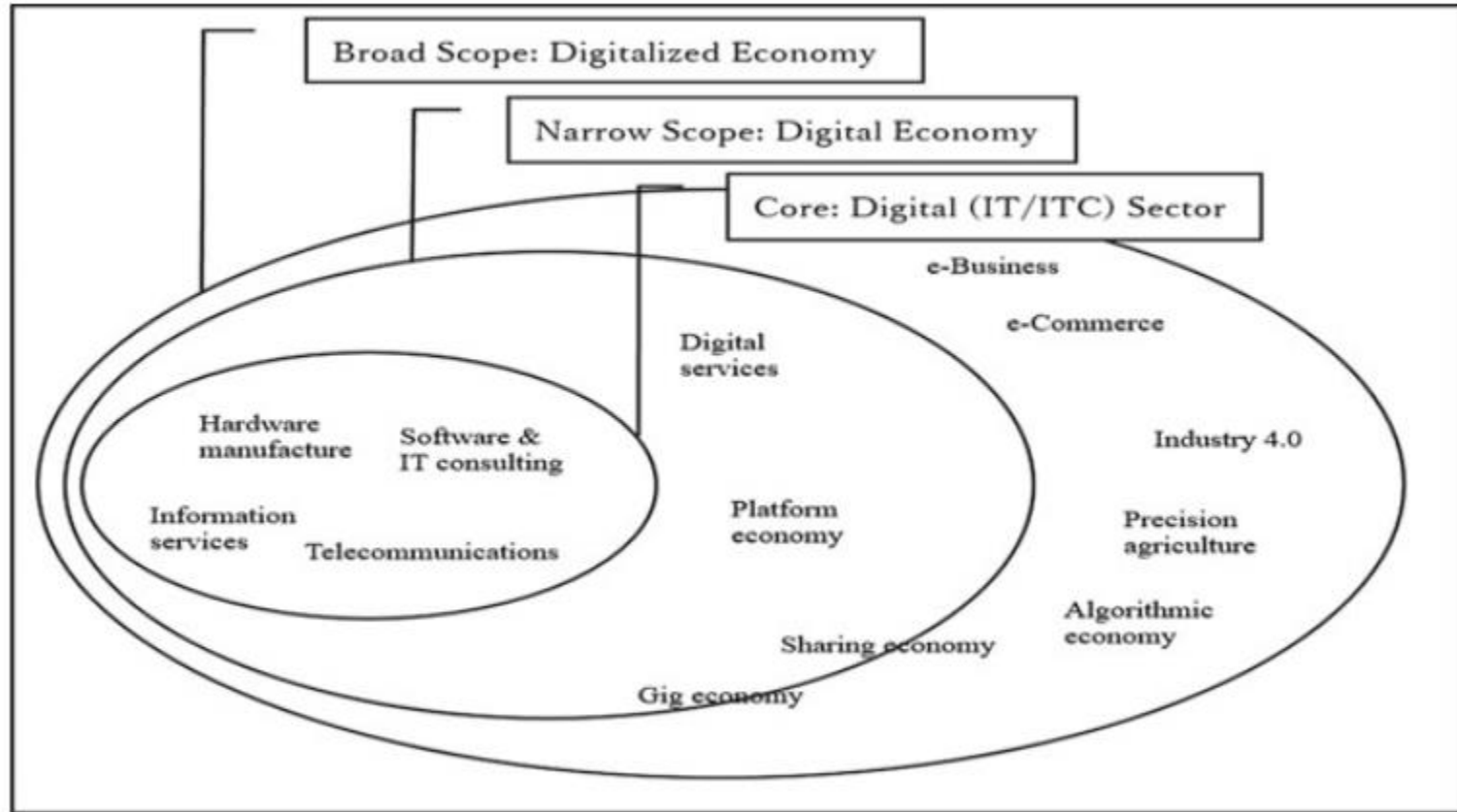
- Increased efficiency – Reduction in labor per unit
- Skill Development – Up-skilling, Re-skilling, Continuous learning & Mindset change
- Only to handle disruptions – Monitoring and corrective actions



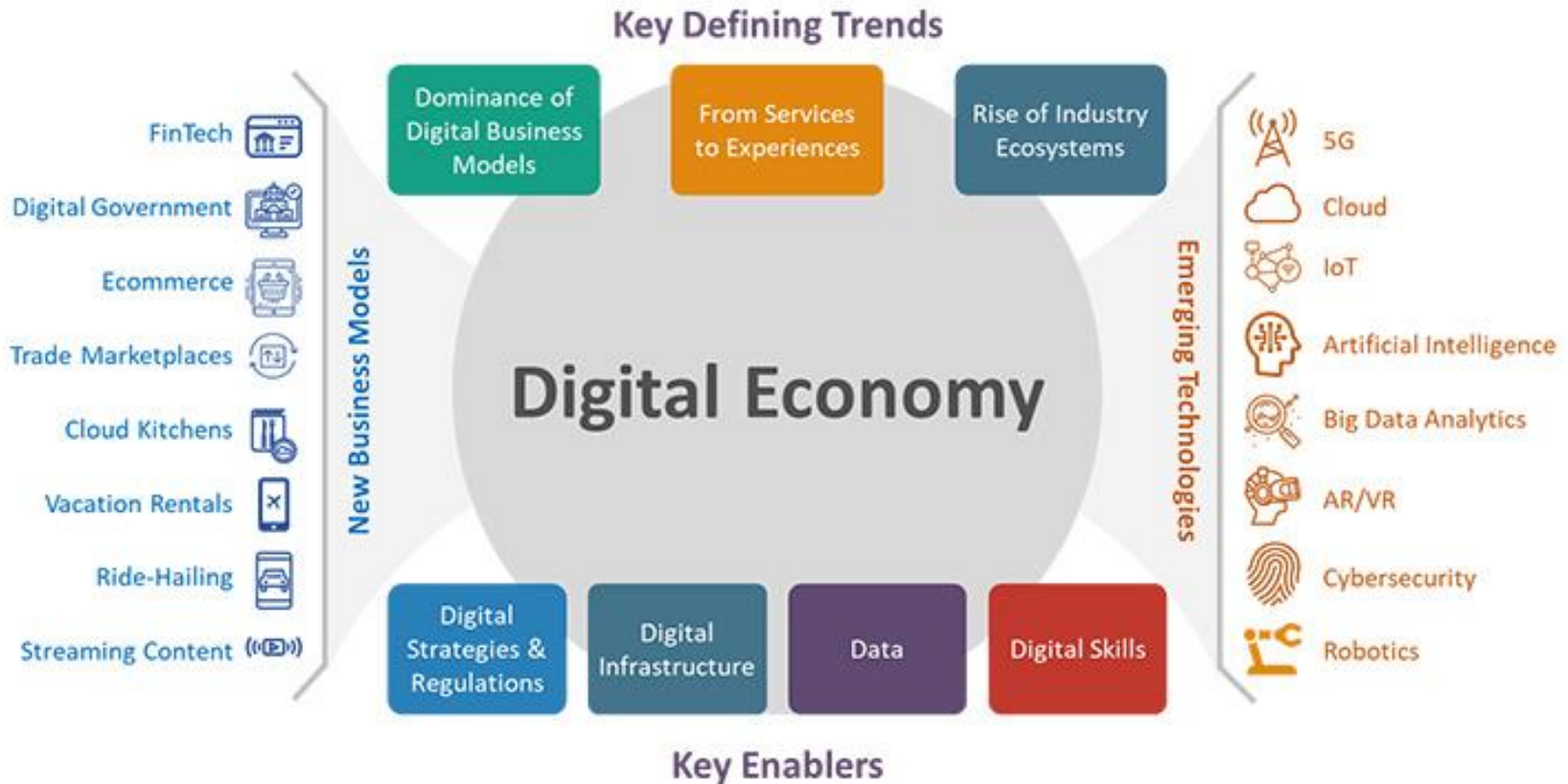
Process

- Constant communication – Data exchange between components
- Decentralized decision making any process where the decision-making authority is distributed throughout a larger group
- Standardization – Ease of customization
- Smart Transport System - Automated transportation of raw material for final products

UCHUMI WA KIDIJITALI

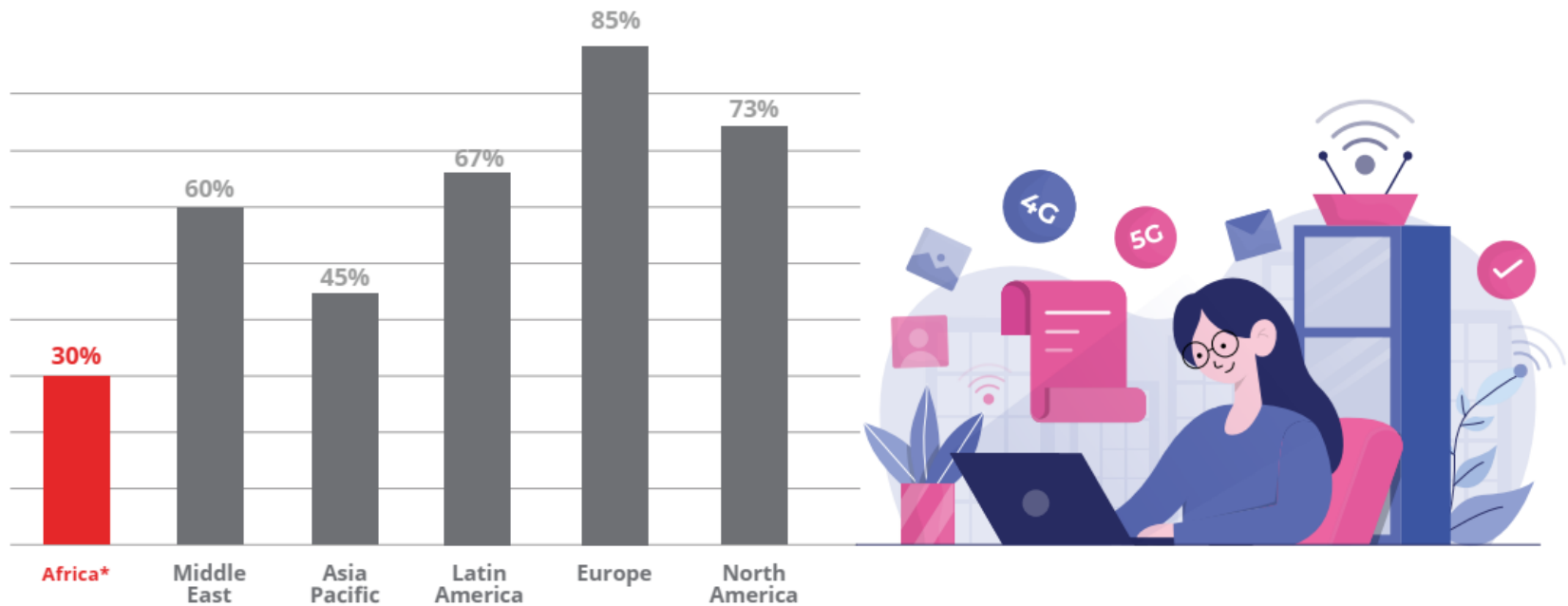


UCHUMI WA KIDIJITALI



INTERNET PENETRATION IN AFRICA

Internet penetration as % of population in 2018



Source: World Bank, GSMA, BCG Analysis

*Excluding North Africa

INTERNET SUBSCRIPTION IN TANZANIA

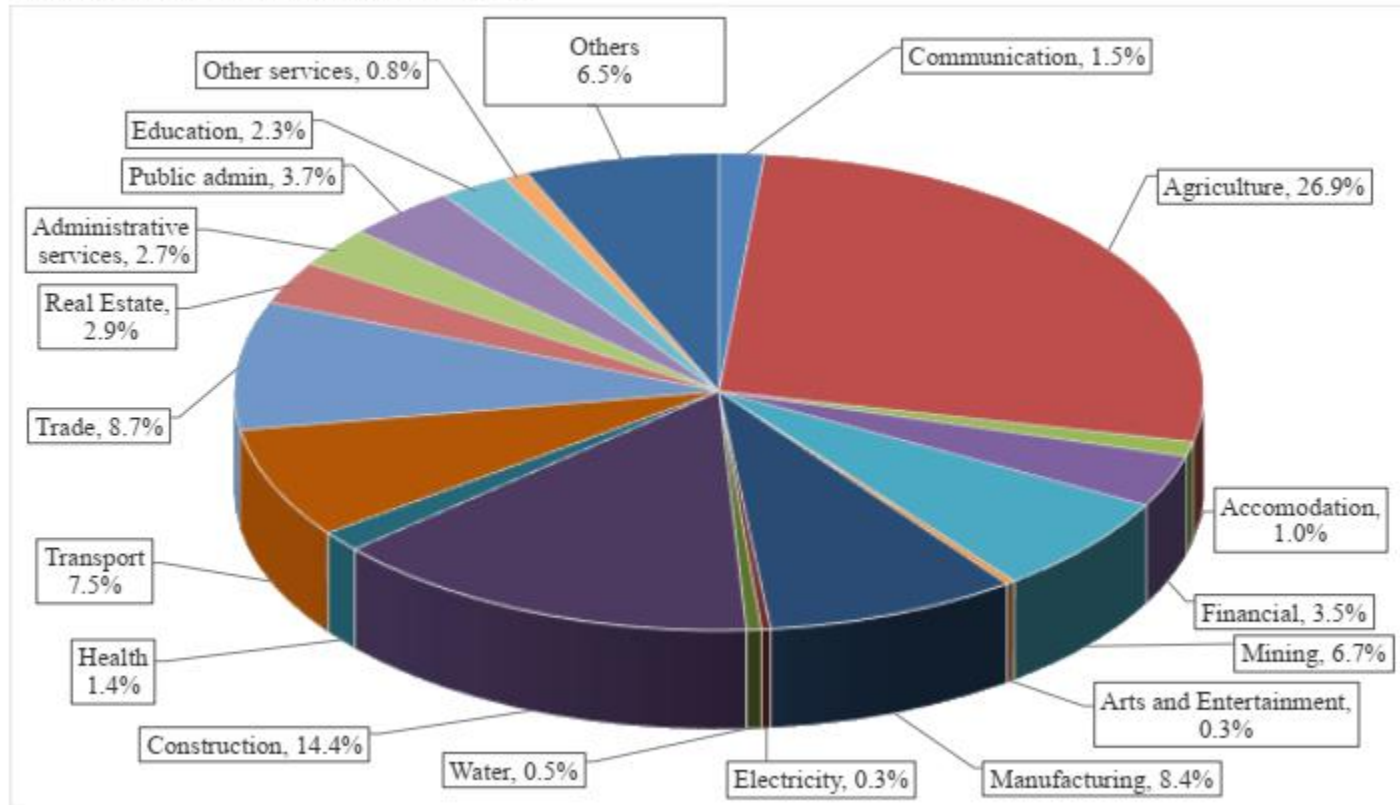
- TCRA indicate that in **September 2023** the number of internet subscriptions reached **34.5 M** .

TAKWIMU MUHIMU ZA TANZANIA

- 3G Coverage - 83 % of population
- 4G Coverage - 74 % of population
- Tax to GDP ration - 12%
- Contribution of ICT to National GDP – 1.5%
- Mobile Connections - 79% penetration
- Rural Population - 65% of total
- Mobile Broadband Connections - 31 % penetration
- Population - 61 millions

UCHANGIAJI WA SEKTA MBALIMBALI KWENYE PATO LA TAIFA

Chart 1.2: Sectoral Share to GDP



CHANGAMOTO YA KUPIMA UCHANGIAJI WA UCHUMI WA KIDIJITALI KWENYE PATO LA TAIFA

**KWA SASA UCHANGIAJI UNAPIMWA NA SEKTA YA
MAWASILIANO AMBAYO NI 1.5% YA PATO LA TAIFA**

CHANGAMOTO YA KUSAJILI NA UTOAJI WA LESENI KWA KAMPUNI ZA KIDIJITI KWENYE UCHUMI WA KIDIJITALI (SHARING ECONOMY)

- The challenge of registration and licensing of platform companies with digital business model e.g. Uber, AirBnB, etc

UCHANGIAJI WA UCHUMI WA KIDIJITALI KWENYE CHUMI MBALIMBALI

- ICT contributed **10% of the USA's GDP** which amount to **2.1 Trillion USD** in 2018 that employ 6 million direct jobs, which accounted for **4% of U.S. jobs.**
- Digital sector contributed **£149 billion** to the UK in 2018, accounting for **7.7 per cent of the UK economy.** The digital sector accounts for 4.5% of all UK jobs.
- In 2019, the ICT sector's real contribution to GDP in **South Korea reached 10.8%**

HATUA KUFIKIA MAPINDUZI YA KIDIJITALI

1. HATUA YA KWANZA: KIDIJITI

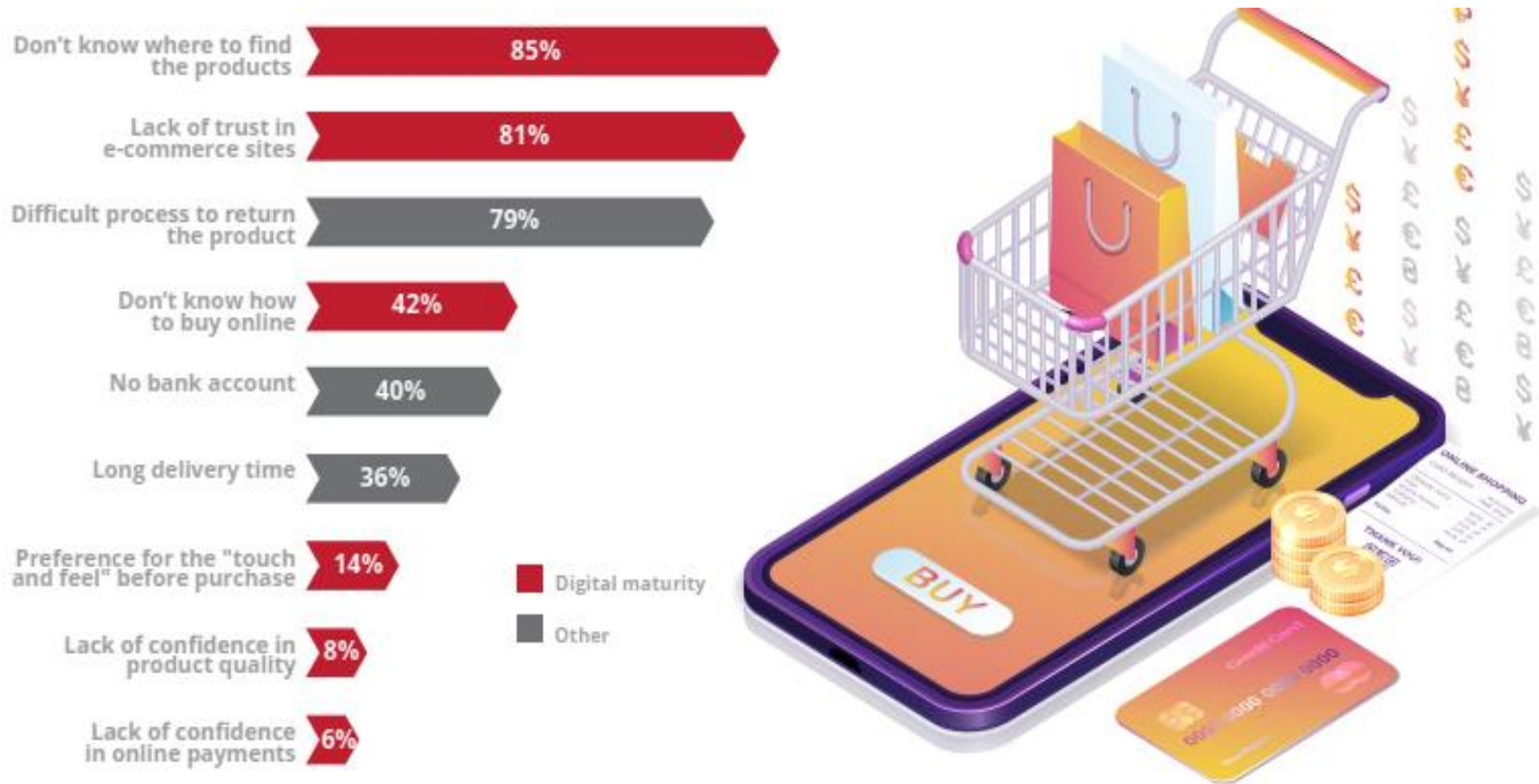
2. HATUA YA PILI: KIDIJITALI

3. HATUA YA MWISHO: MAPINDUZI YA KIDIJITALI

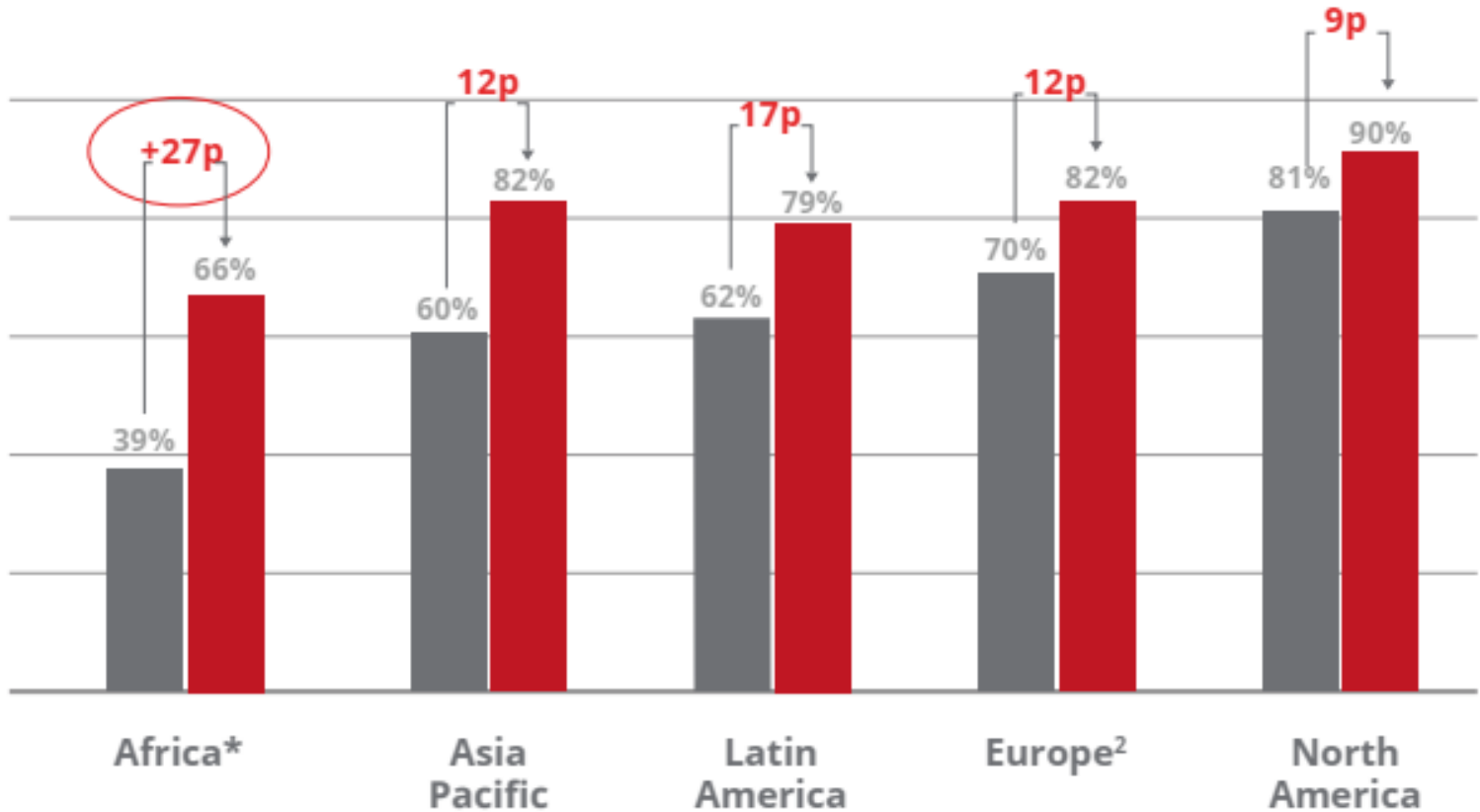
NGUZO ZA MAPINDUZI YA KIDIJITALI

- 1. UWEZO WA KIDIJITALI (DIGITAL SKILLS)**
- 2. USALAMA WA KIDIJITALI (DIGITAL SECURITY AND TRUST)**
- 3. MAWASILIANO YA HUDUMA ZA KIDIJITALI (DIGITAL TELECOMMUNICATION SERVICES)**
- 4. UCHUMI WA KIDIJITALI (DIGITAL ECONOMY)**
- 5. UTAFITI NA UJASILIAMALI WA KIDIJITALI (DIGITAL RESEARCH AND ENTREPRENEURSHIP)**

SABABU ZA MSINGI ZA KUTONUNUA KWA KUTUMIA MITANDAONI



MATUMIZI YA SIMU JANJA AFRICA 2018 - 2025



1. 2017-2025 for Europe, Latin America, Middle East and North Africa

NUMBER OF SMARTPHONES IN TANZANIA

- TCRA indicate that in **September 2023** the number of smartphones reached **18.96 M.**

HITIMISHO ILI KUFIKIA KWA HARAKA MAPINDUZI YA KIDIJITALI BRELA IWEKE MAHITAJI KWA KAMPUNI WAKATI WA KIJUSAJIRI NA KUOMBA LESENI

- 1. MIFUMO IZUNGUMZE (INTEROPERABILITY OF SYSTEMS)**
- 2. KAMPUNI ZOTE NDOGO NA ZA KATI ZITUMIE MIFUO YA BIASHARA MTANDAO (ALL REGISTERED SMEs ARE USING E-COMMERCE TOOLS)**
- 3. NAMBA YA UTAMBULISHO YA KIDIJITALI (DIGITAL IDENTITY NUMBER)**
- 4. KILA KAMPUNI MPYA INAYOSAJILIWA NA KUPEWA LESENI NA BRELA IWE INATUMIA MIFUMO YA KIDIJITALI (ALL NEW BUSINESSES ARE BORN DIGITAL)**



KIKAO CHA BRELA NA WADAU WAKE

AHSANTE SANA

Dr. Nkundwe Moses Mwasaga

