

Digital Transformation for Socio-Economic Growth in the Caribbean and African Communities



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June 09, 2024

Heads up !



Defining Digital Transformation:

Significance of Digital Transformation:

Challenges in the Caribbean and African Communities:

Case Studies: Caribbean Digital Transformation Project:

Benefits of Digital Transformation:

Recommendations for Socio-Economic Growth:

General Discussion & QA. Conclusion

Introduction: What is Digital Transformation?

- **Defining Digital Transformation:**
 - Digital transformation refers to the integration of digital technologies into various aspects of society, economy, and governance.
 - It encompasses changes in processes, services, and behaviors driven by technology adoption.
- **Significance of Digital Transformation:**
 - Digital transformation has the potential to accelerate socio-economic growth by:
 - Enhancing access to information and services.
 - Facilitating economic opportunities.
 - Strengthening social inclusion and participation.

Benefits of Digital Transformation

- **Improved Access:**
 - Information dissemination (healthcare, education, government services).
 - Easier communication and connectivity.
- **Economic Opportunities:**
 - E-commerce, remote work, and entrepreneurship.
 - Digital marketplaces for local products.
- **Social Inclusion:**
 - Empowering marginalized groups.
 - Enhancing political participation.



It's moving
from here ...

... TO HERE



LAC's Digital Economy gaps are alarming

(LAC - Latin America and the Caribbean)

- **Digital Infrastructure:** 46% of fixed broadband access in the region, compared to 57% in Eastern Europe, 87% in Western Europe and 59% in the Asia Pacific region.
- **Digital public platforms:** Argentina, Brazil, Chile and Uruguay are among the top 50 performers in 2018, performing slightly below the OECD average. Belize, Cuba, Haiti and Nicaragua were among the worst LAC performers.
- **Digital financial transactions:** In 2019, the LAC region experienced the lowest growth rate (+2.5%, Western Africa 14.5%) in the number of registered mobile money accounts and the lowest growth rate in transactions value (+1.4, Western Africa +34.9%)
- **Digital business:** Venture capital investments present a positive trend. In 2019 Brazil and Mexico led the region in terms of number of deals and volume transacted (LACVA 2020). However, the region attracts less investment than Asia Pacific. (KPMG 2019)
- **Digital skills:** The levels of education and training in the region are low in relation to advanced countries. It is estimated that there are more than 450 thousand unfilled jobs in the technology area due to the lack of trained professionals. (IDC 2017).



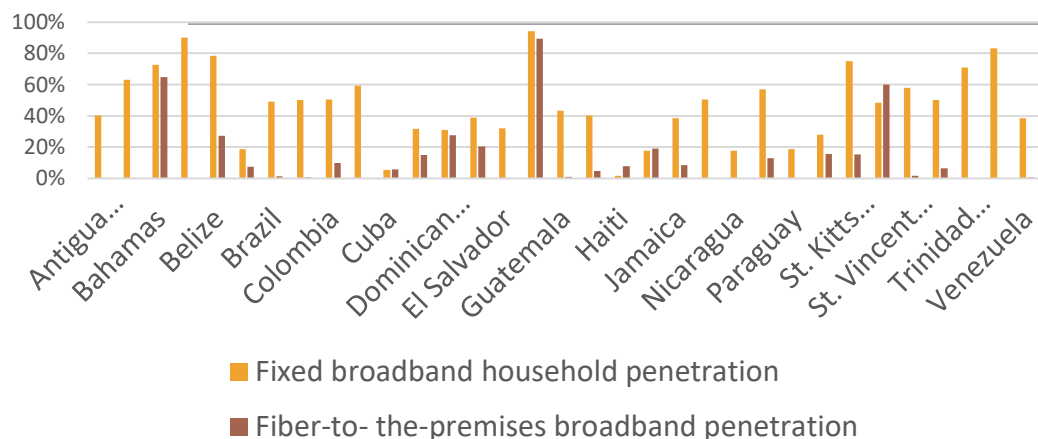
Key Pillars of Digital Transformation

- **Connectivity:** Expanding broadband infrastructure and ensuring affordable internet access.
- **Education and Skills:** Equipping citizens with digital literacy, coding skills, and entrepreneurship training.
- **E-Government Services:** Streamlining public services through online platforms.
- **Entrepreneurship and Start-ups:** Fostering innovation hubs, incubators, and venture capital networks.
- **Cybersecurity:** Safeguarding digital assets and privacy.

Digital Infrastructure is the foundation of the Digital Economy...yet LAC has significant gaps in terms of connectivity, usage and affordability

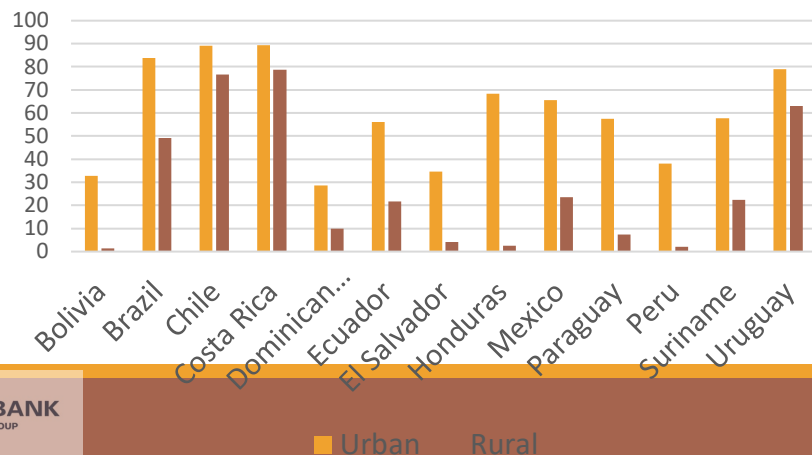
Unequal and unachieved fixed-broadband agenda, especially in fiber

On average less than half of the population (46.7%) in the Region have fixed broadband connectivity and even when they have it is of low quality (9.9% fiber to the home penetration)



Rural vs. urban digital divide varies significantly across LAC countries

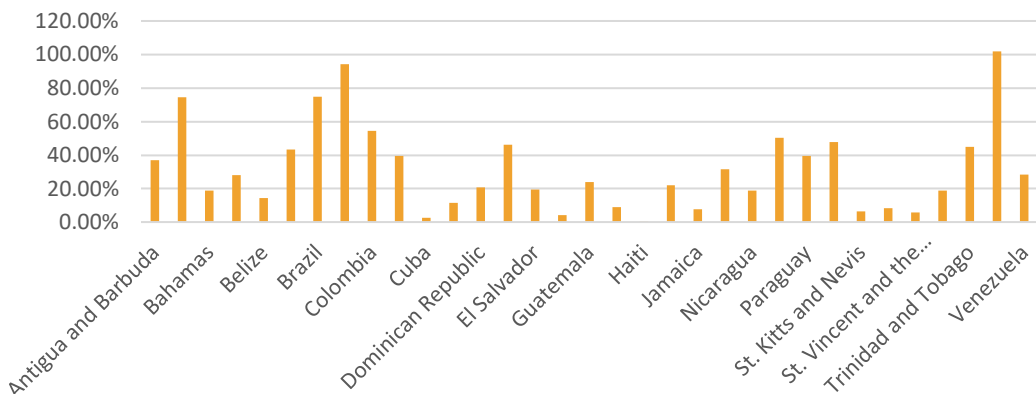
Rural areas are overrepresented in coverage and usage gaps



Advanced mobile broadband is lagging in LAC

4G covers 87% of the population with actual usage/penetration much lower (37%)

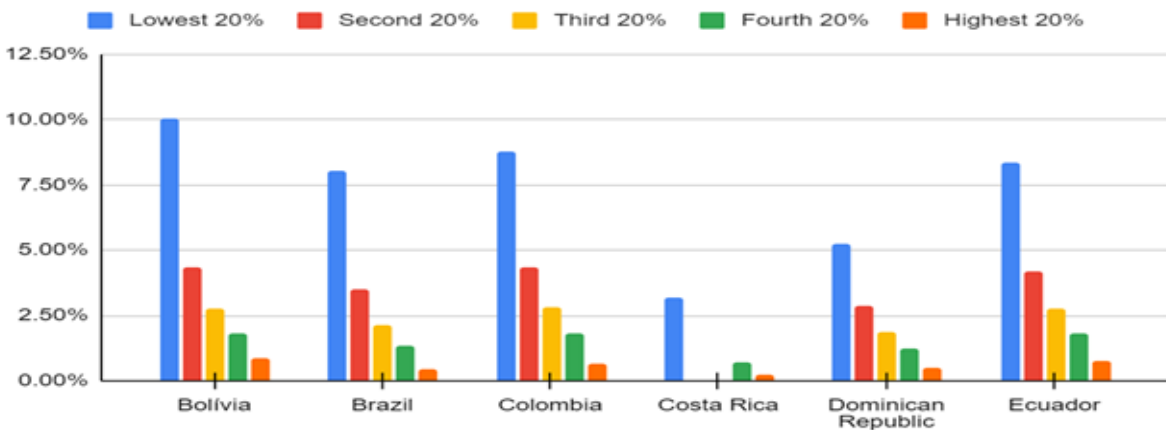
4G Market Penetration



Affordability remains a major barrier to Internet access and usage

In developing countries, the cost of Internet access is often above 2% of GNI per capita for 1GB of mobile data. Device affordability is also major bottleneck.

Affordability of 1GB by income quintiles in selected countries in LAC



Sources: A4AI, 2019

Digital Transformation in the Caribbean and Africa

Challenges and Opportunities

Challenges

- 1. Infrastructure Gaps:** Uneven internet connectivity, limited access to devices, and inadequate digital literacy hinder progress.
- 2. Affordability:** Cost barriers prevent widespread adoption of digital tools.
- 3. Skills Gap:** Developing a skilled workforce proficient in digital technologies remains a challenge.

Case Studies: Caribbean Digital Transformation Project

a. Kalinago People in Dominica

- **Background:**
 - The Kalinago are an indigenous community in Dominica.
 - Historically marginalized, they face socio-economic challenges.
- **Initiatives:**
 - **Digital Skills Training:**
 - Collaborative effort by government and NGOs.
 - Training programs on digital literacy, e-commerce, and online communication.
 - **Economic Opportunities:**
 - Empowering Kalinago entrepreneurs to set up online stores.
 - Promoting tourism-related services through digital platforms.

Case Studies: Caribbean Digital Transformation Project

b. Blind and Low-Vision Children in Saint Lucia

- **Context:**
 - Saint Lucia's Blind Welfare Association supports visually impaired children.
- **Certified Digital Literacy Training:**
 - Collaboration between the association and educational institutions.
 - Focus on adaptive technologies, screen readers, and accessible interfaces.
 - Empowering blind and low-vision children for future opportunities.



African and Caribbean Digital Transformation Success Stories - 1

Jamaica's Digital Transformation : Jamaica has made significant strides:

- ✓ **e-Government Portal:** A one-stop platform for citizen services.
- ✓ **Start-up Ecosystem:** Kingston hosts tech incubators nurturing local talent.
- ✓ **Digital Payments:** Mobile money services empower small businesses.

African and Caribbean Digital Transformation Success Stories - 2

Rwanda's Tech Revolution

Rwanda exemplifies digital transformation:

- **Smart Cities:** Kigali integrates technology for efficient urban management.
- **Digital IDs:** Biometric IDs enhance service delivery.
- **E-Health:** Telemedicine reaches remote areas.



THE DIGITAL TRANSFORMATION STRATEGY FOR AFRICA (2020-2030)



The strategy will build on existing initiatives and frameworks such as:

PRIDA

Policy and Regulatory Initiative for Digital Africa

PIDA

The Programme for Infrastructure Development in Africa

AfCFTA

The African Continental Free Trade Area

AUFIs

The African Union Financial Institutions

SAATM

The Single African Air Transport Market

FMP

The Free Movement of Persons

This will together support the development of a Digital Single Market (DSM) for Africa

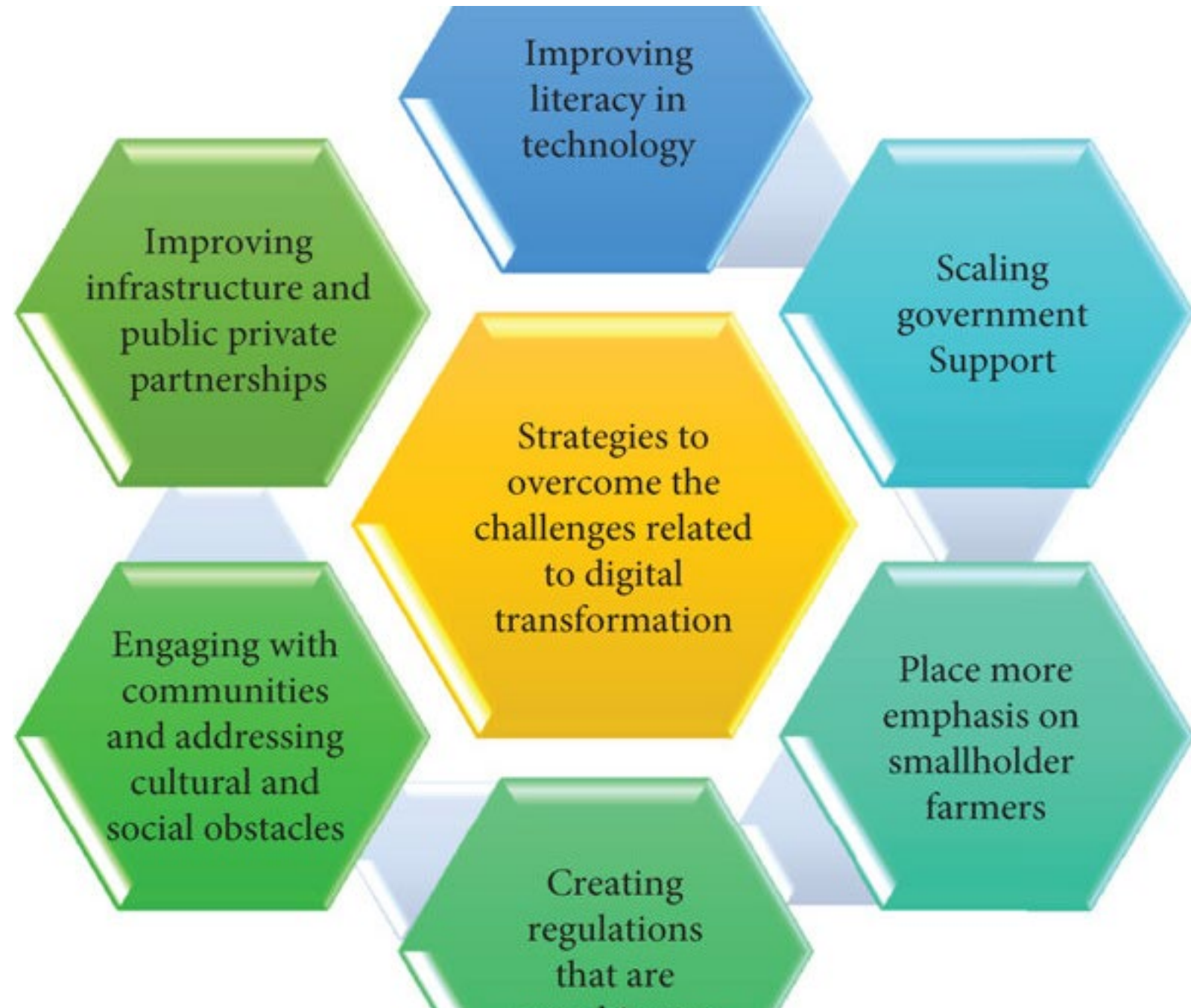
The Power of Digital Entrepreneurship

- a. Enabling Innovation: Digital entrepreneurship empowers individuals to innovate, disrupt traditional business models, and create new products and services that resonate with a global audience.
- b. Reduced Barriers to Entry: Unlike traditional brick-and-mortar businesses, digital entrepreneurship significantly reduces entry barriers, allowing individuals from all walks of life to start their own ventures with minimal resources.
- c. Flexibility and Scalability: Digital platforms enable entrepreneurs to operate remotely, tap into a global talent pool, and seamlessly scale their businesses according to market demand.



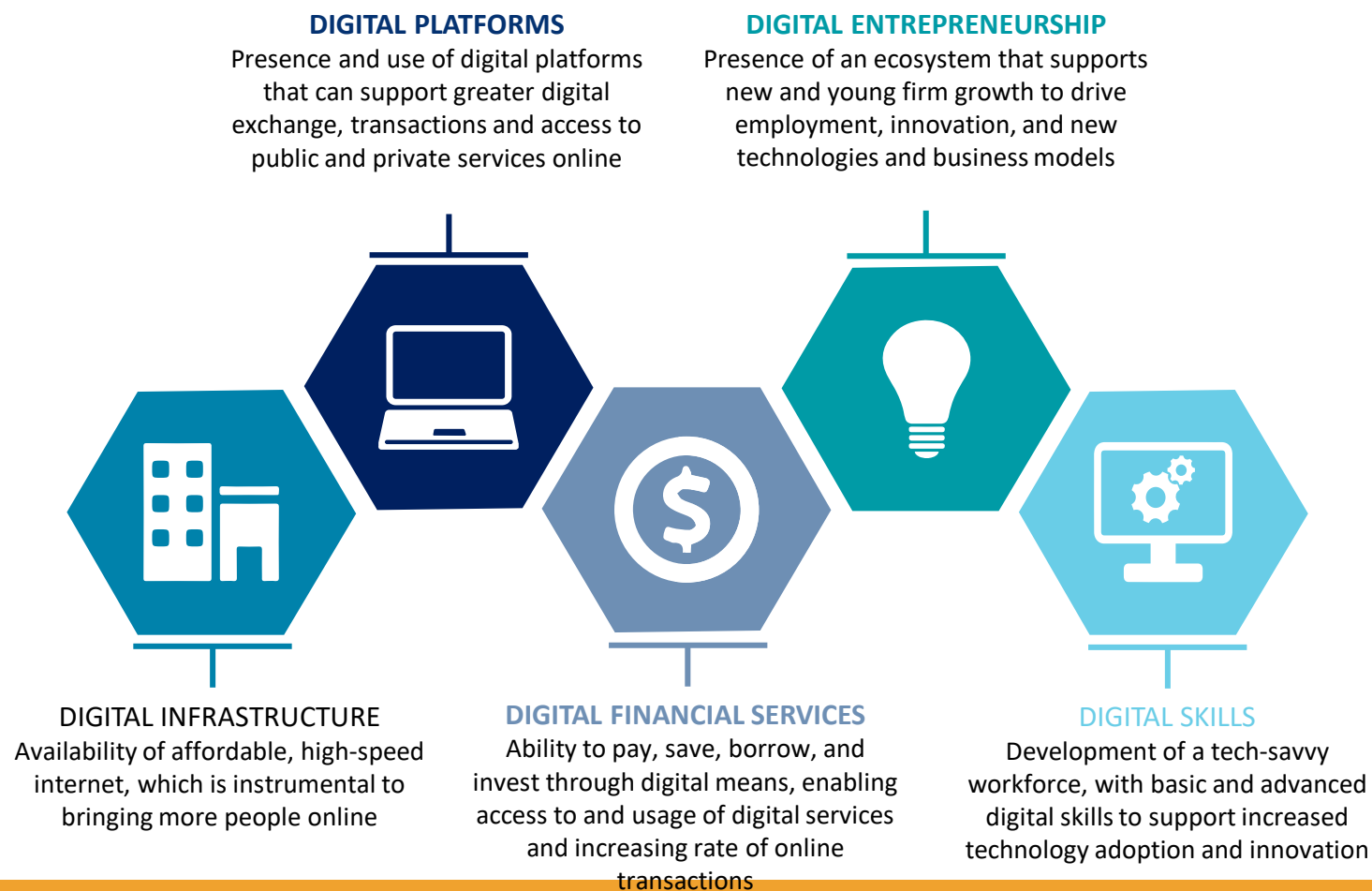
How to Achieve Digital Transformation in the African-Caribbean Communities:

Strategies to deal with digital transformation challenges in African and Caribbean Communities



Achieving good country-led outcomes in digital transformation requires an ecosystem approach

5 Foundational Pillars of the Digital Economy



Collaborative Action

Public-Private Partnerships

Governments, private sector, academia, and civil society must collaborate:

- ❖ **Policy Frameworks:** Enabling regulations for innovation and investment.
- ❖ **Capacity Building:** Training programs for digital skills.
- ❖ **Investment in Infrastructure:** Broadband expansion, data centers, and cybersecurity.

Regional Cooperation

Regional Cooperation

Caribbean and African nations can learn from each other:

- **South-South Knowledge Exchange:** Sharing best practices.
- **Joint Research and Innovation:** Collaborating on solutions.
- **Trade and Investment:** Strengthening economic ties.

Recommendations for Socio-Economic Growth

- **Policy Frameworks:**
 - Enabling legislation for digital inclusion.
 - Incentives for private sector investment.
- **Infrastructure Investment:**
 - Broadband expansion.
 - Community centers with digital resources.
- **Skills Development:**
 - Digital literacy programs.
 - Vocational training in tech-related fields.

Conclusion

. The Road Ahead:

- Continued commitment to digital transformation.
- Collaboration among governments, NGOs, and private sector.
- Bridging the digital divide for sustainable socio-economic growth.
- **Digital transformation is not an option**; it is our compass toward a brighter future. Let us build resilient, inclusive, and prosperous Caribbean and African communities—one byte at a time.

Thank You

Any questions?

Discussion & QA

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