



TANZANIA DIGITAL IDENTITY ECOSYSTEM

Building an Inclusive and Sustainable National ID System

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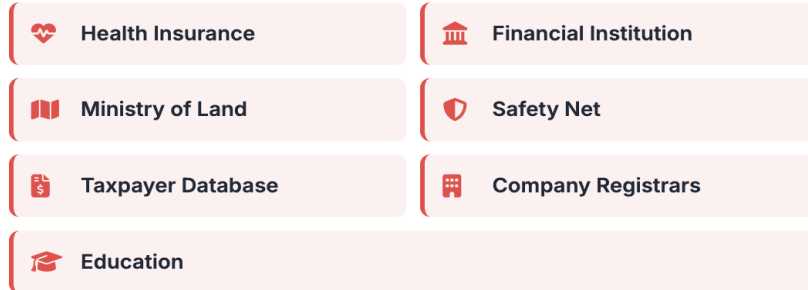
ID4AFRICA 2026 – ABDIJAN, COTE D'IVOIRE



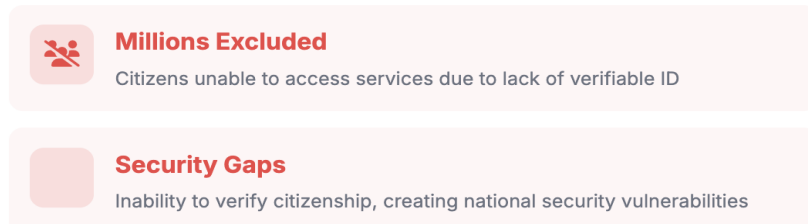
1. WHY TANZANIA INVESTED IN DIGITAL IDENTITY

✘ BEFORE National ID System

FRAGMENTED IDENTITY SYSTEMS



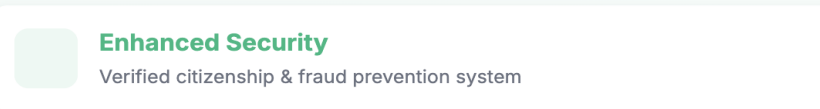
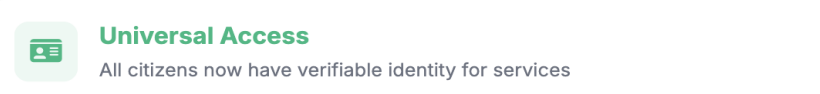
EFFECTS OF FRAGMENTATION



TRANSFORMATION

✔ AFTER National ID System

UNIFIED IDENTITY PLATFORM



We built National ID System to solve fragmentation and create a single source of truth for citizen identity

2. ECOSYSTEM SNAPSHOT – WHERE WE ARE TODAY

CURRENT SCALE – BY THE NUMBERS

27.1



CITIZENS REGISTERED

87%



ADULT COVERAGE

22M+



ID CARD PRODUCED

147+



INSTITUTIONS INTEGRATED

\$66.4M



REVENUE GENERATED

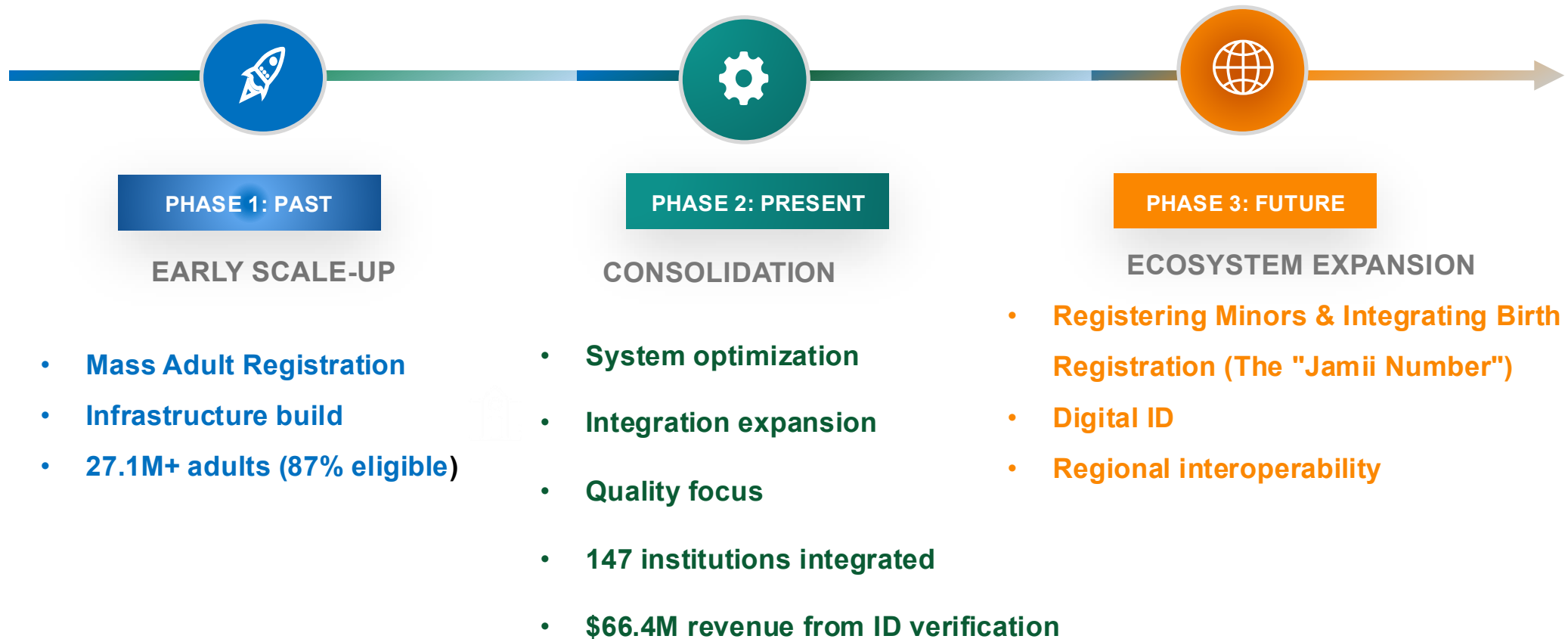
22.6M



NINs GENERATED

We've built scale 8 out of 10 Tanzanian Adults Now have Verified Digital Identity

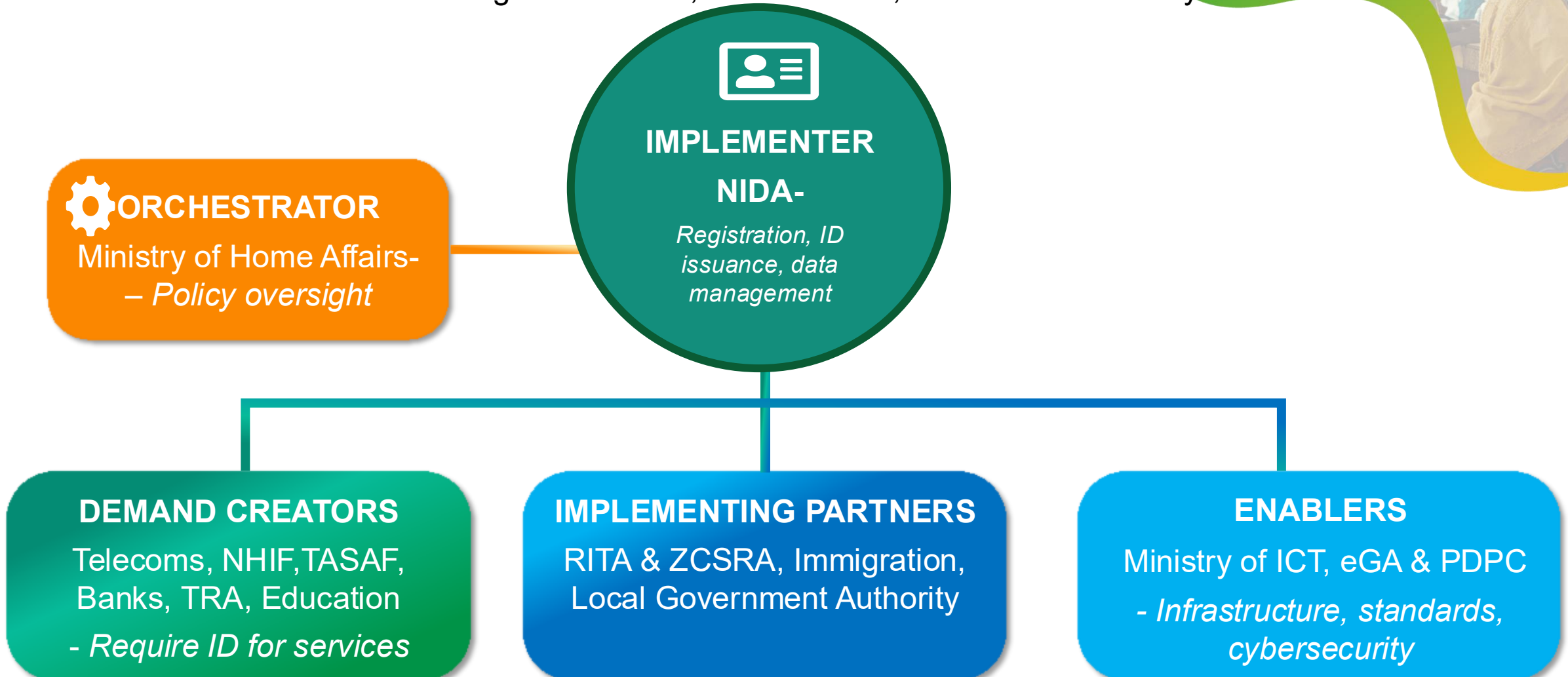
3. FROM MASS ENROLLMENT TO ECOSYSTEM EXPANSION



4. INSTITUTIONAL & ECOSYSTEM ARCHITECTURE

4.1 Tanzania's Digital Identity Ecosystem

A Unified Framework: Harmonizing Governance, Infrastructure, and Service Delivery



4.2 ICT: The Foundation Beneath NIDA

-The Digital Backbone: Architecting a Secure and Resilient Identity Infrastructure

Government Data Centers:

Secure hosting of NIDA systems



Connectivity:

Connecting 156 Registration centers nationwide



Interoperability Standards:

Technical frameworks for ecosystem integration



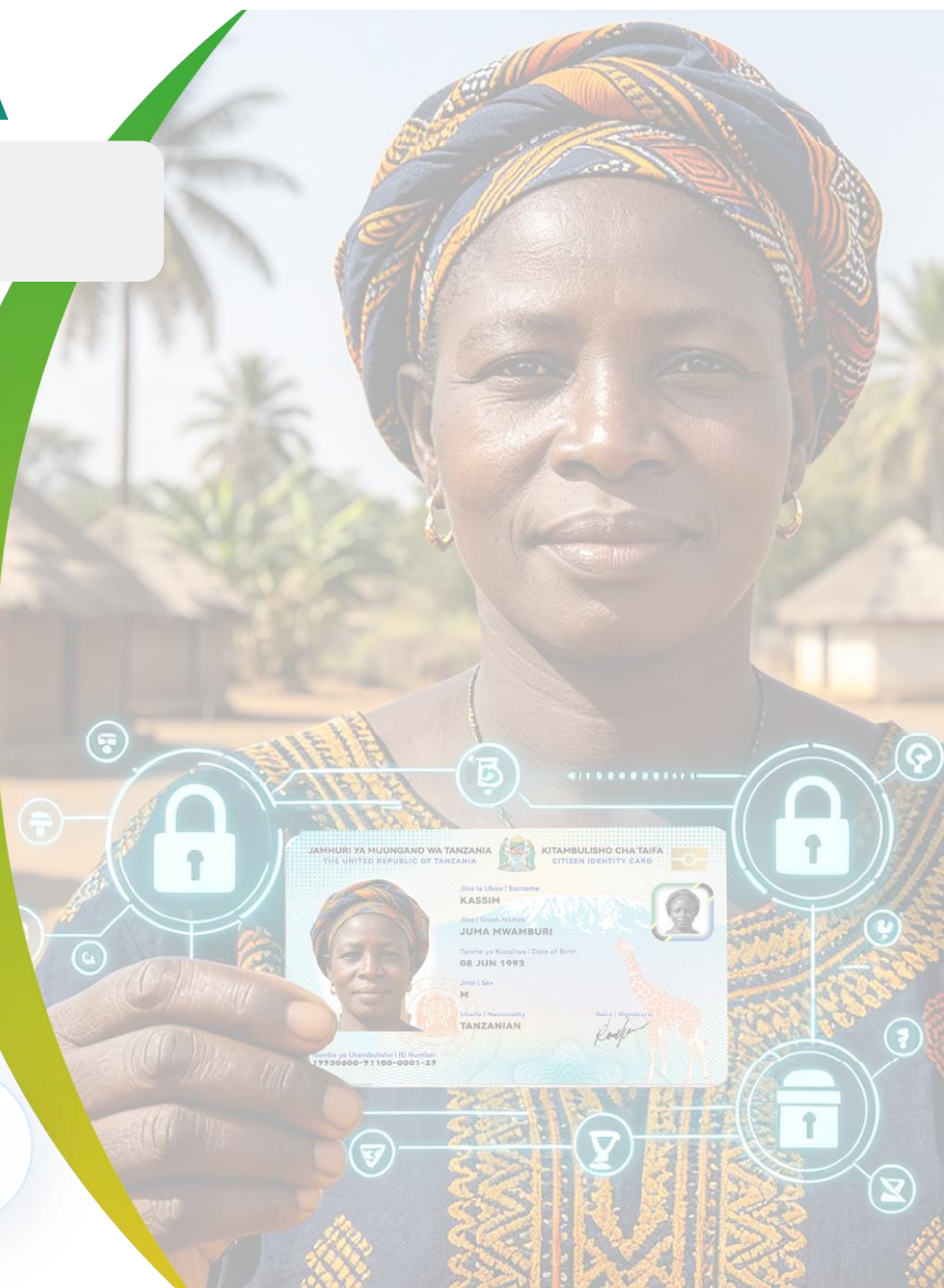
Cybersecurity:

Protecting National ID Data at Rest and in Transit



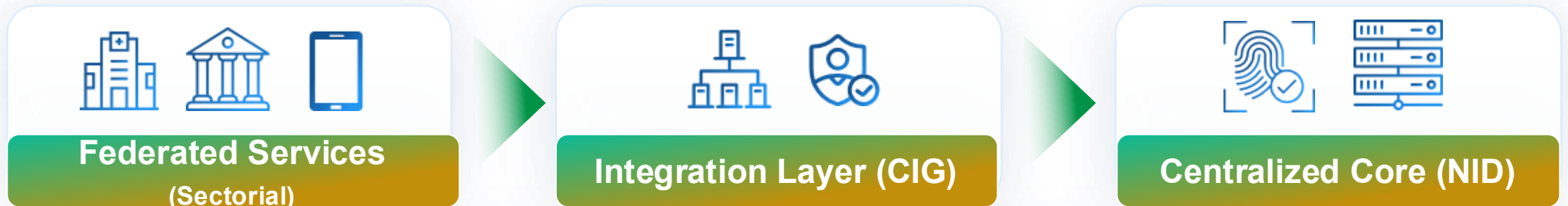
Innovation Support:

Engine that drives evolution



4.3 Hybrid Architecture: Centralized Core + Federated Services

**Unified Trust, Distributed Innovation: Balancing Sectoral Autonomy
with Nationwide Scalability**



Centralized identity, decentralized service delivery
— best of both worlds

5. INTEROPERABILITY – MAKING THE ECOSYSTEM WORK

147+ Institutions, One Identity Layer

— Beyond Data: Building a Shared Identity Infrastructure for the Digital Economy



TCRA: SIM registration – **25%** uptake increase



NHIF: Health insurance – fraud reduction



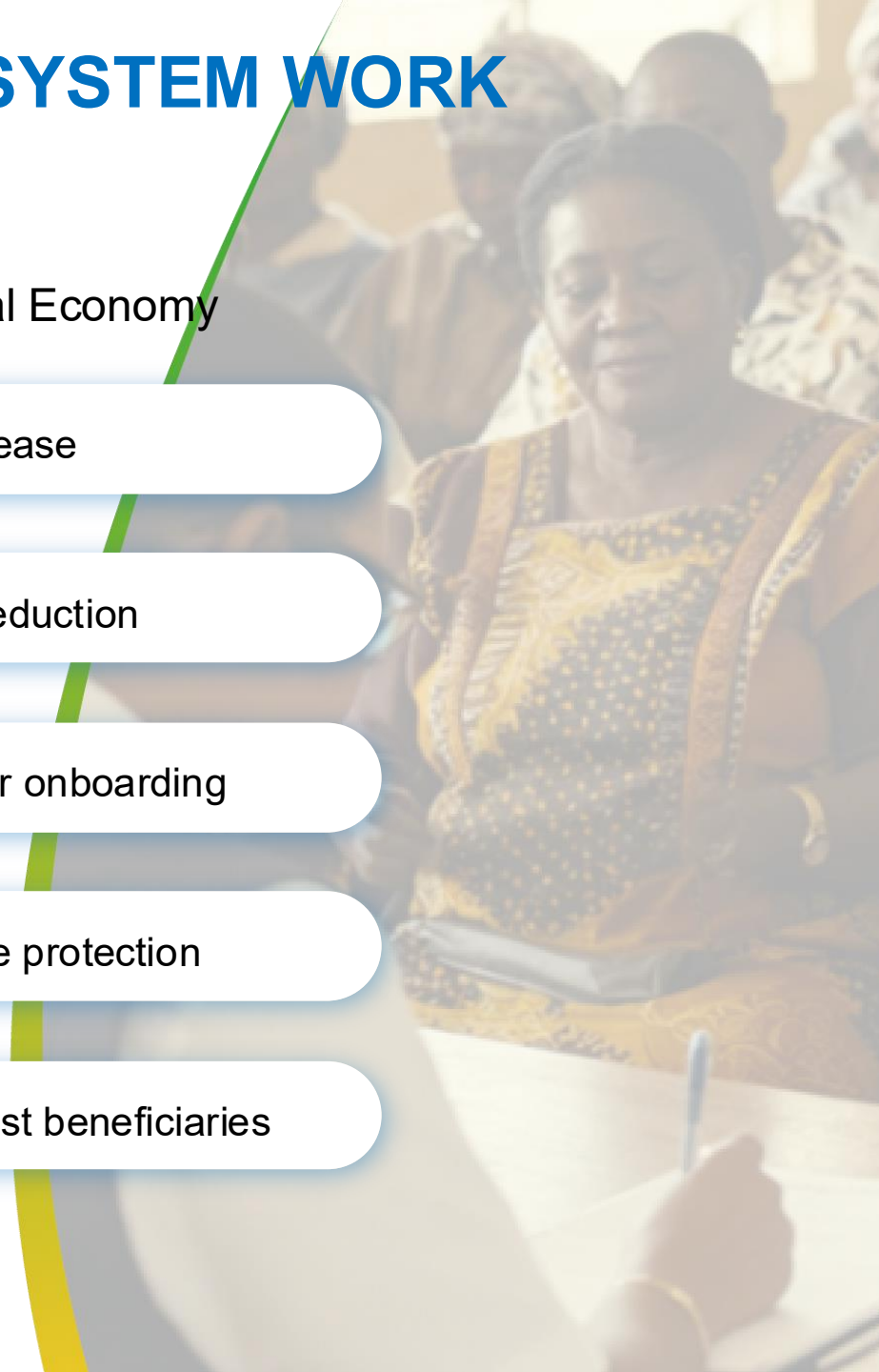
Banks: KYC compliance – faster onboarding



TRA: Taxpayer registration – revenue protection



Social Security: Pension disbursement – no ghost beneficiaries



5.2 Three Dimensions of Tanzania Interoperability

— Why Human Trust and Legal Frameworks Power the Digital Pipeline

Interoperability is
30% technology



Legal



Institutional

70% relationships and agreements

What We Have Conquer

Sectoral silos

data quality

technical debt

agency resistance



6. SUSTAINABILITY – BUILT TO LAST

The Three Pillars of Sustainability

Building a Resilient Identity Ecosystem That Outlasts Technology Cycles



Financial

- Government Budget (Annual Treasury allocation)
- Verification Fees (institutions pay per API transaction)
- Cost Recovery (Replacement cards, premium services)



Institutional

- Legal permanence – Act of Parliament (Cap 36)
- Clear mandate for NIDA
- In-house technical capacity
- Stable Ministry oversight (Ministry of Home Affairs)

Political

- Presidential champion – Children registration directive (Jamii Number)
- Citizen demand – Growing expectation for ID services
- Regional integration – EAC and AU frameworks

7. KEY DECISIONS & LESSONS FOR AFRICA

7.1 The Choices That Defined Us



Centralized foundational ID (not sectoral)



Physical smartcard + digital NIN (offline/online capable)



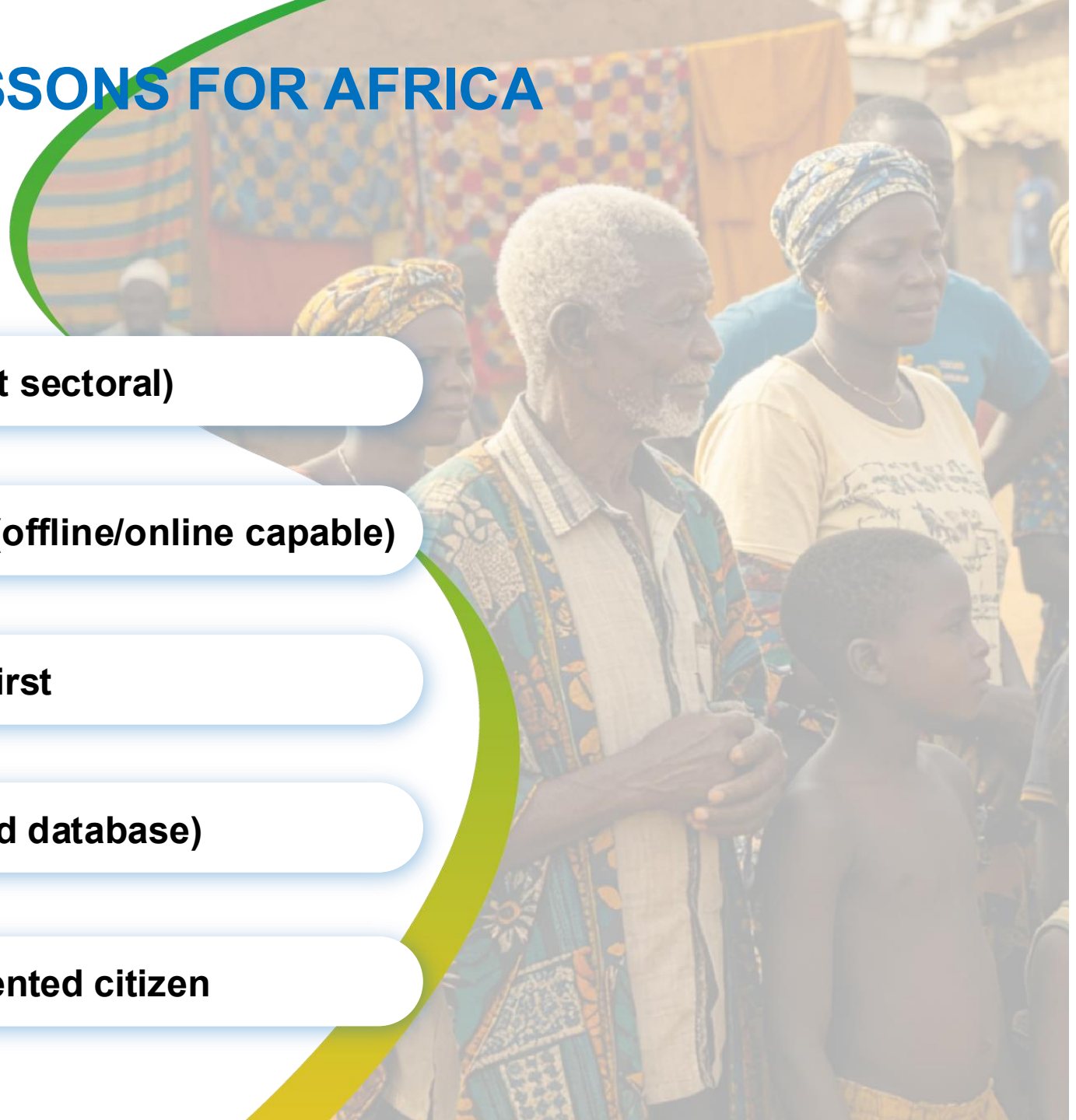
Phased rollout - adults first



API-based integration (not shared database)



Special Form No. 7 for undocumented citizen



7.2 Decision: Register Adults First, Children Deferred

Phased Momentum vs. Total Inclusion: Lessons from Tanzania's Two-Step Enrollment Journey



Adult: **87%**



50.8%
of
Population

Excluded

Near-Full adult coverage and
matured core infrastructure



Left a large identity gap, raising
costs and operational difficulty



7.3 What We Want Other Countries to Know

Scaling Successes and Avoiding the Hidden Costs of Digital Transformation



Start with legal mandate



Phase strategically



Integrate early



Plan financial sustainability



Anticipate inclusion



7.4 If We Started Today

What We Wish We Knew on Day One

1

Register children from the beginning

2

Establish interoperability standards before first integration

3

Invest more in change management with sectoral agencies

4

Create stronger incentives for agency cooperation



OUR STRATEGIC PRIORITIES FOR THE NEXT THREE YEARS (2026-2029)

The Digital Backbone: Architecting a Secure and Resilient Identity Infrastructure



1

National ID & CRVS Merging and Children Registration

2

Integration Expansion

3

Digital ID Rollout

4

Under 18 years Registration (Jamii Number)

5

Regional Interoperability

Universal Digital Identity for All Tanzanians (Jamii Number)

— Beyond Technology: Restoring Dignity and Visibility to Every Tanzanian Citizen

◆ Every citizen, every service, every time

◆ A secure digital identity from birth, recognized across borders

◆ This is about people – giving every citizen a recognized place in the nation



ASANTENI SANA | THANK YOU

