Africa CDC Digital Transformation Strategy

Edition 1 - 2023

Kigali, March 6th, 2023

Phil Nsengimana

Africa CDC presents a unique set of advantages

African Union's Agenda 63

Africa CDC's Mandate and New Africa Public Health Order

Africa CDC Digital Transformation Strategy

Africa CDC Strategic Plan

Global best practices
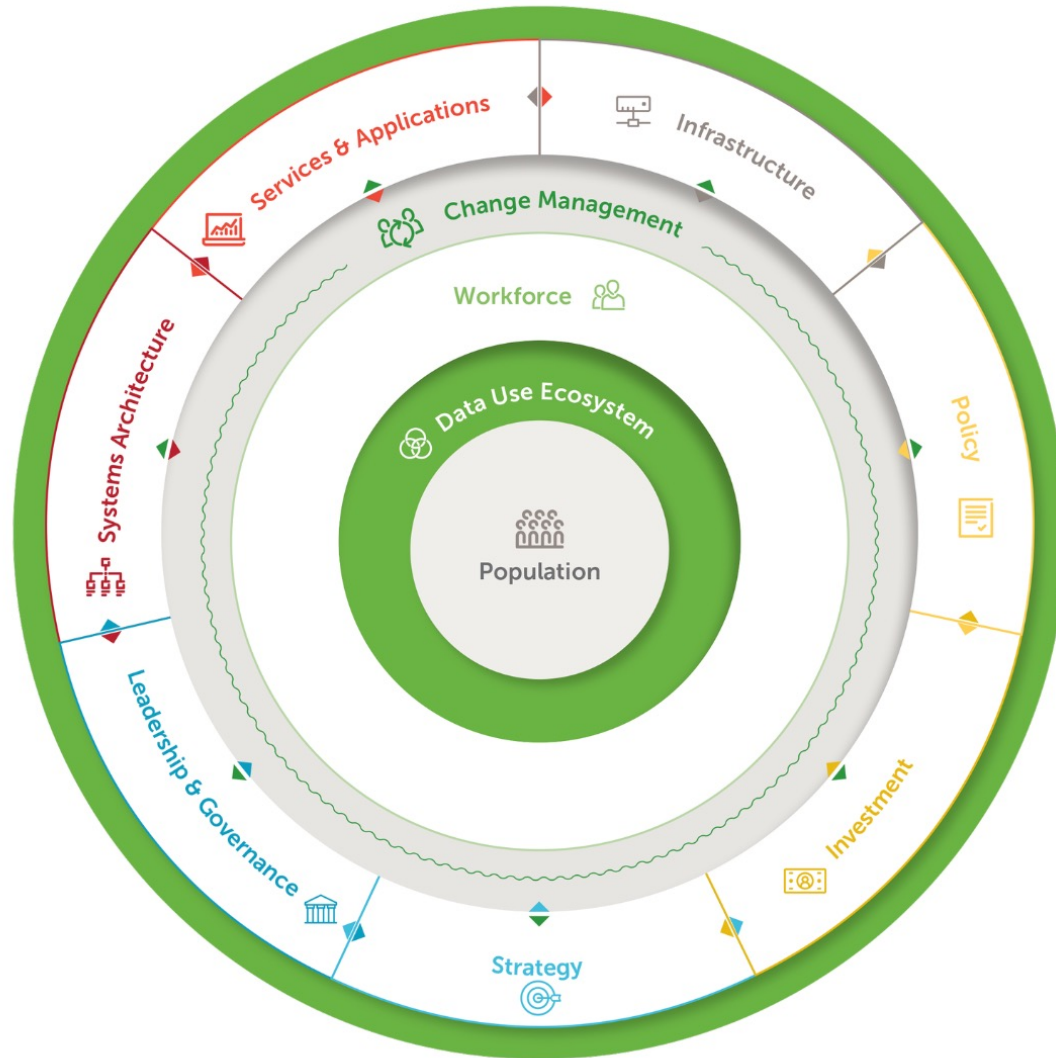
▶ **55 African countries** included in the scope of work

▶ **Political support** and institutional link with countries

▶ **Regional expertise** based on extensive knowledge and experience of African needs and challenges

▶ **Technical expertise** in disease control and prevention, surveillance, laboratory systems, emergency preparedness and response, and workforce development

▶ **Strong convening power**

Benefits of digital solutions

Accessibility

Affordability

Quality

Capacity

Stronger Health Systems

Capability

Accountability

Scalability

Efficiency

Digital health transformation requires to act on 10 levers

- ▶ **Seven building blocks from WHO-ITU toolkit**

- ▶ **Data use ecosystem**

- ▶ **Change management**

DUAL Framework by PATH and Cooper/Smith

Africa CDC's Digital Health Strategy: vision and mission

Internal digital transformation

"Africa CDC is a **digital-savvy** institution with **efficient**, **transparent** and **intelligent internal operations** to support its programmes. Its digital-enabled business processes bring the **cost optimization**, **compliance**, **speed** and **agility** required to support Member States."
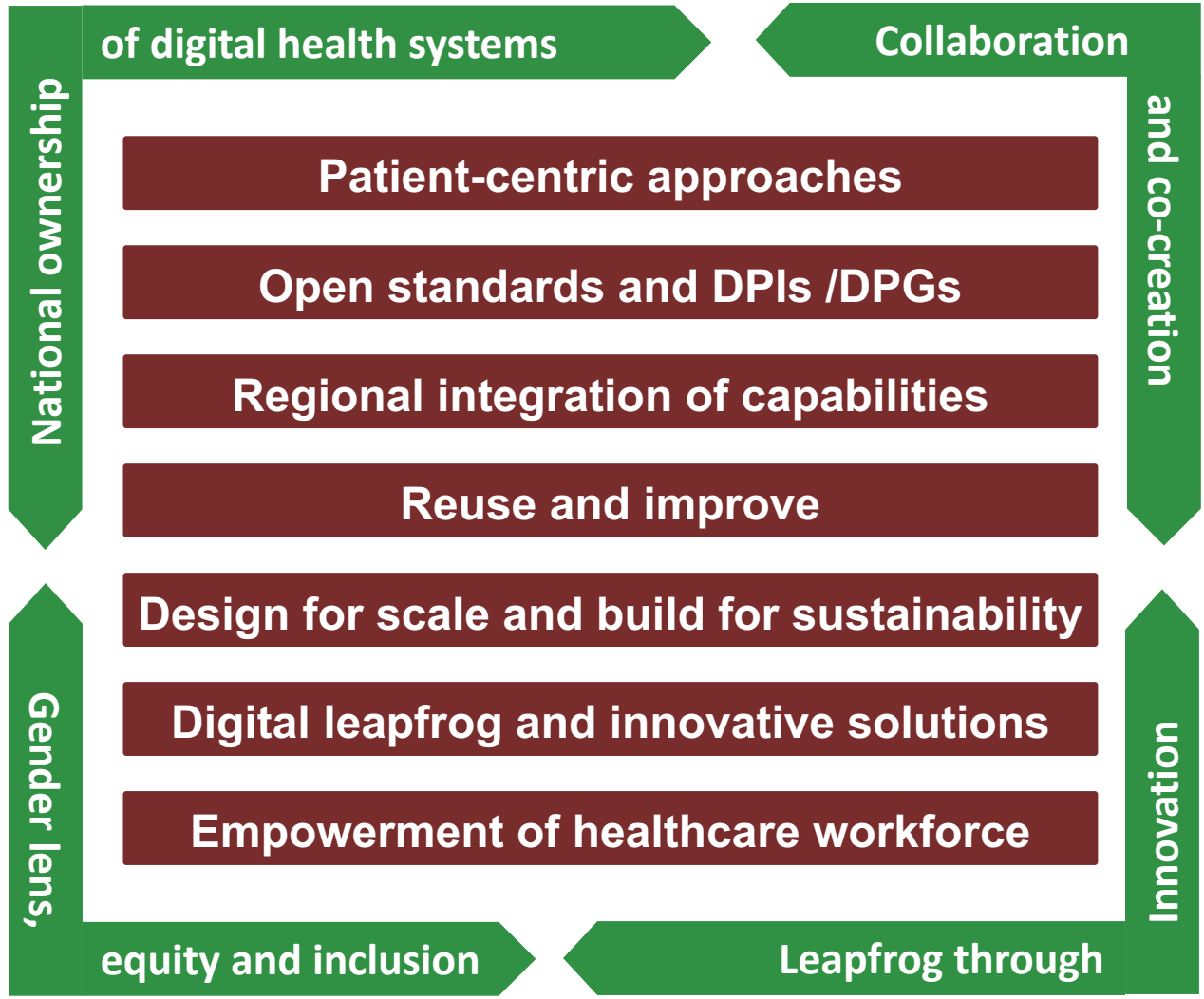
Member States' digital health transformation

"By 2030, African Union Member States have **accessible**, **affordable**, **qualitative** and **person-centric digital health systems** that contribute to sustainable health outcomes and health security."

Africa CDC mission

"Africa CDC **collaborates** with Africa Union Member States and global health organizations to provide **guidance** and **services** that help them build **nation-wide** and **interoperable** digital health systems that contribute to **healthier** and **productive citizens of Africa**."

Guiding principles

National ownership of digital health systems

Collaboration and co-creation

- Patient-centric approaches
- Open standards and DPIs /DPGs
- Regional integration of capabilities
- Reuse and improve
- Design for scale and build for sustainability
- Digital leapfrog and innovative solutions
- Empowerment of healthcare workforce

Gender lens, equity and inclusion

Leapfrog through Innovation

▶ **Seven core principles focused on the « how ? »**

▶ **Four crosscutting principles to drive our collective work**

Seven strategic objectives and outputs

Strategic objective 1:
Digital health governance & strategy

Member States have established relevant digital governance mechanisms and strategic documents
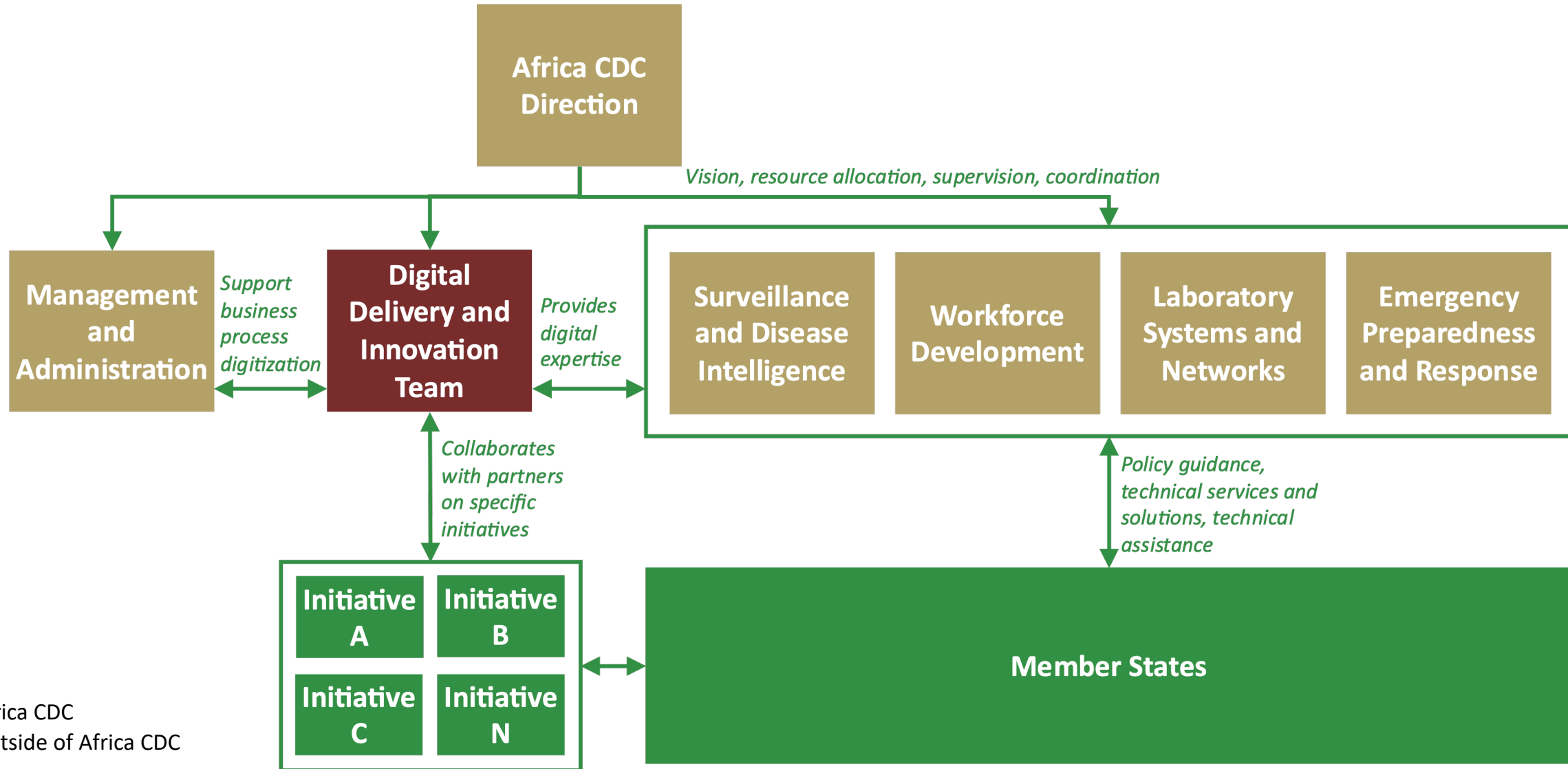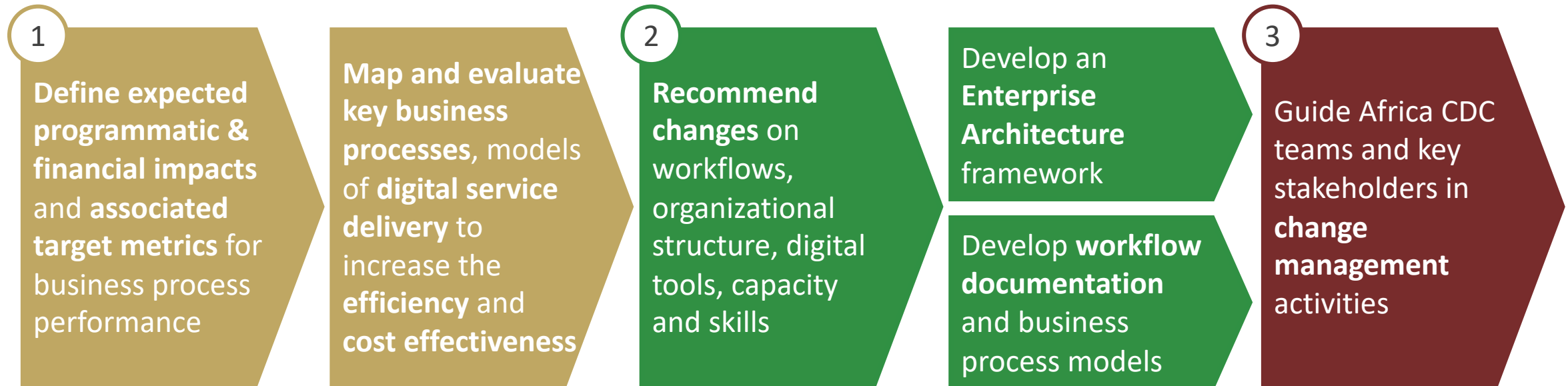
- Support restructuring of digital health coordination
- Knowledge management
- Maturity assessments

Strategic objective 2:
Interoperable platforms & solutions

Member States implement relevant digital solutions collaborate on health security

- Technical guidance on best solutions
- Knowledge management
- National and continental surveillance and response dashboards

Strategic objective 3:
Digital workforce capacity

Member States digital capacity and competencies are built according to their priorities

- Gap analysis
- Guidance on competency frameworks, curricula, job classification and career paths
- Fellowship and Communities of practice

Strategic objective 7:
Digitalized business processes

Africa CDC's business processes have been revised to improve peed and efficiency

- Reengineering
- Enterprise architecture
- Change management

Strategic objective 4:
Digital public infrastructure & goods

Digital public goods and interoperability standards are adopted and developed by Member

- Awareness and advocacy
- Continental digital health governance
- Privacy and security frameworks for cross-border collaborations

Strategic objective 5:
Infrastructure & connectivity

Member States benefit from increased connectivity, computing, networking infrastructure and mobile

- Gap analysis
- Empowerment of Member States
- Digitization

Strategic objective 6:
Home-grown digital health innovation

Africa CDC fosters a market for Digital Health Innovations to flourish and empower citizens

- Secured health data markets
- Innovation sandboxes
- Digital health and Innovation center and start ups

Internally: Creating a Digital Delivery and Innovation team

Africa CDC Direction

Vision, resource allocation, supervision, coordination

Management and Administration

Support business process digitization

Digital Delivery and Innovation Team

Provides digital expertise

Surveillance and Disease Intelligence

Workforce Development

Laboratory Systems and Networks

Emergency Preparedness and Response

Collaborates with partners on specific initiatives

Policy guidance, technical services and solutions, technical assistance

Initiative A

Initiative B

Initiative C

Initiative N

Member States

Africa CDC

Outside of Africa CDC

8

Internally: Digitalizing Africa CDC's business processes

1

Define expected programmatic & financial impacts and **associated target metrics** for business process performance

Map and evaluate key business processes, models of **digital service delivery** to increase the **efficiency** and **cost effectiveness**

2

Recommend changes on workflows, organizational structure, digital tools, capacity and skills

Develop an **Enterprise Architecture** framework

Develop **workflow documentation** and business process models

3

Guide Africa CDC teams and key stakeholders in **change management** activities

▶ **Timely opportunity to revise operational processes**: rapid growth and change of legal status as a specialized autonomous agency of the AU

▶ **Scope includes all business processes** (e.g., surveillance, emergency management, disease control and prevention, public health capacity building) and **functions** (e.g., administration, finance, human resources, procurement)

Flagships
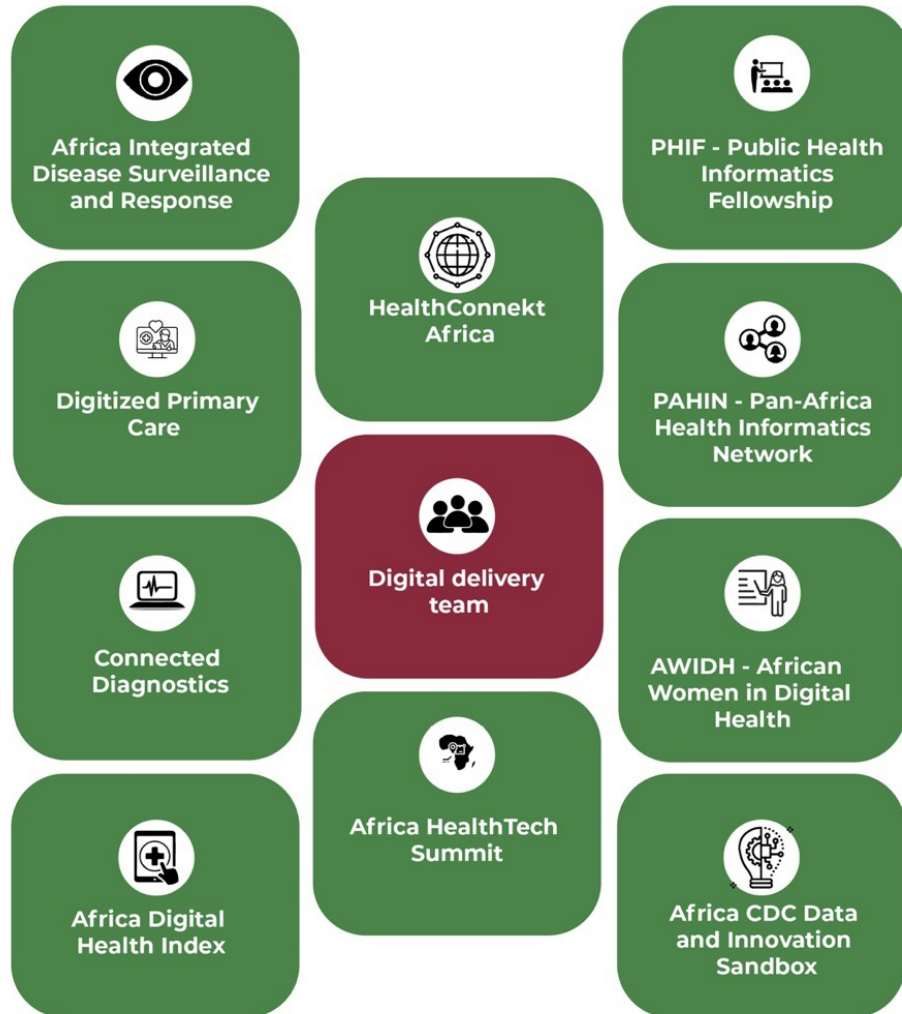
- ▶ **PHIF:** First cohort to be launched in Q3 2023; curriculum under development, staff under recruitment (with US CDC, University of Washington, RTSL)

- ▶ **HealthConnekt Africa:** Learning phase to be launched with the mapping of health facility connectivity in pilot countries, staff under recruitment (with UNICEF, ITU, GSMA, RTSL)

- ▶ **AHTS:** Next edition in Q4 2023; Francophone version under development (with Mastercard foundation, TCP, The Global Fund, Novartis Foundation, Norrsken, GIZ)

- ▶ **PAHIN:** Scope of work and approach defined (with Africa Health Business, PATH)

- ▶ **DDI:** organizational charts and TORs drafted; recruitment to be launched in Q2 2023 (with GIZ, RTSL)

- ▶ **All other flagships to be launched by June 2023 (collaboration with lead partners has started)**

Next steps

Today　　　　　　　　　　　　　　　　　　　　*June 2023*　　　　　　　　　　　　*December 2023*

Overall project portfolio:
Strategic alignment with partners (overlap, complementarities, timelines) operational planning (Funding gap, budgeting, resource mobilization)

Flagship initiatives:
Co-creation with partners to refine implementation models, deliverables, project plans, budget and timelines

Multiple implementation sprints (6 month/project):
specific goals, close collaboration, regular progress reviews