



Tying the Digital Knots
September 14, 2018

Carl Leitner, PhD
Acting Director – Digital Square

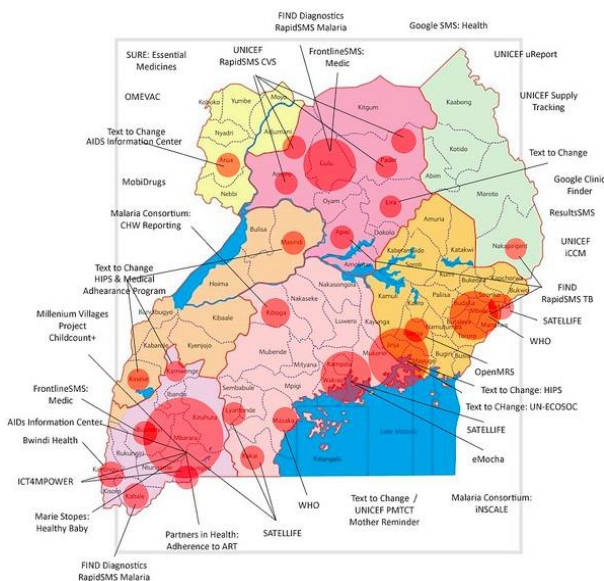
**digital
square**

connecting the world for better health



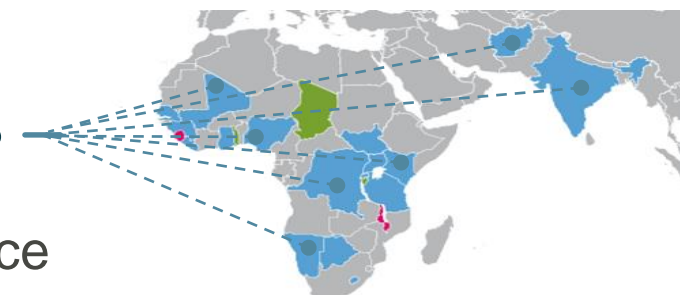
Health Information System Landscape

Many Pilots

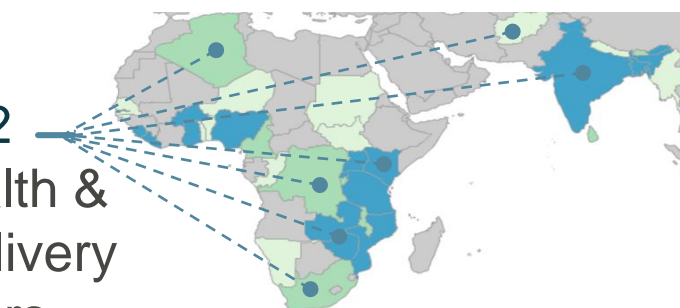


Global Goods

iHRIS
health
workforce



DHIS2
public health &
service delivery
indicators



Telephone: General Line: 340874/231563/9
 Permanent Secretary's Office: 256 - 41 - 340872
 256 - 41 - 231584
 Fax: 256 - 41 - 231584
 IN ANY CORRESPONDANCE ON THIS SUBJECT PLEASE QUOTE ADM. 45/273/01



Ministry of Health
 P.O. Box 7272
 Kampala
 Uganda

THE REPUBLIC OF UGANDA

17th January, 2012

All Technical
 All Hospitals
 All Districts
 All Medical
 All key Staff

In order to jointly ensure that all eHealth efforts are harmonized and coordinated, that ALL eHealth projects/Initiatives be put to halt until:

- Approval is sought from my Office
- Sustainability mechanisms and Ownership have been agreed upon
- Interoperability with the National DHIS2 has been achieved
- Institutional Structures are utilized
- eHealth TWG has reviewed and recommended its Approval

RE: CO
 Reference

The Ministry of Health recognizes the critical role of Information and Communication Technologies in improving the quality of health care, enhancement of human resource development, use of evidence based decision making and ultimately the attainment of the Millennium Development Goals.

While the potential advantages of ICT for development are enormous, we need to put in place an enabling environment guided by a clear eHealth Policy and Strategic Framework.

In order to jointly ensure that all eHealth efforts are harmonized and coordinated, I am directing that ALL eHealth projects/Initiatives be put to halt until:

- Approval is sought from my Office
- Sustainability mechanisms and Ownership have been agreed upon
- Interoperability with the National DHIS2 has been achieved
- Institutional Structures are utilized
- eHealth TWG has reviewed and recommended its Approval

This directive takes immediate effect.

Signature

Dr Jane Ruth Aceng
DIRECTOR GENERAL HEALTH SERVICES

Cc Ag. Permanent Secretary



Calls to action: coordination in digital health

“Create funding mechanisms and models that enable co-funding and both build and sustain digital health commons.”

USAID–Fighting Ebola with Information, 2016



“Support interoperability of digital technologies for health by... the use of international and open standards as an affordable, effective and easily adaptable solution.”

WHO Resolution 2017–A71/A/CONF./1



“Transition investments towards global public goods that build national health systems.”

National Academies of Science, Engineering, and Medicine, May 2017



“Ecosystem collaboration is needed to address current fragmentation and create a holistic digital health model.”

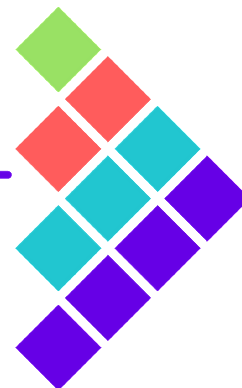
GSMA–Scaling Digital Health in Developing Markets, June 2017





Meeting the call

DIGITAL
INVESTMENT
PRINCIPLES



Principles *for*
Digital Development



Global
Goods



Best practices in digital interventions



Principles *for* Digital Development



**Design with
the user**



**Build for
sustainability**



**Reuse and
improve**



**Understand
the existing
ecosystem**



**Be data
driven**



**Address
privacy &
security**



**Design
for
scale**



**Use open
standards**



Be collaborative



Donor Responsibilities

DIGITAL INVESTMENT PRINCIPLES



1. Collaborate

Collaborate to align investments with national digital health strategies.



2. Invest in national plans

Prioritise investments in **national plans that incorporate “digital global goods”** and avoid bespoke systems.



3. Enable sustainable investment

Engage early to **determine and quantify long-term costs** of operating, maintaining, and supporting digital health systems for sustainable country ownership.



4. Track & measure

Track investments, progress, learnings and successes in digital health systems in a transparent manner.



5. Strengthen skills

Strengthen donor technical skills and core capacities, including awareness of the Principles for Digital Development.



Donor Investments

DIGITAL INVESTMENT PRINCIPLES



6. Creation and evolution

The **creation and evolution** of a country's national digital health strategy, policies and regulatory framework. Strategies include components such as architecture, standards, investment frameworks, privacy protection, and detailed operational and monitoring plans.



7. Maturity continuum

Systems at a level appropriate to the country's progress along the **digital health maturity continuum**.



8. Country capacity

Sustainable country capacity for digital health leadership, governance, implementation, oversight, global good adoption, and donor coordination.



9. Global goods

Scalable, sustainable, accessible, interoperable, and evidence-based **digital health global goods** that meet country priorities.



10. Information and peer-learning

Diverse stakeholder **information-sharing and peer-learning networks** at country and regional levels to foster coordination and alignment of implementation activities.



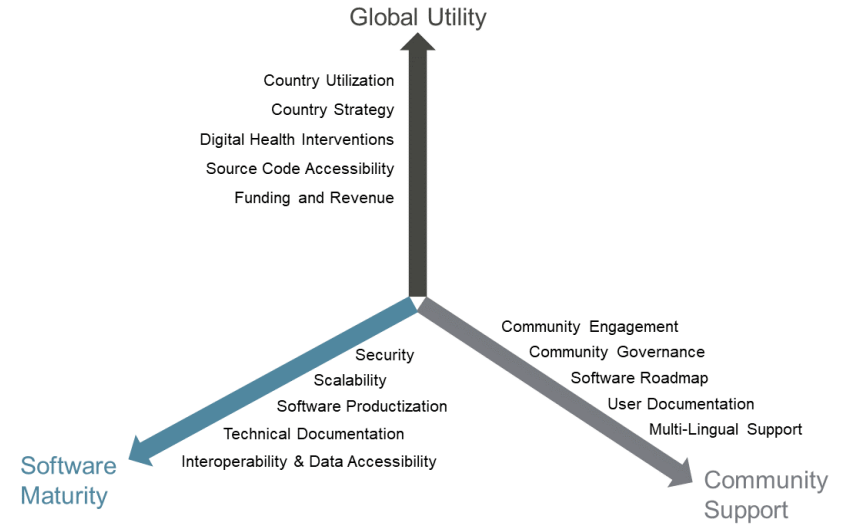
What is a Global Good?

- A software tool that is free and open-source which used to manage, analyze or transmit health related data and has proven utility in several settings.
- A software tool which is used to manage, transmit or analyze health related data that can be freely accessed as a software service and adheres to open data principles.
- A resource, toolkit, or data standard which is available under an open license and that is used to improve or analyze health data management processes.





Using Global Goods For Digital Health





Digital Square

Countries are empowered to develop **sustainable national digital health infrastructure** through **coordinated investments**, so that governments and decision-makers can access the information they need, when they need it, to ensure **better health data** and **health outcomes for all**.

Co-investment

We coordinate investments in proven digital technology to maximize the impact of every dollar spent.

Global Goods

We scale technologies that can be adapted to different countries and contexts and form the core components of digital health infrastructure.

Digital Market Readiness

We build capacity with governments, local technology developers, and health workers.

