EXPLORING DIGITAL PUBLIC GOOD ALIGNMENT AND VETTING

How WHO, UNICEF and Digital Square are coordinating for the digital health community

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Session goals

- Invite Digital Health community to help Digital Square, UNICEF DPGA and WHO to shape complementary efforts
- Provide an overview of what it means to:
 - Become a Digital Square Approved Global Good
 - Be included in the Digital Public Good Alliance registry of digital public goods and recommended by the Community of Practice
 - Be assessed and listed on the WHO Clearinghouse
- Outline where they are similar and different
- Help us think through what else is needed?

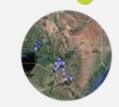
WHAT PROBLEMS ARE WE TRYING TO SOLVE?

Implementers: What tools already exist and how can I find them?



Finance Ministry: What software applications already exist? Can it be used in another sector? country?

MOH: How are other governments tackling this problem?



Helping user groups tackle persistent challenges?



MOH: What digital solutions are effective for my needs? Implementation considerations of solutions, to maximize digital health benefits?

Donors: Are other actors willing to co-invest with us on new digital interventions

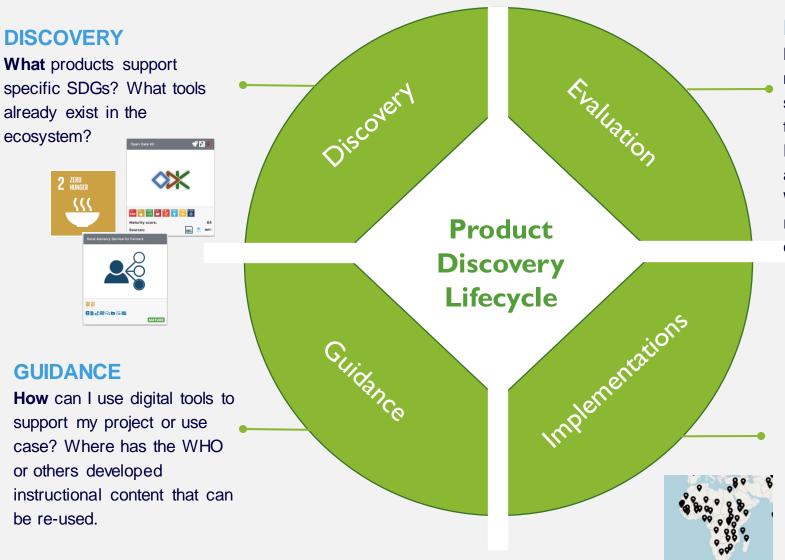




Tool Developers: What is really needed by users?

PHASES OF PRODUCT DISCOVERY?

Informed decision-making in digital investments, planning & implementations



EVALUATION

Fit: Understand the alignment, maturity, scalability, and sustainability of specific digital tools? What products endorse the Principles for Digital Development and meet Digital Square's criteria? Which align with WHO recommendations, and review criteria?

IMPLEMENTATIONS

Where have products already been deployed and by whom?

Overview of Digital Square

Digital Square is a digital health marketplace—or 'square'—where supply and demand come together to accelerate health equity through the development, adoption, scale, and delivery of digital health innovations in low- and middle-income countries. We help funders, country leaders, implementers, and global policy makers learn about high-quality, trustworthy digital health software that is appropriate for low-resource settings.

Digital Square addresses the need for a thriving marketplace for digital health.



Timeline of Digital Square Global Good Products, Processes and Tools



The second secon

Global Good Maturity Model Open Application
Process established
and implemented for
transparent curation
of applications,
approval by technical
committees, and
implementation with
funding and technical
support from Digital

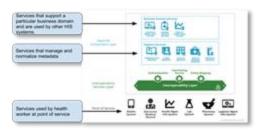
Square team



Formalized prioritization framework for applications



Release of Global Goods Guidebook v1

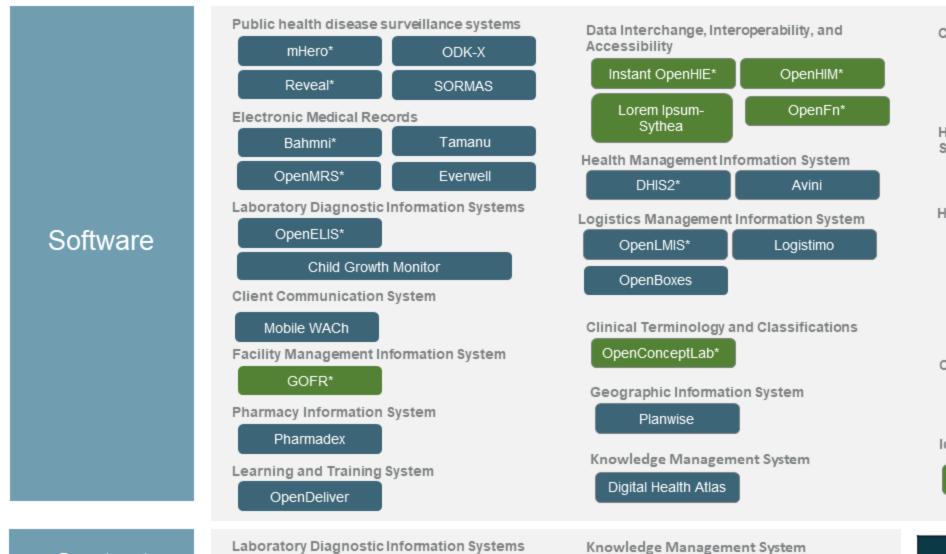


Establishment and implementation of Shelf Readiness Criteria Forthcoming release of Global Goods Guidebook V2

2017 2018 2019 2020 2021

Digital Square defines global goods as digital health tools that are adaptable to different countries and contexts. There are three types: software, services, and content. A mature digital health software global good is software that is Free and Open Source Software, is supported by a strong community, has a clear governance structure, is funded by multiple sources, has been deployed at significant scale, is used across multiple countries, has demonstrated effectiveness, is designed to be interoperable, and is an emergent standard application.

Approved Digital Square Global Goods



Community-Based Information System		
CommCare*	OpenSRP	
Community He	alth Toolkit	
Health Finance and Insu System	urance Information	
openIMIS*		
Human Resource Inform	nation System	
iHRIS*		
Shared Health Record Information Repositor		
Hearth		
Civil Registration and V	ital Statistics	
OpenCRVS*		
Identification Registries	and Directories	
SanteMPI		

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Services

Facility Management Information System

Healthsites*

Laboratory Information Systems COP*

Knowledge Management System

Digital Health Atlas

Legend		
Blue	Frontend Solution	
Green	Backend Solution	
*	Aligned with OpenHIE	

How can tools be approved by Digital Square?

- Digital Square releases a notice with specific criteria outlined in the RFA
- Organizations submit concept notes and subsequent applications in response to the RFA
- Broader digital health community including Digital Square provide feedback to strengthen applications
- Technical committees review application against a digital prioritization framework
- Digital Square Board approves application (some approved for funding)
- All approved tools (funded and unfunded) are integrated into Digital Square Global Good Community



Benefits for Digital Square Approved Global Goods

- Advocacy for funding to support core software development or community engagement
- Validation and approval of application through a rigorous review process of digital health experts
- Inclusion in Digital Square global good community with opportunities for in-kind support and engagement with other community members
- Inclusion in the Global Goods Guidebook, which is highly circulated among investors, with country governments, and is broadly referred to in the digital health community

What if the tool is not an approved Digital Square Global Good?

Overview of the three "programs" - Digital Public Good Alliance

A multi-stakeholder initiative to accelerate the attainment of the sustainable development goals in low- and middle-income countries by facilitating the discovery, development, use of and investment in digital public goods.











Norwegian Ministry of Foreign Affairs

Timeline of Digital Public Goods Alliance, Processes and Tools









Digital Public Goods Alliance co**founded** by UNICEF, Norway, iSPIRT and Sierra Leone

UNSG defines digital public goods in the Roadmap for **Digital** Cooperation

Release of the DPG Standard 1.0

Standard applied to screen ~400 projects in the

CoP for Health is formed with

UNICEF

CoP for Climate Change Adaptation is formed with

Norad

CoP for

Financial

Inclusion is

formed with

iSPIRT

Digital Public Goods for verted digital public goods, a list of openly

First CoP Recommends 8 **DPGs**

for Early Grade Reading

registry

digital COOPERATION UN SECRETARY-GENERAL'S HIGH-LEVEL PANEL

UNSG convenes the High-Level Panel on Digital Cooperation

High-Level Panel recommends 1B "that a broad, multi-stakeholder alliance, involving the UN, create a platform for sharing digital public goods, engaging talent and pooling data sets, in a manner that respects privacy, in areas related to attaining the SDGs."

Digital Public Good Alliance

2017 2018 2019 2020 2021

What are Digital Public Goods?

A Digital Public Goods is a project or product that conforms to the definition of digital public goods laid out by the UN Secretary General in the 2020 Roadmap to Digital Cooperation:

Open source software, open data, open Al models, open standards and open content that adhere to privacy and other applicable laws and best practices, do no harm, and help attain the SDGs.



How can tools be approved by Digital Public Goods Alliance?

Digital Public Goods registry

- Projects are submitted through the <u>form</u>
- Projects are checked to see if they conform to the definition of digital public goods described by the <u>DPG</u>
 Standard
- Projects that meet the standard appear on the <u>public registry</u> of digital public goods.

Vetted Health DPGs

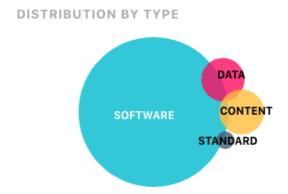
- Sector Experts who are CoP members identify a high priority focus area for the CoP (i.e. contact tracing)
- Identify short list of Health DPGs of high relevance to that focus area
- Identify vetting criteria (including maturity assessment) for those projects
- DPGA runs technical assessment based on that criteria
- CoP approves projects as vetted.

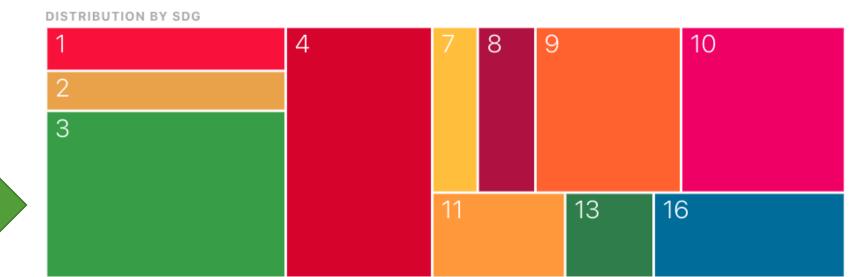
Digital Public Good nominees

Data Explorer

486







Good Health and Well-being

Who reviews the Digital Public Goods?

Communities of Practice (CoPs)

are groups of experts convened by the DPGA secretariat to support the discovery, assessment and advancement of **potential high-impact** Digital Public Goods within a priority area.

CoPs produce lists of **recommended digital public goods** and identify mechanisms to additionally support the recommended projects.



Why do we need the Digital Public Goods Alliance?

Across the health system, lots of solutions are missing from the catalogs for systems and services where governments are requesting support. Identifying essential DPGs in high-priority areas lets us better support countries and advocate for projects.

This is a way to complement and extend existing efforts.



Benefits for DPGA recommended DPGs

Vetted Health DPGs

- Advocacy for funding, visibility and implementation by the Alliance, founders and CoP members.
- Inclusion in related guides and funding groups.

What if the tool is not recommended by the CoP?

- It does not mean that the tool is not good. It likely means that the tool was not mature enough or relevant to the specific focus area of the CoP.
- Projects that are not recommended by one CoP may be recommended by another for which the tool is more relevant.

The WHO Digital Clearinghouse places Government users at the centre

The Digital Clearinghouse is...

- 1 A digital platform to connect Government health institutions with digital health solutions that have been vetted and meet criteria for specific use cases
- It supports the user looking to solve an actual/anticipated health system need by:
 - Collecting digital health solutions deemed to be beneficial based on expert review
 - Navigating to a specific set of digital health solutions in a user-friendly interface given the individual MoHs' public health need
 - Offering a forum for feedback to digital health solutions and later also for exchange among participating MoHs and solution providers
 - Providing linkages to technical guidance and support for adoption, integration and implementation
- 3 Additionally, it gives digital solution providers a platform to
 - Offer and broadcast existing digital solutions in a lean and standardized way
 - Receive structured feedback to digital health solutions
 - Address unmet public health needs through new solution development

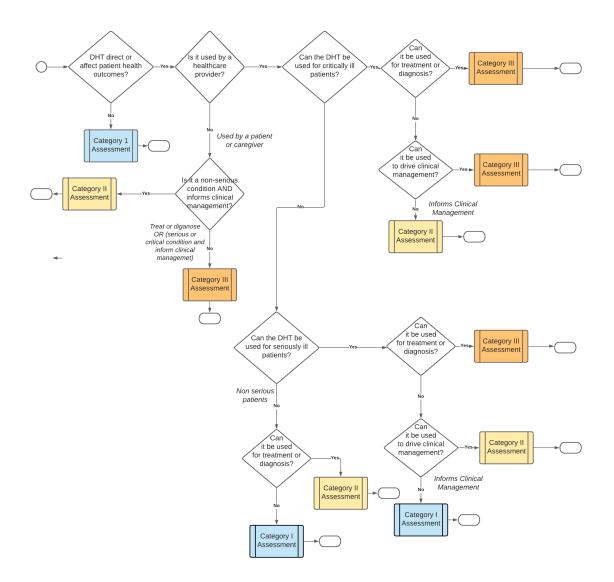
Over time, the digital clearinghouse will develop into a framework to evaluate and vet existing digital health solutions, and responds to requests for non-existing digital health solutions given unmet needs; it will expand to cover solutions for other priority programmatic areas (e.g., HIV, Malaria, TB, cross-cutting topics)



Clearinghouse (draft) High Level Assessment framework

Risk Assessment	Product Overview	Health Content	Technology Considerations	Usability	Sustainability
Risk Category	Value Prop	Use Case	Privacy and Data Security	Usability	Org Details
Regulatory Oversight	Geographic Focus	Evidence	Reliability, Scalability Performance & Disaster Recovery	Demo	Cost Considerations
	Product Features		Interoperability	Customer References	
	Productization		Operability in low- resource settings		
	Analytics		Time to Deployment		

Draft Risk Categorization



Risk Cat	Impact	Evidence and Regulation
	Low	Low burden of evidenceNo Regulation
II	Medium	High Burden of EvidenceNo Regulation
III	High	Burden of EvidenceRegulatory oversight focus



Phase 2 (Q3 2021) will broaden health domain scope and complete functionality omitted for MVP



Strategic objectives



Community and feedback

Structured capture of user feedback, highlight emerging needs

Community or forum page that only MoH users can use to discuss trends and share experiences with peer countries



New health challenges

Additional health use cases challenges to set the strategic health domain direction of the DCH (e.g. NCD, immunisation, child health), as well as challenges related common groups of functionality for health solutions (e.g. case management, telemedicine)



Bolstering review mechanism

Strengthen the listing process; updating solution intake form and review, increasing domain specificity in reviewer cohort Convene first meeting of independent Steering Group giving steer on overall process



Supporting countries

Support users to inventory their existing digital health system and define priority investments

Engage financial and donor partners and develop framework for innovative and sustainable financial support via DCH Supply technical guidance on deployment to countries



New features and functionality

Develop forum page that only MoH users can access at their discretion

Tool to support rating and/or qualitative feedback from countries on solutions

Platform will share official WHO content specific to digital and health domains

Health domain specific modifications to solution intake form

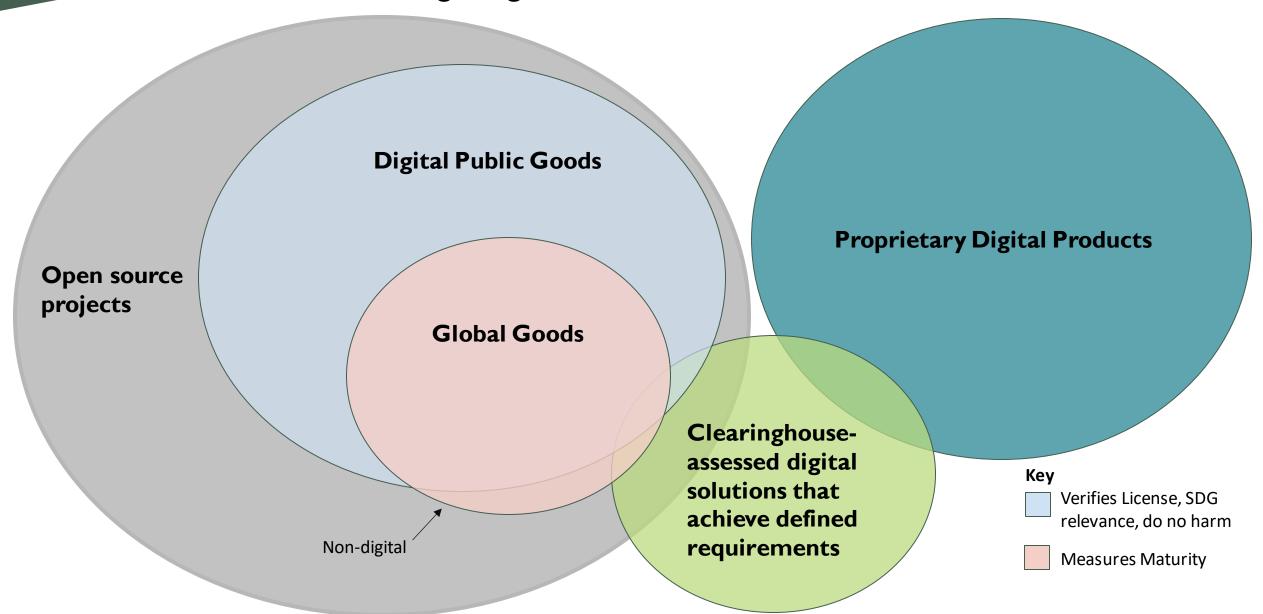
Back-end development to ensure smooth integration with Digital Health Atlas

Enhancing back-end support to process expected high-volume applications

Interactive features to connect MoH users with latest WHO guidance and guidelines



Where we envision going



QUESTIONS? THANK YOU!

How do these "programs" fit together?

Tool is a **Digital Square Approved Global Good**

Not exclusive

products

to open-source

Risk Assessment: health and data

content alignment with Guidelines

Collaboration of processes, mapping, and language used for digital health global goods maturity

> WHO Classifications used to align terminology

Tool is included in the WHO Clearinghouse

Tool is a DPGA **Digital Health CoP Vetted Digital Public Good**

> Tool is included in the **Digital Public Goods** Alliance (DPGA) **Registry of Digital Public Goods**

This Registry also includes:

DPGA Financial Inclusion CoP Vetted Digital Public Good

DPGA Climate Change Adaptation CoP Vetted Digital Public Good

and Data Interoperability Standards; Achieves threshold of performance for use-case the

Tools fall within health domain

Thank you!

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Phases of product discovery?

Questions:

- 1. Can you provide us with a practical example of a common health tool DHIS2 and how your respective organizations would handle it?
- 2. Could you comment more on the distinction your organization is making on "open" software and standards?
- 3. What does it mean to be a digital global good versus being a digital public good?
- 4. How do other resources that already exist? Digital Health Atlas, DIAL's Online catalog fit with your vision?
- 5. How do these tools and resources leverage the Principles for Digital Development?
- 6. How can other groups get engaged?

What does this mean for health digital public goods?

Digital Square, UNICEF and WHO want to streamline processes and make it clear to the digital health community what it means to be approved by each of these organizations.

The organizations want to improve efficiencies through our respective processes, avoiding duplicative review of global goods.

We want to hear from you -

What do you need/want from our organizations as we streamline processes?

What input do you have for us to inform our continued collaboration?

What's next?

- Once global goods are vetted through the DPGA CoP, Digital Square and UNICEF will work together to map global good approval (who is approved where). WHO will list those that achieve clearinghouse criteria.
- Digital Square could host a table on the wiki mapping approvals.
- Potential additions to future versions of the Digital Square Global Goods Guidebook noting where else global goods are approved/vetted.
- Iteration on our processes as we continue to learn and engage.
- UNICEF aligning with Digital Square to prioritize classifications of global goods that are not prevalent in Digital Square notices