

3^E SOMMET GSI SUR LES SOINS DE SANTÉ EN AFRIQUE FRANCOPHONE (2024)



Note de bienvenue

20 août 2024 | 12:00 – 12:15 GMT / 8:00 – 8:15 HAE



USAID
FROM THE AMERICAN PEOPLE



3^E SOMMET GSI SUR LES SOINS DE SANTÉ EN AFRIQUE FRANCOPHONE (2024)

Joshua Kunin-Goldsmith

Directeur de L'ordre d'exécution, GHSC-TA Francophone TO



Josh est le directeur du projet Ordre d'exécution (TO) francophone de l'assistance technique du programme de la chaîne d'approvisionnement de santé mondiale (GHSC-TA). C'est un leader dynamique et polyvalent avec plus de deux décennies d'expérience. Il a développé et dirigé avec succès des projets complexes de coopération internationale avec des budgets combinés de plus de 400 millions de dollars, fournissant des résultats aux bénéficiaires dans les domaines de l'agriculture, de l'éducation, de la gouvernance et de la santé en Afghanistan, au Burkina Faso, en RDC, au Ghana, au Guatemala, en Haïti, en Côte d'Ivoire, au Liban, au Mali, au Nigéria, aux Philippines, en Somalie et au Sénégal. En tant que consultant en gestion, il a apporté à ses clients du secteur privé et public son expertise en matière de gestion du changement, de conception et mise en œuvre de formations, de communication stratégique et de développement organisationnel. Josh parle couramment le français et le créole haïtien et maîtrise l'espagnol.



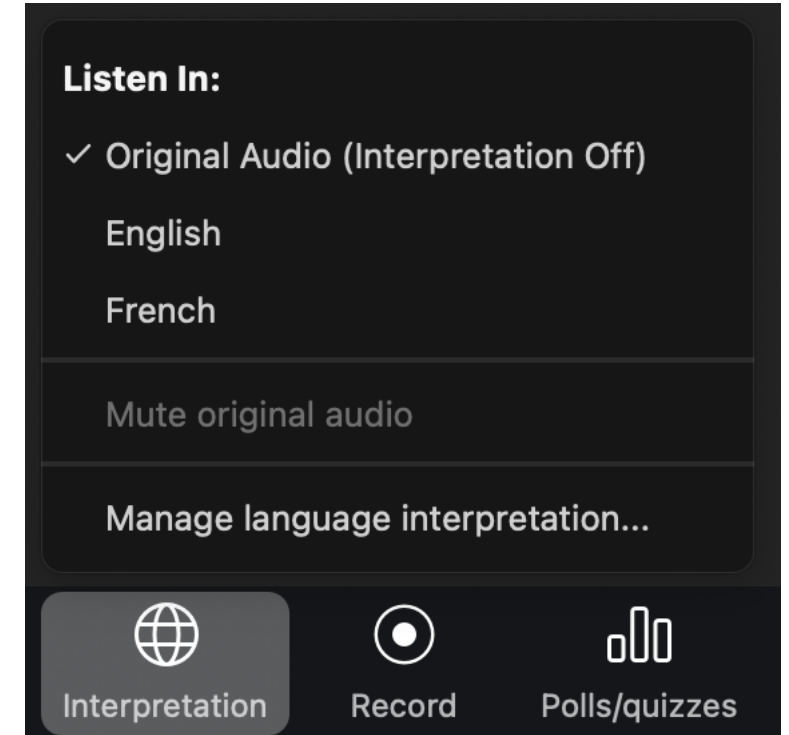
USAID
FROM THE AMERICAN PEOPLE



Bienvenu au 3e Sommet GS1 Francophone

Les chaines d'interprétation Zoom

- Dans la barre de menu située en bas de votre fenêtre Zoom, vous verrez soit une icône de globe intitulée « interprétation », soit une icône de cercle avec 3 points au milieu.
- Si vous voyez le cercle, cliquez dessus et vous verrez apparaître d'autres options. Sélectionnez alors l'icône du globe intitulée «interprétation».
- Choisissez ensuite la langue que vous souhaitez entendre, soit l'anglais, soit le français. Dans cette même liste d'options, dans les préférences d'interprétation, il y a une option pour « couper le son original ». Il est recommandé de sélectionner ce paramètre afin de garantir une meilleure qualité sonore lors de l'utilisation de l'interprétation.



USAID
FROM THE AMERICAN PEOPLE



Les règles d'étiquette du sommet

- Il s'agit d'une session interactive, posez des questions et partagez !
- Utilisez la fonctionnalité de chat pour poser des questions et partager des idées sur le sujet discuté.
- Si vous déposez un commentaire ou une question dans la boîte de chat, veuillez indiquer à qui s'adresse la question ou le commentaire.
- Si vous souhaitez poser votre question à l'oral, utilisez la fonctionnalité « Lever la main » sur Zoom et un modérateur vous invitera à prendre la parole.
- Veuillez éteindre vos caméras et rester en mode « mute » si vous n'avez pas été invité par le modérateur à prendre la parole.
- Utilisez le bouton “réactions” pour partager votre ressenti du moment.



USAID
FROM THE AMERICAN PEOPLE



Présentation des participants et introductions

Dans le chat, veuillez écrire votre :

- Nom
- Titre
- Organisation
- Pays d'origine



USAID
FROM THE AMERICAN PEOPLE



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



Lauren Wright

Health Officer, USAID/Benin

Lauren Wright is a Health Officer with USAID Benin and activity manager for the Global Health Supply Chain Technical Assistance Francophone Task Order activity. She is a registered dietitian by training and has worked in maternal and child health, nutrition, malaria, supply chain, and cash and voucher programming. She has worked across Rwanda, Cameroon, Ethiopia, and Benin. She has a MSc in nutrition from Winthrop University.



USAID
FROM THE AMERICAN PEOPLE



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



Renaud de Barbuat

CEO, GS1 Global Office

Renaud is a seasoned executive with more than 30 years' experience in driving digital transformation in global large-scale companies from different sectors. As the leader of GS1, Renaud has the ambition to build on the success of the past 50 years that led to broad adoption of the GS1 Standards to better serve industries in their digital transformation journey to ultimately benefit consumers and patients.



USAID
FROM THE AMERICAN PEOPLE



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



Carl Leitner

Technical Officer, WHO Digital Health and Innovation

Carl Leitner is the Technical Officer for Architecture and Informatics for WHO's Digital Health and Innovation team working on the SMART Guidelines approach. He has worked for over fifteen years in global digital health including the development and support to open-source digital health tools and standard development across a range of business domains in support of clinical health, public health and health system information needs.

3^E SOMMET GSI SUR LES SOINS DE SANTÉ EN AFRIQUE FRANCOPHONE (2024)



Présentation des participants et introduction au 3^e Sommet
20 août 2024 | 12:15 – 12:35 GMT / 8:15 – 8:35 HAE



USAID
FROM THE AMERICAN PEOPLE



3^E SOMMET GSI SUR LES SOINS DE SANTÉ EN AFRIQUE FRANCOPHONE (2024)



Joshua Kunin-Goldsmith

Directeur de L'ordre d'exécution, GHSC-TA Francophone TO

Josh est le directeur du projet Ordre d'exécution (TO) francophone de l'assistance technique du programme de la chaîne d'approvisionnement de santé mondiale (GHSC-TA). C'est un leader dynamique et polyvalent avec plus de deux décennies d'expérience. Il a développé et dirigé avec succès des projets complexes de coopération internationale avec des budgets combinés de plus de 400 millions de dollars, fournissant des résultats aux bénéficiaires dans les domaines de l'agriculture, de l'éducation, de la gouvernance et de la santé en Afghanistan, au Burkina Faso, en RDC, au Ghana, au Guatemala, en Haïti, en Côte d'Ivoire, au Liban, au Mali, au Nigéria, aux Philippines, en Somalie et au Sénégal. En tant que consultant en gestion, il a apporté à ses clients du secteur privé et public son expertise en matière de gestion du changement, de conception et mise en œuvre de formations, de communication stratégique et de développement organisationnel. Josh parle couramment le français et le créole haïtien et maîtrise l'espagnol.



USAID
FROM THE AMERICAN PEOPLE



Evolution du Sommet GS1 - Chronologie



USAID
FROM THE AMERICAN PEOPLE



Série webinaire en trois parties



The Global Language of Business

Série de webinaires pour l'Afrique francophone pour accroître la sensibilisation aux normes GS1 pour les soins de santé

Webinaire 1: Une introduction à GS1

30 Juin 2020



USAID
FROM THE AMERICAN PEOPLE



1^{er} Sommet GS1 sur les soins de santé en Afrique Francophone

**Juillet
2020**

Organisation d'une
série de webinaires
GS1 en trois parties

**Mai
2022**

Organisation du 1^{er}
Sommet GS1 en
Afrique
Francophone

**Juillet
2023**

Organisation du 2^e
Sommet GS1 en
Afrique
Francophone



**23 pays
Africains**

The image shows a poster for the '2022 FRANCOPHONE AFRICA GS1 HEALTHCARE SUMMIT' held from May 10-12, 2022. Below the poster is a detailed agenda for Day 01 (May 10, 2022).

**2022 FRANCOPHONE AFRICA
GS1 HEALTHCARE SUMMIT**

May 10 - 12, 2022

The Francophone Africa GS1 Healthcare Summit is a 3-day virtual event hosted by the GS1 Global Office and the USAID Global Health Supply Chain Technical Assistance Francophone Task Order (GHSC-TA Francophone TO). During this event, Ministry of Health representatives from Francophone countries in West and Central Africa will learn about global standards (GS1) to work toward the betterment of patient safety, supply chain security and efficiency. Additionally, selected governments will present their experiences and progress implementing various foundational activities for GS1 adoption and use.

DAY 01 May 10, 2022

Setting the stage and laying the foundation

Time	Topic	Format
12:00 - 12:15 GMT 8:00 - 8:15 EDT	Welcome Note	Virtual
12:15 - 12:30 GMT 8:15 - 8:30 EDT	Participant introductions	Virtual
12:30 - 12:50 GMT 8:30 - 8:50 EDT	Introduction to global standards Short introduction to global standards, including who and what is GS1, role of the GS1, the different GS1 components applicable to the healthcare (Identify, Capture, Share). Presenter: Genevieve Lissolde Bonnet (GS1 Global Office)	Virtual
12:50 - 13:10 GMT 8:50 - 9:10 EDT	Global perspectives on traceability in health sector • What is traceability? • What is the recommended approach for traceability? • Traceability policy paper Presenter: Anita Sando (WHO)	Virtual

Logos for USAID and GS1 are at the bottom.



**71 représentants de
gouvernements**



USAID
FROM THE AMERICAN PEOPLE



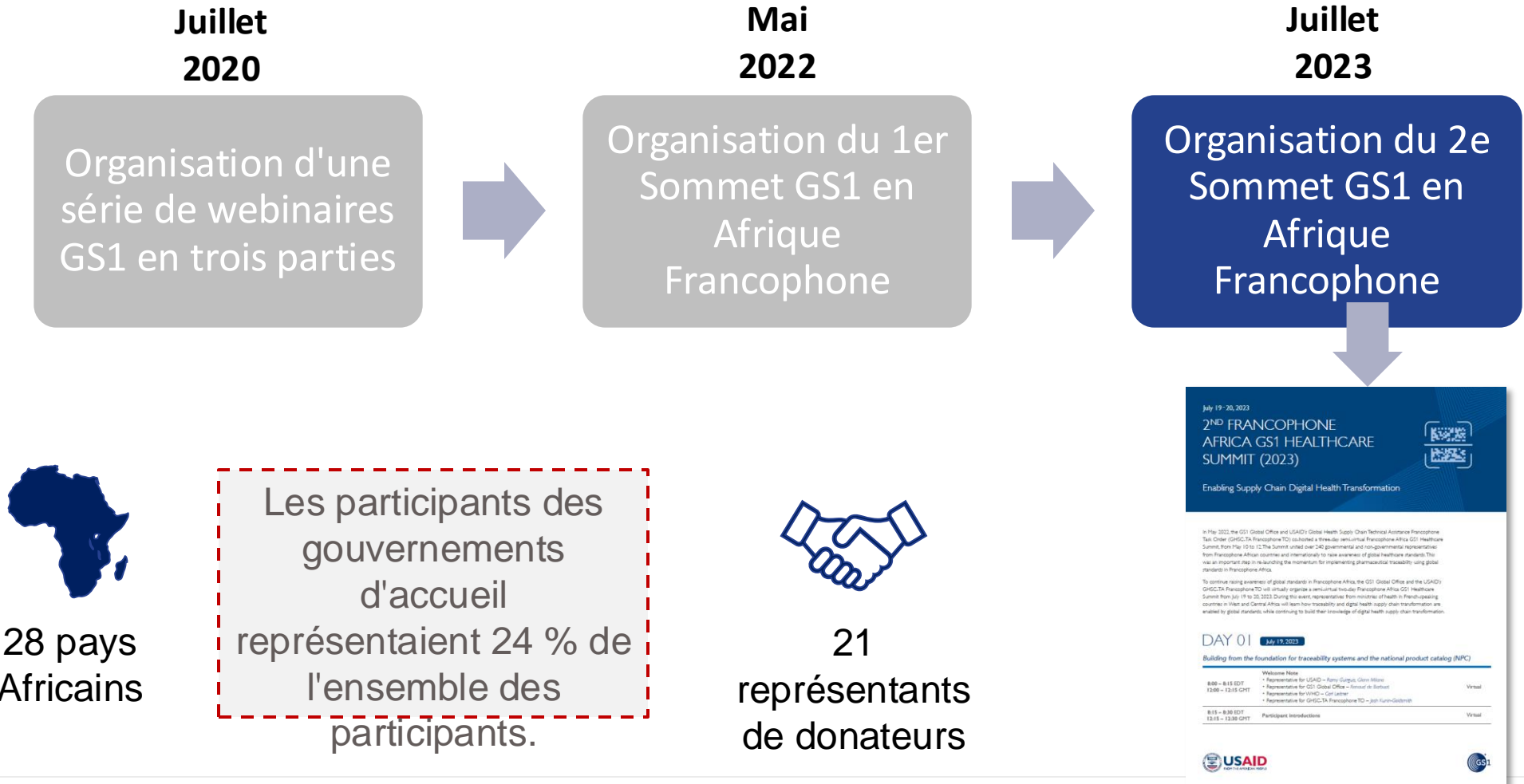
Au cours du Sommet francophone de GS1 en 2022, les parties prenantes d'Afrique francophone ont démontré que la traçabilité est un processus continu qui nécessite **la collaboration et l'engagement des parties prenantes** pour mettre en œuvre les normes de GS1.



“In just 2.5 years, Nigeria has gone from launching the Traceability Implementation Plan to implementing traceability for COVID-19 vaccines and even started mentoring other countries their traceability implementation”, a message of collaboration and learning from each other. - Moji Christianah Adayeye, General Director, NAFDAC Nigeria

“ Si vous devez retenir une chose de ces trois jours, c'est l'idée de collaborer, apprendre de bonnes pratiques des autres pays en Afrique et dans le monde entier parce que les standards GS1 sont des standards mondiaux, et d'aider et s'entraider” - Géraldine Lissalde Bonnet

2e Sommet GS1 sur les soins de santé en Afrique Francophone



USAID
FROM THE AMERICAN PEOPLE



Réalisations déjà accomplis

Les pays francophones d'Afrique de l'Ouest et du Centre

- **Benin:** le projet soutien la vision du ePharmacie du gouvernement. Le gouvernement a demandé au projet de soutenir la numérisation des procédures d'enregistrement des produits et le développement d'un catalogue national des produits.
- **Burkina Faso:** premières discussions entre le projet et PROPHARM (fabricant privé local) pour intégrer les normes mondiales dans la chaîne de production.
- **Togo:** soutien du projet au gouvernement pour l'examen de la stratégie de traçabilité pharmaceutique et du rapport de faisabilité. Le gouvernement a demandé que le projet soutienne un atelier d'engagement des parties prenantes dans le pays au cours de FY24.
- **RDC:** demande du gouvernement pour un projet visant à soutenir l'atelier d'engagement des parties prenantes dans le pays au cours de FY24.
- **Niger, Senegal:** le projet à invité des représentants clés de la CMS et des autorités réglementaires pour en savoir plus sur la transformation numérique de la chaîne d'approvisionnement de la santé et la traçabilité des produits.



USAID
FROM THE AMERICAN PEOPLE



3^e Sommet GS1 sur les soins de santé en Afrique Francophone

- AGENDA

Préparer le terrain pour le sommet de cette année et passer en revue ce que nous avons conclu l'année dernière.

Jour 1 : Présenter la traçabilité comme faisant partie de l'écosystème plus vaste de la chaîne d'approvisionnement numérique en matière de la santé.

- Session 1: Introduction à des perspectives sur la traçabilité dans l'écosystème de la chaîne d'approvisionnement numérique en santé.
- Session 2: Comprendre comment les industries en Afrique prennent des mesures pour évoluer vers la traçabilité : Voix des représentants des industries en Afrique.



USAID
FROM THE AMERICAN PEOPLE



3^e Sommet GS1 sur les soins de santé en Afrique Francophone

- AGENDA

Mettre l'accent sur les progrès réalisés par les pays en matière de traçabilité.

Jour 2 : Progrès réalisés par les pays pour intégrer la traçabilité dans l'écosystème plus vaste de la chaîne d'approvisionnement numérique en santé.

- Partie1: Construire les bases d'un système de traçabilité pharmaceutique dans le pays
- Partie 2: Construire les bases d'un système de traçabilité pharmaceutique dans le pays (adeptes précoces).



USAID
FROM THE AMERICAN PEOPLE



3^e Sommet GS1 sur les soins de santé en Afrique Francophone

- AGENDA

Réfléchir à la voie à suivre et à la manière d'évoluer vers la traçabilité. Le contenu abordera les principaux cas d'utilisation de la traçabilité, notamment la divergence, la contrefaçon et l'efficacité de la chaîne d'approvisionnement obtenue grâce aux codes-barres.

Jour 3 : Progrès réalisés par les pays pour intégrer la traçabilité dans l'écosystème plus vaste de la chaîne d'approvisionnement numérique en santé.

- Session 1: Présentation des initiatives mondiales et des ressources disponibles
- pour le développement de stratégies de traçabilité efficaces.
- Session 2: Un panel de discussion sur les stratégies de traçabilité pour travailler
- ensemble à travers les différents paliers (mondial, régional et national).



USAID
FROM THE AMERICAN PEOPLE



3RD FRANCOPHONE AFRICA GS1 HEALTHCARE SUMMIT (2024)



Introducing perspectives on traceability in the digital health supply chain ecosystem: A conversation with USAID, GS1, and WHO

August 20, 2024 | 8:35 – 9:35 am EST / 12:35 – 1:35 pm GMT



USAID
FROM THE AMERICAN PEOPLE



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



Ramy Guirguis

Senior Information Technology Advisor USAID/GHTASC

Dr. Guirguis holds a Ph.D, M.Sc., and B.Sc. in Computer and System Engineering. In his current role, he advises countries with respect to the automation of their national-level public health supply chain systems. He provides oversight to USAID's global MIS systems for supply chain. He has over 30 years of professional experience in ICT and contributed to the transformation and modernization of several large enterprises and government agencies spanning many diverse sectors including telecommunications, financial, health, defense and development sectors for both public and private sectors in the USA and internationally. Dr. Guirguis is an Adjunct Professor at Georgetown, authored & co-authored several patents, presented/published at several international conferences.



USAID
FROM THE AMERICAN PEOPLE





Geraldine Lissalde Bonnet

Vice-President Healthcare, GS1 Global Office



Mrs. Bonnet leads the GS1 Healthcare team at the GS1 Global Office.

She works with colleagues around the world to enhance patient safety and supply chain efficiencies globally through the use of GS1 standards for AIDC (Automatic Identification and Data Capture), data synchronisation and traceability.

Prior to her current tenure, she led the GS1 Healthcare Global Public Policy Work Team for ten years. A lawyer by training, she started her career in the private sector, complemented by several years in the European Commission, in the Directorate-General for Health and Consumers.

She is an executive Board Member of the Fight the Fake Alliance.



USAID
FROM THE AMERICAN PEOPLE



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



Carl Leitner

Technical Officer, WHO Digital Health and Innovation

Carl Leitner is the Technical Officer for Architecture and Informatics for WHO's Digital Health and Innovation team working on the SMART Guidelines approach. He has worked for over fifteen years in global digital health including the development and support to open-source digital health tools and standard development across a range of business domains in support of clinical health, public health and health system information needs.

3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



Simplicie Takoubo Kamdem

Senior Health Systems Strengthening and Policy Advisor at USAID/West Africa Regional Health Office

Simplicie provides technical advice, management and administrative support to projects and programs in the portfolio which involve commodity security and logistics management and health systems strengthening (HSS), especially with respect to HIV, FP/RH. He helps design, manage, monitor, and evaluate such activities, and provides input into USAID planning and reporting documentation. Simplicie serves as Activity Manager for several activities, including the Global Health Supply Chain suite of programs (Procurement, TA); the Health Systems Strengthening Accelerator (HSSA) and PROPEL Health. Simplicie manages HSS technical assistance support for several countries in the sub-region in need technical assistance from the regional health office including Benin, Burkina Faso, Cameroon, Côte d'Ivoire, Mauritania and Togo. Simplicie also served as the HSS Team Lead for USAID Côte d'Ivoire. Since he joined USAID in 2008, his previous roles Simplicie has contributed to Supply Chain Strengthening, Commodities Logistics Management in Benin, and Cote d'Ivoire. He has worked on PEPFAR, PMI, MCH and FP programs.

Simplicie is an alumnus from the Health Systems Strengthening International Program of the Harvard T.H. Chan School of Public Health in Boston, USA. He completed a Master of Advanced Studies in Humanitarian Logistics Management from the University of Lugano in Switzerland. He also holds a master's in financial management from Catholic University of Central Africa in Yaoundé, Cameroon.



USAID
FROM THE AMERICAN PEOPLE



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



Swaroop Jayaprakash

Digital Supply Chain Consultant

In his 22+ years of experience in IT Swaroop has designed & implemented large scale supply chain management systems for customers in retail, distribution, telecom & manufacturing. He helped design & implement ARTMIS application that facilitates procurement & distribution for USAID GHSC-PSM program. He developed the Supply Chain Information Systems Maturity Model (SCISMM) in collaboration with USAID, to help countries assess supply chain information system capabilities. He is currently helping develop WHO guidance handbooks for digital health supply chain architecture and product catalogues.

3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



Josh-Kunin Goldsmith

Task Order Director, GHSC-TA Francophone Task Order

Josh is the GHSC-TA Francophone Task Order Director. He is a dynamic, versatile, and proven leader with more than two decades of experience. He brings expertise in project management, technical assistance, communications, and business development. He has successfully developed and led complex international development projects with combined budgets over \$400 million, delivering results to beneficiaries in agriculture, education, governance, health focused on Afghanistan, Burkina Faso, the DRC, Ghana, Guatemala, Haiti, Ivory Coast, Lebanon, Mali, Nigeria, Philippines, Somalia, and Senegal. As a management consultant, he provided both private and public sector clients with expertise related to change management, training design and delivery, strategic communication, and organizational development. Josh is fluent in French and Haitian Creole, and proficient in Spanish.



USAID
FROM THE AMERICAN PEOPLE



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



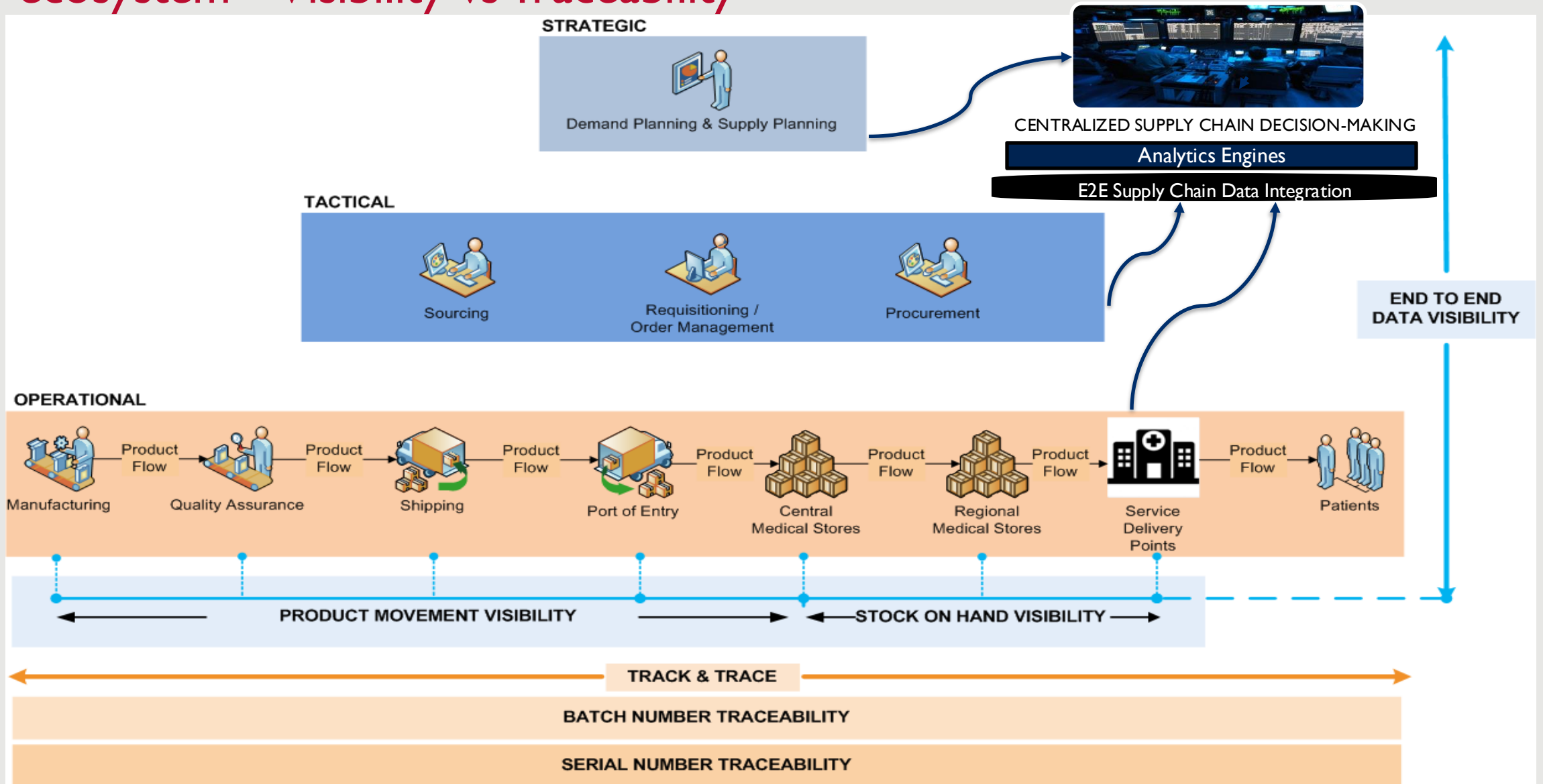
Perspectives on traceability in the digital health supply chain
ecosystem



USAID
FROM THE AMERICAN PEOPLE

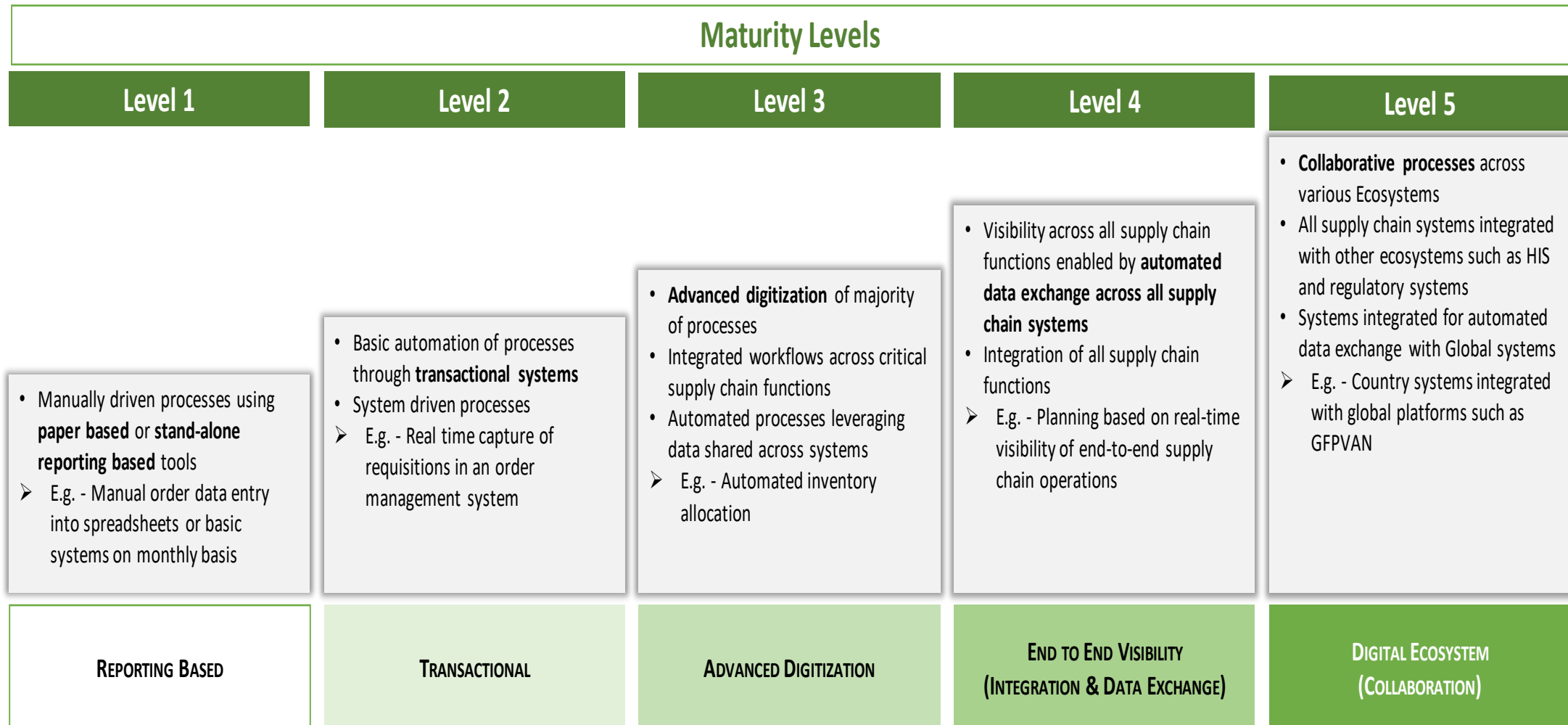


Perspectives on traceability in the digital health supply chain ecosystem – Visibility vs Traceability



Perspectives on traceability in the digital health supply chain eco-system

Digital Health Supply Chain Maturity Levels



Perspectives on traceability in the digital health supply chain ecosystem

What is Digital Health eco-system?



- **ecosystem**, the complex of living organisms, their physical environment, and all their interrelationships in a particular unit of space. – *Encyclopedia Britannica*
- A **digital ecosystem** is a distributed, adaptive, open socio-technical system with properties of self-organization, scalability and sustainability inspired from natural ecosystems. Digital ecosystem models are informed by knowledge of natural ecosystems, especially for aspects related to competition and collaboration among diverse entities – *Wikipedia*
- We define an ecosystem as a set of capabilities and services that integrate value chain participants (customers, suppliers, and platform and service providers) through a common commercial model and virtual data backbone (enabled by seamless data capture, management, and exchange) to create improved and efficient consumer and stakeholder experiences, and to solve significant pain points or inefficiencies. *The next wave of healthcare innovation: The evolution of ecosystems- McKinsey*
- Growing accelerating digital transformation through:
 - Connecting manufactures, donors, countries, and patient
 - Connecting strategy, people, process, governance, policy
 - Connecting regulatory, supply chain, health, insurance, financial information systems

3RD FRANCOPHONE AFRICA GS1 HEALTHCARE SUMMIT (2024)



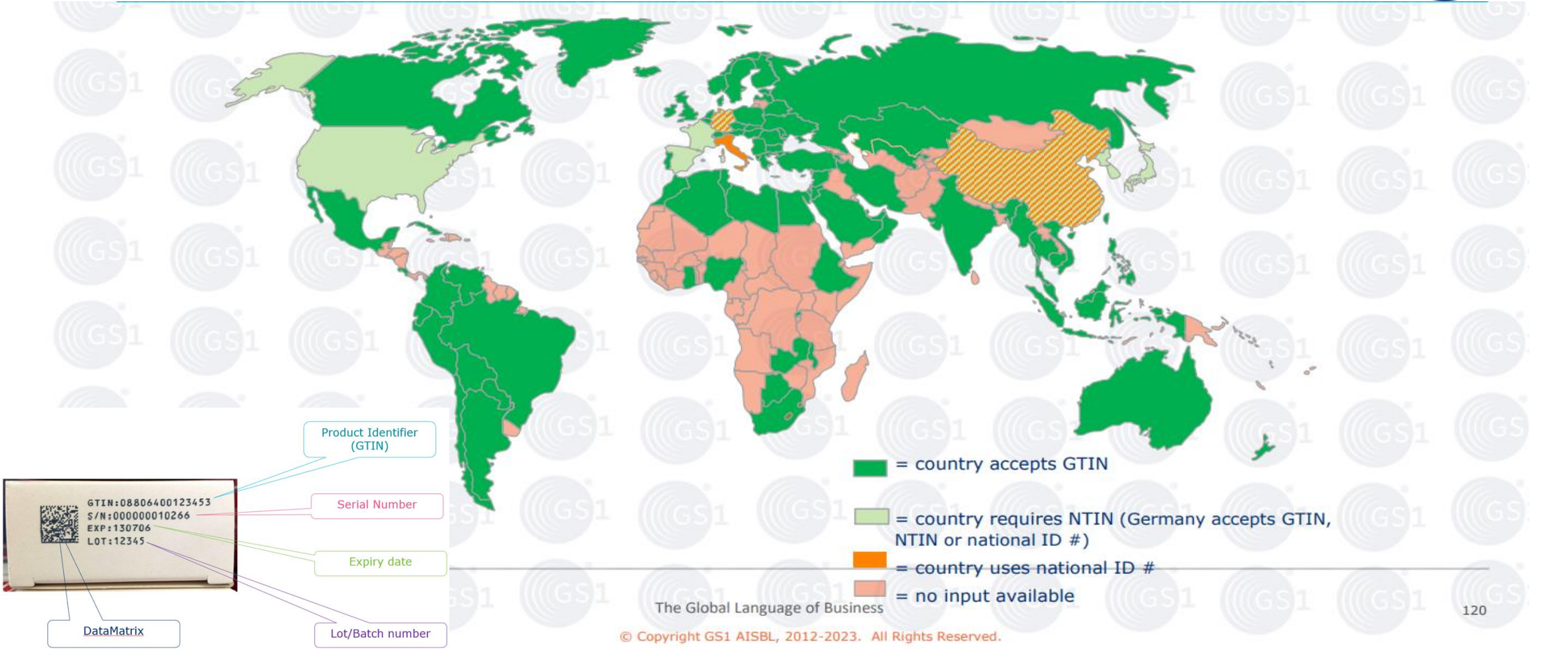
How GS1 Standards Enable Digital Health Supply Chain



USAID
FROM THE AMERICAN PEOPLE



Identification of pharmaceuticals



Global framework for visibility... Step by step



LEGO®



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



Introducing perspectives on traceability in the digital health
supply chain ecosystem - WHO



USAID
FROM THE AMERICAN PEOPLE



Digital tools can help facilitate the adoption and integration process, but if done inappropriately, can lead to questionable results



WHO develops guidelines using global evidence base.



Ministry of Health adapts global guidance into national policy, procedures, protocols, and data requirements.



Technology partners translate national policies into digital solutions.



Health workforce delivers health services and conducts reporting according to national policies.

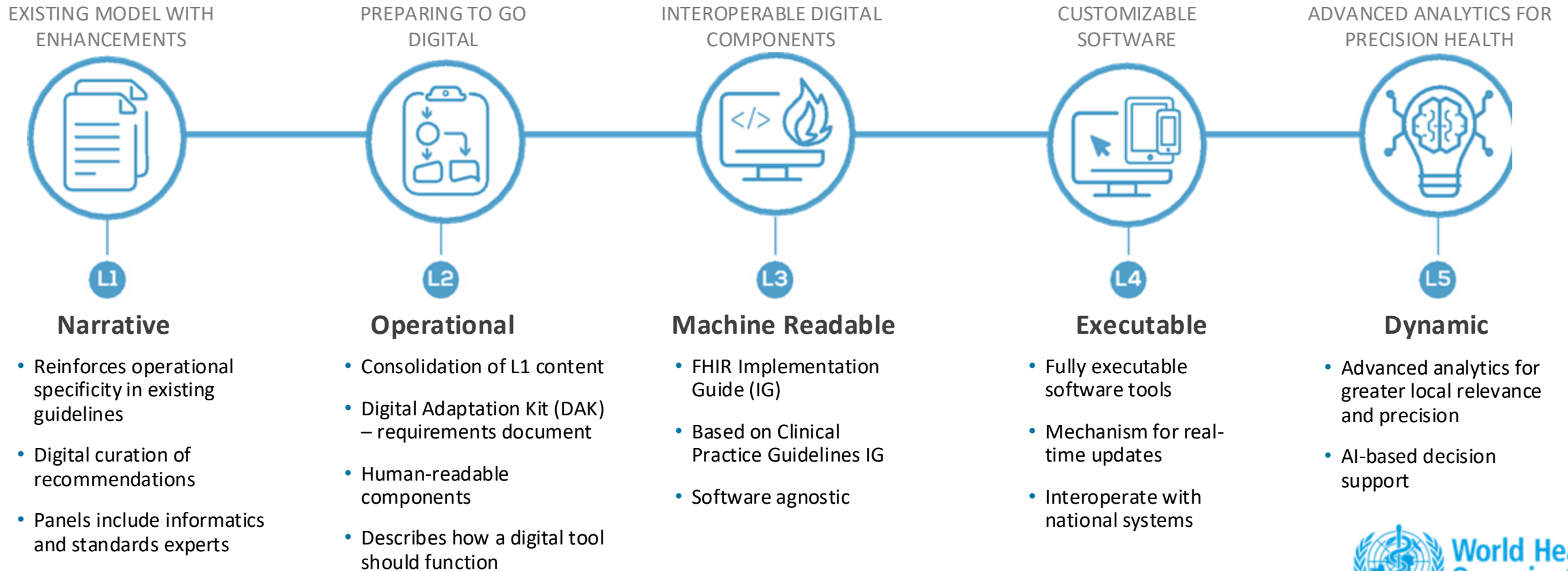


Health service users access person-centered care according to national policies

- **Varying quality of data collected**
- **Difficult to operationalize** intentionally vague guideline content into digital systems with fidelity
- Infrequently digitized with **interoperability standards**, and **architectural good practice**, leading to siloed systems
- “**Black box**” digital systems become **difficult to maintain** sustainably in the long-term
- **Lack of documentation** for existing apps making it difficult to adapt

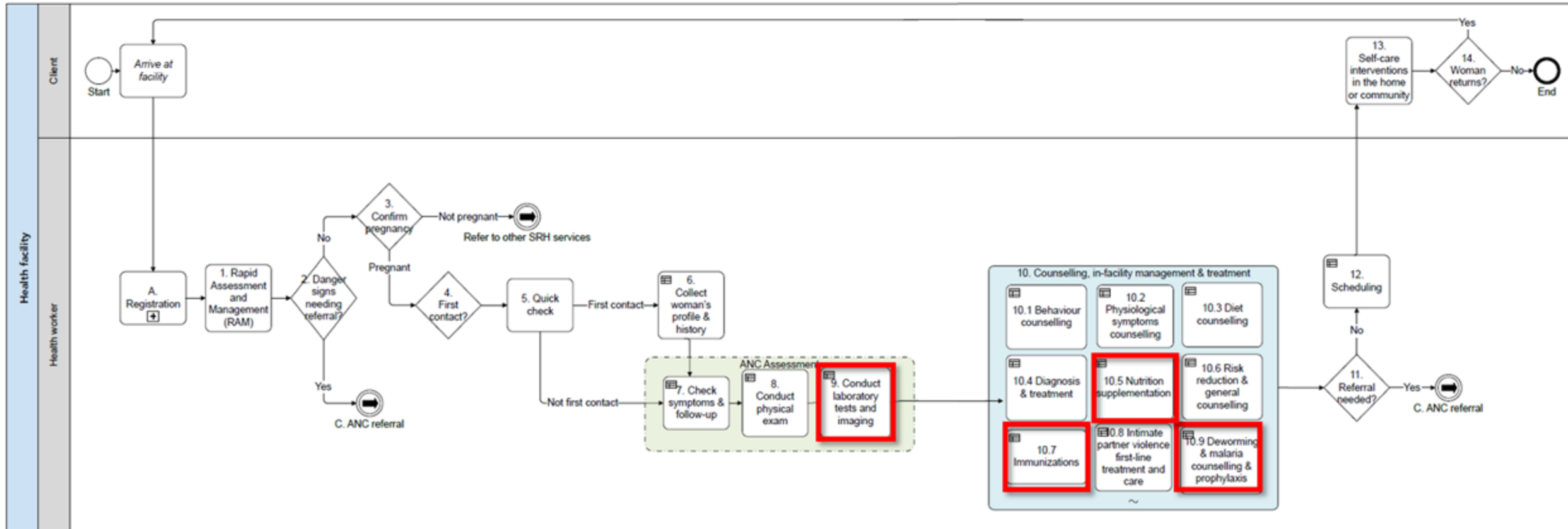
SMART Guidelines are a new approach to representing WHO content as digital health components to preserve fidelity and accelerate uptake

Standards-based, **Machine Readable**, **Adaptive**, **Requirements-based**, **Testable**



Intersection of digital health and supply chain

ANC Consultation workflow



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



Perspectives of the Visibility Family Planning Ecosystem in
West Africa (GFPVAN) - WARO



USAID
FROM THE AMERICAN PEOPLE





Source: Reproductive Health Supplies Coalition

Need for Improved Upstream Data Visibility

Upstream Supply Chain Visibility Evolution

Past State



RH Interchange

CARhs work stream

PPMR

FP Mkt
Report

CSP work stream and CSP Tool

Current and Future State



Source: Reproductive Health Supplies Coalition



USAID
FROM THE AMERICAN PEOPLE



Regional Supply Chain Data Visibility Committee

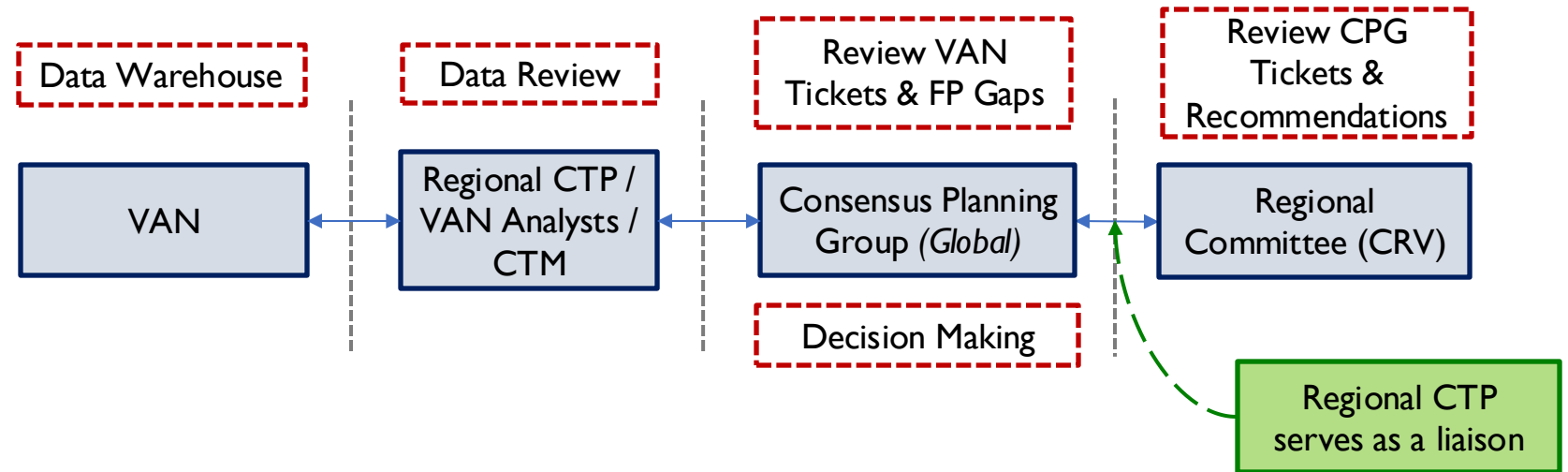
Overview of the Regional Approach

Who do we involve in the Regional Committee?

- Active procurers in the region

Regional Committee Composition, Role, Responsibilities

- Strategic advocates
- Benefit from review of data in the VAN
- Provide insight to CPG recommendations & support country engagement to VAN



USAID
FROM THE AMERICAN PEOPLE





Early Warning System (or SAP)



Objectifs :

*Améliorer la sécurité
contraceptive au niveau des
pays;*

*Sensibiliser à l'état des stock
de contraceptifs;*

*Encourager la
responsabilisation à la fois
des donateurs et des pays
pour faire le suivi de l'état
des stocks.*

1

Rapport de Planification et de Suivi des Approvisionnement (RSP/PPMR)

Fournit des informations sur les niveaux de stocks et de
livraisons de produits des deux secteurs



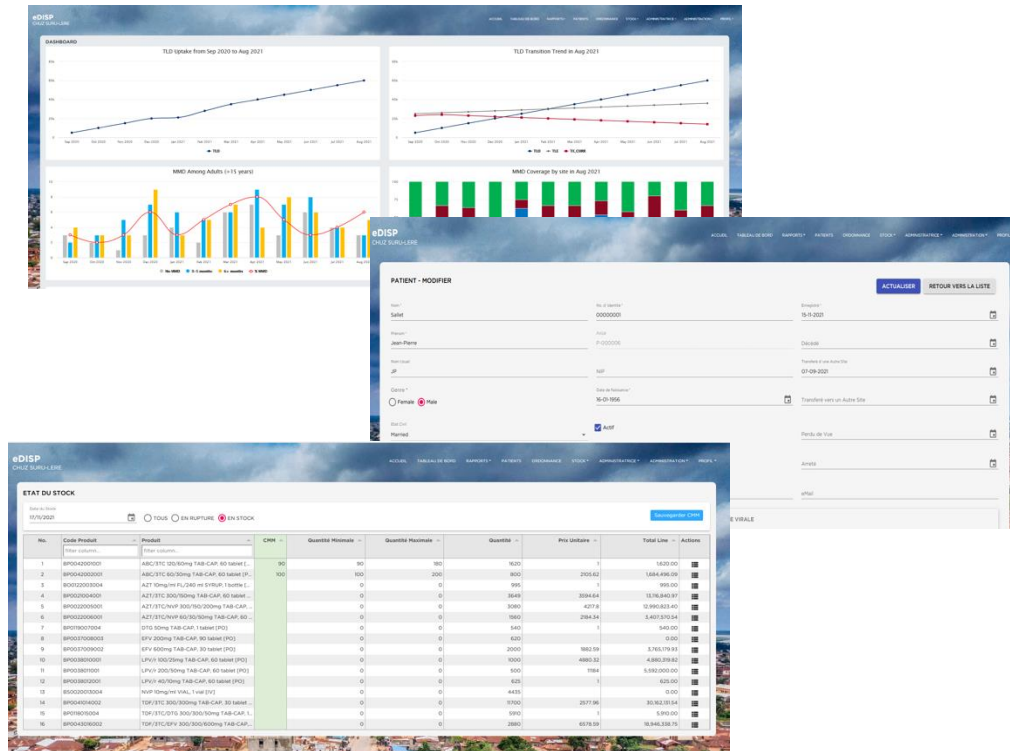
2

Groupe d'Assistance Coordonnée (ACP/CARhs)

Utilise les informations fournies dans le RSP pour
prendre des décision importantes

Downstream Data Visibility in West Africa - eDISP in Benin

An Integrated electronic system for inventory, management and dispensing of HIV-AIDS commodities to PLHIV



- eDISP **strengthens the SC management** of health commodities in the context of HIV care in Benin.
- Improves the **visibility and quality** of data related to HIV commodities management.
- Improves the **timeliness of decision-making** in the management of health commodities in the context of HIV care in Benin.

What can we do with eDISP?

Identification data

Tracking data

Generate logistic reports

Generate TX_CURR reports

Manage commodities

Establish the prescriptions

Place Order (Facilities)

Receive commodities



USAID
FROM THE AMERICAN PEOPLE



Downstream Data Visibility in West Africa – EDTWeb Togo

An electronic dispensing tool has been developed for efficient management of patient files, providing visibility of stock levels at each dispensing site.

- EDTWeb is **interoperable** with DHIS2 and enhances data collection, facilitating decision-making based on complete information.
- With EDTWEB, dispensers benefit from a complete tool with an **intuitive interface** and an **easy-to-use application** available in both online and offline versions for tracking patient treatments and managing stock.
- Integration with DHIS2 **enhances epidemiological surveillance** and facilitates strategic planning of healthcare programs.

EDTWEB is a major step forward in modernizing electronic dispensing and improving the quality of healthcare by providing data visibility and optimal coordination between dispensing sites and the central level.

The image displays three overlapping screenshots of the EDTWeb application interface. The top screenshot shows a 'Composition du produit' (Product Composition) form with fields for 'Nom du produit', 'Code', 'Service', 'Programme', 'Type de produit', 'Forme du produit', 'Unités', 'Catégorie', 'Sous-catégorie', 'Spécifications techniques', and 'ACTIF'. Below this is a table for 'Composition du produit' with columns for 'Nom générique', 'Dosage', and a status indicator. The middle screenshot shows a user management form with fields for 'Nom et prénoms', 'Pseudo', 'Mot de passe', 'Rôle', 'Activé', and 'Accès au site'. The bottom screenshot shows the 'Ajouter Utilisateur' (Add User) screen with fields for 'Nom et prénoms', 'Pseudo', 'Mot de passe', 'Rôle', 'Activé', and 'Accès au site'. A blue dashed box in the center contains the text: 'EDTWeb Features: Patient and record management, Electronic product dispensing, Product management, Report generation, Data synchronization and restoration'.



USAID
FROM THE AMERICAN PEOPLE



3^E SOMMET GSI SUR LES SOINS DE SANTÉ EN AFRIQUE FRANCOPHONE (2024)



Comprendre comment les industries en Afrique prennent des mesures pour évoluer vers la traçabilité : Voix des représentants des industries en Afrique
20 août 2024 | 13:45 – 14:50 GMT / 9:45 – 10:50 HAE



USAID
FROM THE AMERICAN PEOPLE



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



Dah El Hadj Sidi

Technical Director, GHSC-TA Francophone Task Order

Dr. Dah El Hadj Sidi is a specialist in health commodity management with more than 20 years of experience in the management of essential drugs, pharmaceutical systems and policies, and logistics and supply chain management. Currently, Dr. El Hadj Sidi serves as a technical director at Chemonics' Global Health Division. As a previous senior procurement and supply chain management technical manager for the Grant Management Solutions project, he supported both the Global Fund Principal Recipients (PR) and the Countries Coordinating Mechanism (CCM) to ensure timely and appropriate execution of technical assistance in more than 61 countries. Over eight years, Dr. El Hadj Sidi has served as a technical adviser in Mauritania's Ministry of Health as well as a deputy general director of the country's Central Medical Stores (CAMEC). He holds a medical degree in pharmacy from the Faculty of Pharmacy of Monastir, Tunisia.



USAID
FROM THE AMERICAN PEOPLE



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



Merryl Riley

Project Manager – National Bioproducts Institute (NBI)

Merryl has been involved with NBI since 1994 when it was registered as a Pharmaceutical company.

She has held different roles in Quality, Pharmaceutical Manufacturing and Logistics and Planning.

More recently her role as Project Manager has seen her manage a number of projects relating to modernization, capacity and compliance.

Merryl is a Pharmacist registered with the South African Pharmacy Council.



USAID
FROM THE AMERICAN PEOPLE



3^E SOMMET GSI SUR LES SOINS DE SANTÉ EN AFRIQUE FRANCOPHONE (2024)



Ibrahim W. Kabore

Technical Director – Head Pharmacist, PROPHARM SA

Ibrahim a rejoint en janvier 2020, PROPHARM à ses débuts dans la production de médicaments génériques. Son rôle principal au sein du pôle Pharmaceutique de PROPHARM a été d'abord de planifier et piloter au quotidien la production des lots de produits fabriqués par PROPHARM.

Depuis Janvier 2024, Ibrahim assure le rôle Pharmacien Responsable de notre entreprise Pharmaceutique et occupe le poste de Directeur Technique pour le pôle Pharmaceutique de l'entreprise. Il coordonne au quotidien les activités des équipes techniques, implémente et suit la traçabilité des produits fabriqués afin de permettre la fiabilité et l'identification claire des produits par le patient.

Ibrahim est Pharmacien inscrit à l'Ordre National des Pharmaciens du Burkina Faso. Ibrahim est également Lead Auditor certifié pour la norme ISO 9001:2015.



USAID
FROM THE AMERICAN PEOPLE



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)



John M. Mwangi

Head, Regulatory Affairs

John currently works at Bayer as Head, Regulatory Affairs responsible for East & West Central Africa Region based in Kenya and doubling up as Regulatory Policy & Science Lead for EEMEA Region. He has previously held different roles in Pharmacovigilance and Quality Control within the Pharmaceutical Industry. He has been an active member of several industry associations including KAPI (Kenya Association of Pharmaceutical Industry) where he continues to serve in various committees within KAPI and as a Board Member.

John is passionate about supporting the streamline of Pharmaceutical Regulatory Systems & Policy and is currently a member of the Africa Regulatory Network (ARN) within the IFPMA (International Federation of Pharmaceutical Manufacturers and Associations) where he is the past co-chair.



USAID
FROM THE AMERICAN PEOPLE



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)

TRACK and TRACE at National Bioproducts Institute



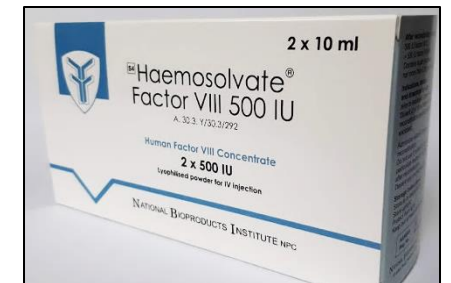
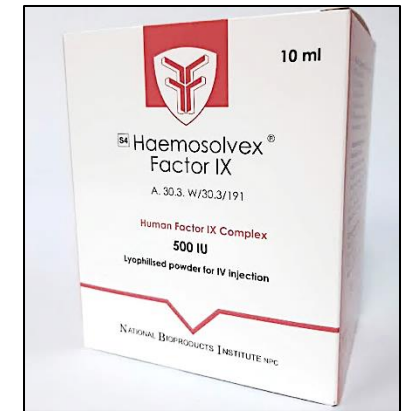
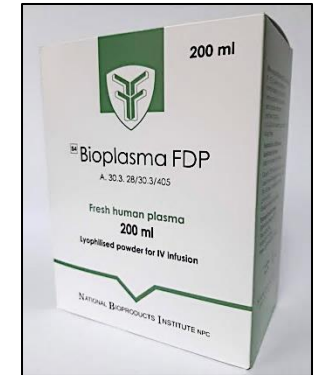
USAID
FROM THE AMERICAN PEOPLE



TRACK and TRACE at National Bioproducts Institute

Background

- NBI
 - Private non-profit pharmaceutical company
 - Manufacture human plasma derived medicinal products (PDMP's) for IV and IM administration
- 2017 - Department of Health
 - Proposed phased implementation of GTIN-14 data-matrix barcodes
- April 2024 – SAHPRA (South African Health Products Regulatory Authority)
 - Guideline on traceability of all Health Products
 - GSI standards



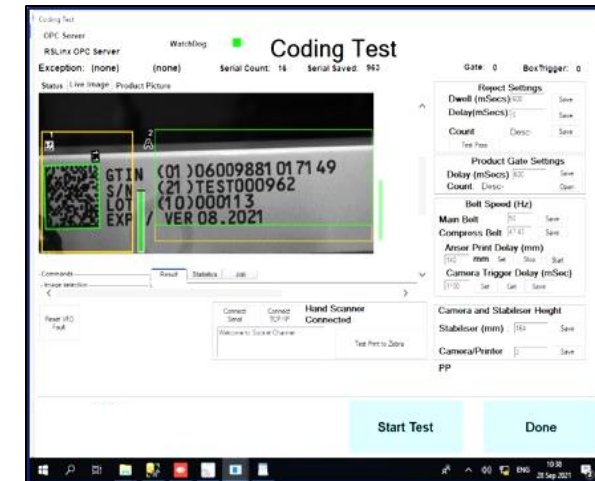
USAID
FROM THE AMERICAN PEOPLE



TRACK and TRACE at National Bioproducts Institute

NBI approach

- Cost: turnkey solution unrealistic
- Partnership with South African company
- Phase 1
 - Prototype
 - Overprinting secondary container and aggregation in tertiary shipper
- Phase 2
 - Additional track and trace lines
 - Integration into the warehouse for dispatch of logistics units

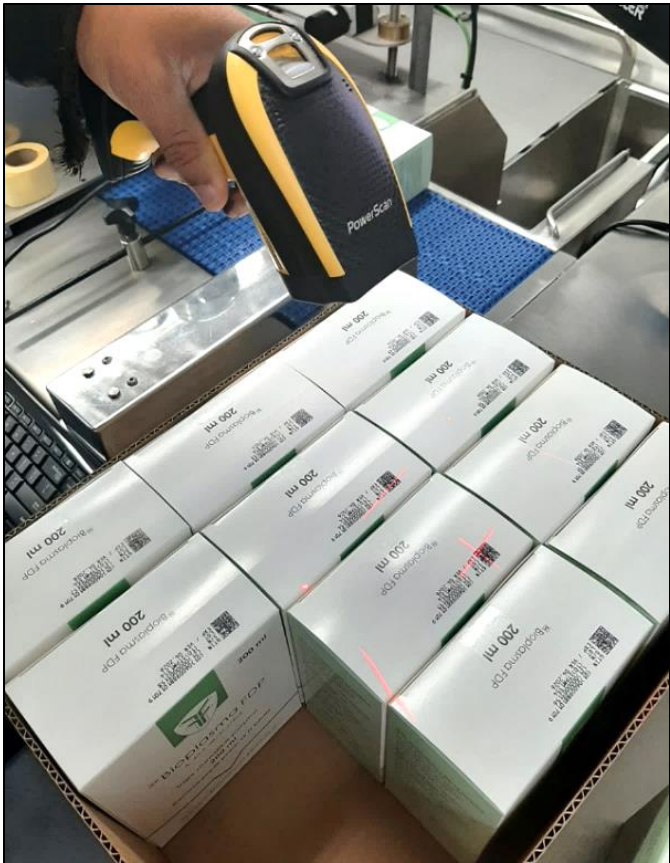


USAID
FROM THE AMERICAN PEOPLE



TRACK and TRACE at National Bioproducts Institute

Prototype



USAID
FROM THE AMERICAN PEOPLE



TRACK and TRACE at National Bioproducts Institute

Practicalities

- Understand GSI and local authority guidelines
- Understand own product hierarchy
- Understand trading partner needs
- Integration into existing packing process
- Functional and design specification
- Overprinted information
- Validation
- Challenges



USAID
FROM THE AMERICAN PEOPLE



3^E SOMMET GSI SUR LES SOINS DE SANTÉ EN AFRIQUE FRANCOPHONE (2024)

Identification, Traçabilité à PROPHARM



USAID
FROM THE AMERICAN PEOPLE



Identification, Traçabilité à PROPHARM

Historique

- PROPHARM
 - Première entreprise pharmaceutique locale au Burkina Faso (Afrique de l'Ouest)
 - Industrie privée créée en 2018 fabriquant des médicaments génériques : formes sèches orales solides
- 2023 – Début de l'implémentation des Standards GS1
 - Affiliation à GS1 Côte d'Ivoire
 - Utilisation de code à barre GTIN (EAN-13) pour chacun de nos produits
 - Autorisation de mise sur le marché pour nos produits
 - Commercialisation des produits avec assurance d'identification et de traçabilité au niveau local
- 2024 – Procédure interne d'implémentation des standards GS1 sur le développement des nouveaux produits pharmaceutiques
- Standard GS1, pas encore un requis ou une obligation par l'Autorité au Burkina Faso



USAID
FROM THE AMERICAN PEOPLE



Identification, Traçabilité à PROPHARM

Pourquoi vouloir tracer la distribution de nos produits dès le départ ?

Les standards GS1, Pourquoi?

- En tant qu'entreprise innovante souhaitant maîtriser son flux de distribution au niveau et également à l'international, nous avons vu la nécessité de mettre en place un système de traçabilité de nos produits.
- La vision d'étendre notre gamme de produits, notre portefeuille-client et de proposer nos produits dans les pays de l'Afrique l'Ouest a également guidé ce choix de mise en place d'un système de traçabilité.
- Pour se faire, nous avons commencer à utiliser les code-barres GTIN des standards GS1 à cause de:
 - Leur portée internationale et universelle
 - L'expérience, la fiabilité des standards GS1 : près de 50 ans
 - Leur caractère unique : 1 code à barres = 1 produit ou une présentation de produit
 - Le caractère efficace : identifier, tracer et inventorier rapidement nos produits



USAID
FROM THE AMERICAN PEOPLE



Identification, Traçabilité à PROPHARM

Retour sur investissement

- L'utilisation des codes-barres issues des standards GS1 permet de rassurer le client final quand à l'identification unique, internationale et authentique de nos produits pharmaceutiques lors de la distribution.
- Cela constitue une valeur ajoutée, un temps d'avance, un gage de fiabilité par rapport à nos concurrents qui n'utilisent pas de système de traçabilité de leurs produits.

Leçons apprises

- L'utilisation des standards GS1 n'est pas tout le temps aisée dans notre initiative solitaire au Burkina Faso car un besoin d'accompagnement par des experts est nécessaire afin de nous permettre de mieux les déployer dans notre circuit de distribution.
- L'absence aussi d'obligation de traçabilité au niveau local au Burkina Faso, rend également cette utilisation balbutiante.



USAID
FROM THE AMERICAN PEOPLE



Identification, Traçabilité à PROPHARM

Notre but à moyen terme

- Améliorer la traçabilité de nos produits et conquérir d'autres marchés dans les pays voisins
 - Aller plus loin la mise en place des standards GS1 dans notre entreprise
 - Fiabiliser les données de traçabilité de nos produits à l'export.
- Inciter au niveau national la mise en place d'une ligne directrice portant sur la nécessité de la traçabilité des produits pharmaceutiques
 - Lobbying auprès du Ministère de la santé et appui pour élaborer cette ligne directrice
 - Dans ce sens, utiliser les standards GS1 comme point de départ pour l'élaboration de ces normes et lignes directrices locales sur la traçabilité des produits pharmaceutiques



USAID
FROM THE AMERICAN PEOPLE



Identification, Traçabilité à PROPHARM

Quelques-un de produits utilisant les données GS1 !

Amener l'enfant au centre de santé si un ou plusieurs des symptômes suivants apparaissent :

- La diarrhée ne cesse pas un peu dans les 24 heures,
- Les signes de déshydratation, qui comprennent la bouche et la langue sèche, les yeux enfoncés ou les joues, et la peau qui ne s'oplatit pas lorsqu'on la pince et on la relâche.
- Présence de sang dans les selles.
- Fièvre élevée

L'OMS recommande de donner aux enfants une dose de 20mg de zinc supplémentaire par jour pendant 10-14 jours (10mg par jour pour les nourrissons de moins de 6 mois), avec les SRO dans le traitement de la diarrhée infantile.

Zinc/SRO

KIT DE TRAITEMENT DE LA DIARRHÉE

2 sachets de SRO + 10 comprimés de Zinc 20 mg

Conservation :
Conserver en dessous de 30 °C, à l'abri de la lumière.
Tenir hors de portée des enfants.
Voir la notice jointe pour le dosage et l'administration.

GOÛT ORANGE

PEUT PRÉVENIR DE FUTURS ÉPISODES DE DIARRHÉE JUSQU'À 3 MOIS

COMPOSITION :

Chaque comprimé contient :
Paracétamol BP.....500mg
ExcipientsQSP

Voie Orale

POSOLOGIE, INDICATIONS, ADMINISTRATION,

CONTRE-INDICATIONS : Reportez-vous à la notice.
Conserver sous 30° C, à l'abri de la lumière.

PRÉCAUTION : GARDER HORS DE LA PORTÉE DES ENFANTS.

RESPECTER LE DOSAGE PRESCRIT



Fabriqué par : **PROPHARM SA**
05 BP 6612 OUAGA PATTE D'OIE - BURKINA FASO
Site industriel de Googho - Komsilga

PARACETAMOL COMPRIMÉS BP

500 mg



PARACÉTAMOL COMPRIMÉS BP

500 mg



PROPHARM



USAID
FROM THE AMERICAN PEOPLE



MERCI !



USAID
FROM THE AMERICAN PEOPLE



3RD FRANCOPHONE AFRICA GSI HEALTHCARE SUMMIT (2024)

Serialization & Product Verification at Bayer Kenya



USAID
FROM THE AMERICAN PEOPLE



Industry | Who we are?

IFPMA is the industry interlocutor and partner for intergovernmental organizations



IFPMA has a consultative status with the united nations and Specialized agencies, including:

- World health organization (WHO)
- World intellectual property organization (WIPO)
- United nations conference on trade and development (UNCTAD)
- United nations economic and social council (ECOSOC)



And a formal relationship with:

- World bank
- World Trade Organization



USAID
FROM THE AMERICAN PEOPLE



Serialization & Product Verification | Why now?

Why Identification and Traceability of Medicinal Products is important?

Fake & substandard medicines

...they not only risk lives but also cause harm. Fake drugs, often lack active ingredients, contribute to preventable suffering and, at times, fatalities from curable illnesses.

...they undermine healthcare systems and professionals.

...they cause massive economic burden.

Factsheet

18,7 %

is the prevalence of falsified and substandard medicines, the highest among low-and middle-income countries.

42 %

of all fake medicines reported to WHO were from Africa, between 2013 - 2017.

50 %

of medicines on sale online are fake, estimates WHO.

500,000 x

People die from preventable causes due to falsified and substandard medicines, every year in Africa.

...it is a public health emergency that can no longer be ignored.

...it threatens to undermine progress towards achieving the Sustainable Development Goals.



Shutterstock Images
Fake and stolen drugs are often sold openly in street markets

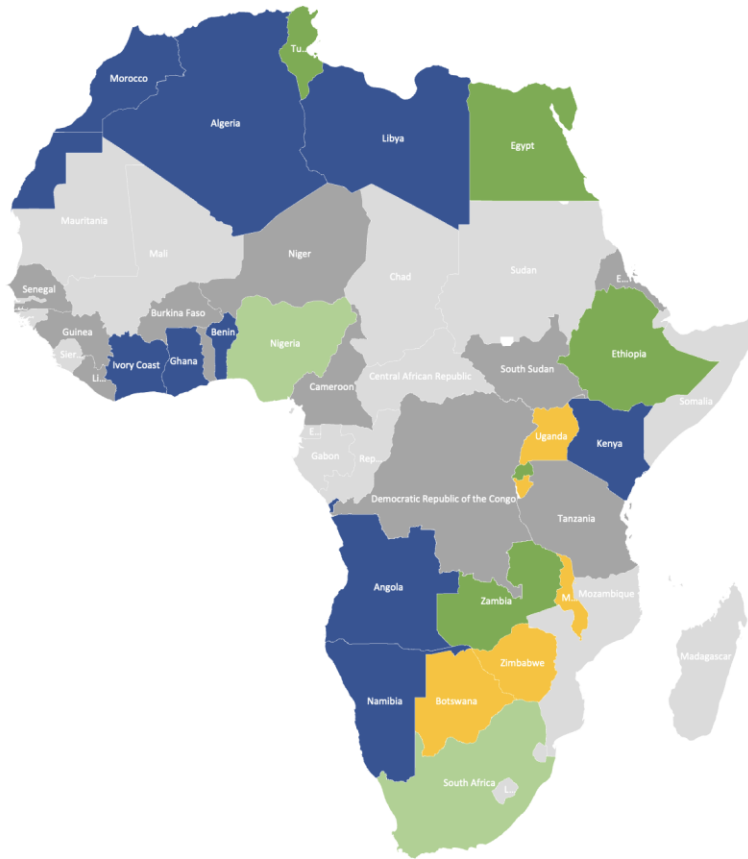
- *The expansion and growing sophistication falsified and substandard products – 1 in 10 in LMICs (WHO)*
- *Falsified medicines have been found in every therapeutic category. ... no one is spared!*
- *Globalization and complex pharmaceutical supply chains*



USAID
FROM THE AMERICAN PEOPLE



Serialization & Product Verification | Where are we now?



Growing interest in track and trace technologies

- Regulation DRAFT
- Regulation
- Awareness
- Active discussions
- Strategy
- No updates

At times these technologies are presented as the definite solution in the fight against substandard & falsified medicines



WHO requesting for more data and more reporting on SF



International Coalition of Regulatory Authorities (ICMRA)

CALL FOR EXPRESSION OF INTEREST

to select Industry Experts to participate in Track and Trace (T&T) Interoperability Project



USAID
FROM THE AMERICAN PEOPLE



Serialization & Product Verification | How should we do it?

*Principles for
successful
implementation of
traceability*



Harmonized standards



Strategic planning



Stepwise approach



Framework for implementation



Early stakeholder engagement

The innovative industry has built serialization/traceability capabilities and expertise which can prove to be helpful if leveraged in certain contexts



USAID
FROM THE AMERICAN PEOPLE



Serialization & Product Verification | Our Industry Experience?

Timelines and Cost

- // Clear, timely and consistent law-making process
- // Realistic and staggered
- // Constant change during the implementation phase without detailed impact analysis

Regulations & Policy

- // Unclear and not well known by all stakeholders
- // Lack of knowledge with respect to established legal, regulatory and quality (GxP) landscape while introducing traceability systems.

Product Scope

- // Limit scope to Rx products

One Standard

- // Adhere to GS1 Global Standards for verification (i.e., data matrix with 4 or 5 data elements – No QR code!)

Serial Number Generation

- // Allow manufacturers to generate the serial numbers themselves; Apply serial numbers to the secondary package only!

Choice of System to be used e.g. End to End?

- // Select between Point-of-Dispense verification (EU model) vs. full Track&Trace with aggregation (Turkey, Korea)

Serialization & Product Verification | African Country Experience?

Traceability Pilot in 2021

- It was easier for the MNC because we are already involved in serialization, however it may be challenging for small companies and local manufacturers.

Challenges faced during the Pilot

- **Capital Investment:** There is associated cost to implementing traceability such as purchase of hardware such as Scanners, Purchase of Software.
- **Associated training cost**
- **Awareness & Education-Technical Guidance:** Since the process was new it was a bit challenging to understand the process flow and the technicalities of the process. However, because company already has a dedicated team on Serialization, they were able to support technical implementation.
- **Complexity of the country Supply chain landscape:** Due to the complex supply chain landscape in the country, it is difficult to fully implement traceability for all products especially for OTC's. It is advisable to choose products in a risk-based approach.

Opportunities

- Implementation of traceability can help re-define the supply chain landscape in the country



USAID
FROM THE AMERICAN PEOPLE



Serialization & Product Verification | IFPMA's Position

- Implementation of product identification and traceability features must be seen as a long-term goal, requiring complete planning and definition of a multi-year strategy in consultation with all the relevant stakeholders.
- **IFPMA supports the use of product identification and traceability features globally as one of the effective strategies to fight substandard and falsified medicinal products, optimize supply chain management and ultimately ensure the delivery of quality safe medicinal products.**
- We stand ready to work in partnership with NRAs across the world and the WHO in establishing the most effective system in the interests of patient safety.

<https://www.ifpma.org/publications/identification-traceability-of-medicinal-products-a-tool-towards-strengthening-health-systems/>



USAID
FROM THE AMERICAN PEOPLE

