



خواست خداو مصطفی ست، این خواست ما خواستماست

بیدار به خدمت حاضریم، آری به هیبت حاضریم

شعار ما، بس افتخار ما

هد آریا

همین دوما

رما

افتخار ما

unicef 
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**Ensuring timely, continuous and equitable access for all
Health Supply Chains digital transformation**

Recurring data-related challenges identified across geographies



Limited information
despite abundance of
collated data



Siloed data streams
with limited cross-
functional analyses



Bespoke solutions or
practices with limited
inter-operability
potential



Different degrees of
political support to
drive supply chain
digital transformation

UNICEF, and partners, are working towards a shared digital vision



Fit for purpose and context specific data processes, practices and tools



Appropriate levels of digital dexterity to ensure long-term technical sustainability



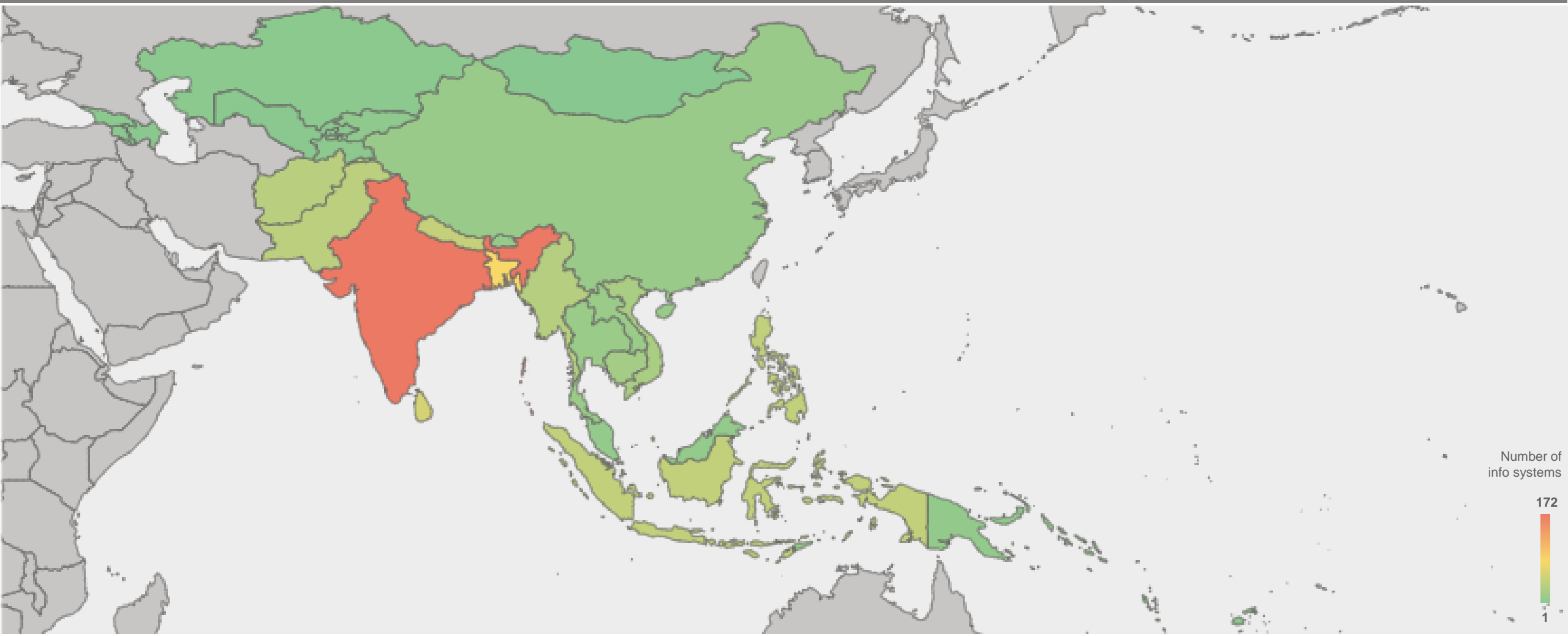
Inter-operated solutions with advanced analytics to support decisions



E2E product visibility and traceability to improve accountability and transparency

A view of the current digital ecosystem in the region

Map visualizes the number of information systems (HMIS, LMIS, RTMS, Admin, SBCC) per country



59 Logistics Management Information and Remote Temperature Monitoring systems

595 Health Management Information and Communication systems

51 Different donors and development partners

Source: [System digitalization planning and investment portal](#)

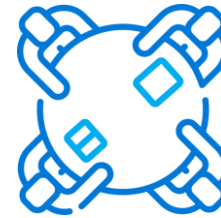
These principles guide UNICEF's public digital transformation efforts



Shaping the development or adoption of standards and **fit for purpose digital ecosystems**



Enhancing **end-to-end product visibility** to support strategic and operational decisions



Identifying field-level challenges to **coordinate cross-partner response**



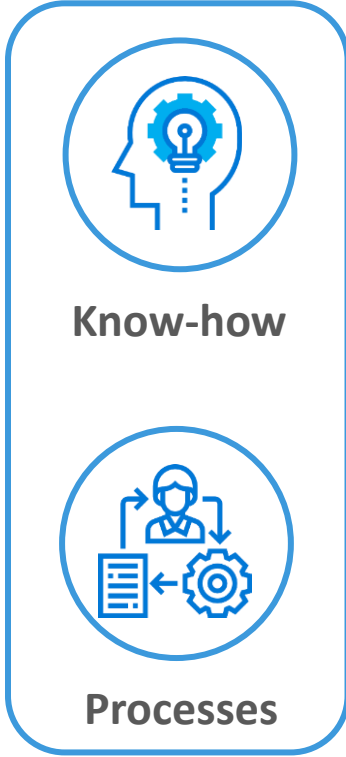
Building local capacity to develop long term **technical and financial sustainability**

UNICEF's approach to holistically strengthen national information systems

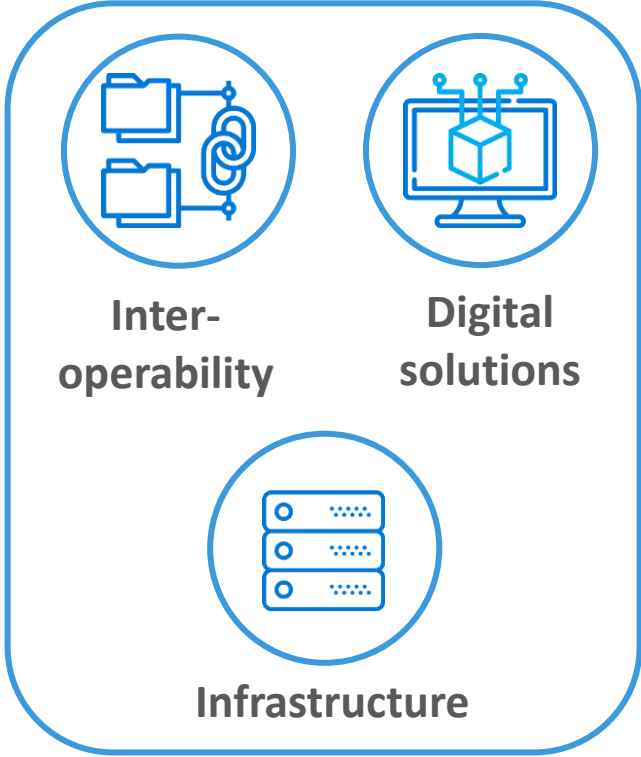
1. Environment



2. Capability



3. Enablers



This is our high-level supply chain digitalisation roadmap

Review the present



- Understand the **flow of data and products**
- Define the level of ambition and priorities

Design the future



- Identify **functional and business requirements**
- Select between **vertical or horizontal integration**
- Identify **fit for purpose digital solutions**

Targeted deployment



- **Target high-level impact** with controlled level of effort and scope
- **Prioritise process-related changes/ improvements** over tools
- **Plan investments and resources** required to transition towards the next phase

Scaling up



- **Leverage identified lessons learned** to expand to other regions
- **Phase out legacy systems/ practices** in a structured manner
- **Support deployment efforts** with advocacy, communication and training engagements

Consolidate success



- **Evaluate the impact** of all deployed solutions/ engagements
- **Monitor performance to identify areas** for further improvement and continuous evolution

How UNICEF and partners are building the foundation for traceability



Requesting manufacturers to **include GS1 barcoding on the secondary packaging**



Developing **data policies** to provide the legal and political framework



Setting up a **global data base** to enable country-level product verification



Moving forward with **in-country** deployment of product verification and traceability solutions

A digital transformation experience

Challenges



Fragmented and verticalized supply chains and information systems



Reduced product visibility across all levels of the national supply chain



Stock-risky situations affecting service delivery and coverage levels



High-level of burden on health workers associated with data-related workloads

Interventions



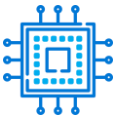
Development of an integrated national information system plan



Development of national policies/strategies to provide a normative body to drive the work



Streamlined data reporting, registration and processes



Adoption of fit for purpose digital solutions to leverage advance analytics

Outcomes



Enhanced levels of **product visibility and data integrity**



Financial savings associated with enhanced performance levels



Improved capacity to drive **evidence-supported decisions**

Impact



Enhanced levels of **access and coverage for all**

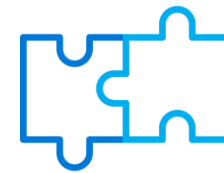
Critical success factors to drive digital transformation



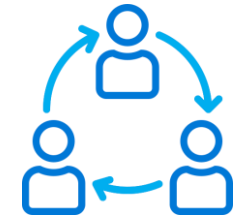
Enhance data-related processes to reduce level of effort



Identify and deploy **fit for purpose** digital solutions



Alignment with the **broader digital health efforts**



Cross-partner/donor **alignment and complementarity**

Any questions?

To learn more about how UNICEF strengthens national supply chain systems please reach out to:

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