The digital transformation of immunisation supply chains

Dr Veena Dhawan, MoH, Govt of India

Stefano Malvoti, MMGH Consulting

Sachin Jagtap, Gavi

19 October 2023

17th TechNet Conference

Panama City, Panama | October 16-19, 2023

Immunization Programmes That Leave No One Behind

www.technet-21.org

Our panelists

Abhimanyu Saxena

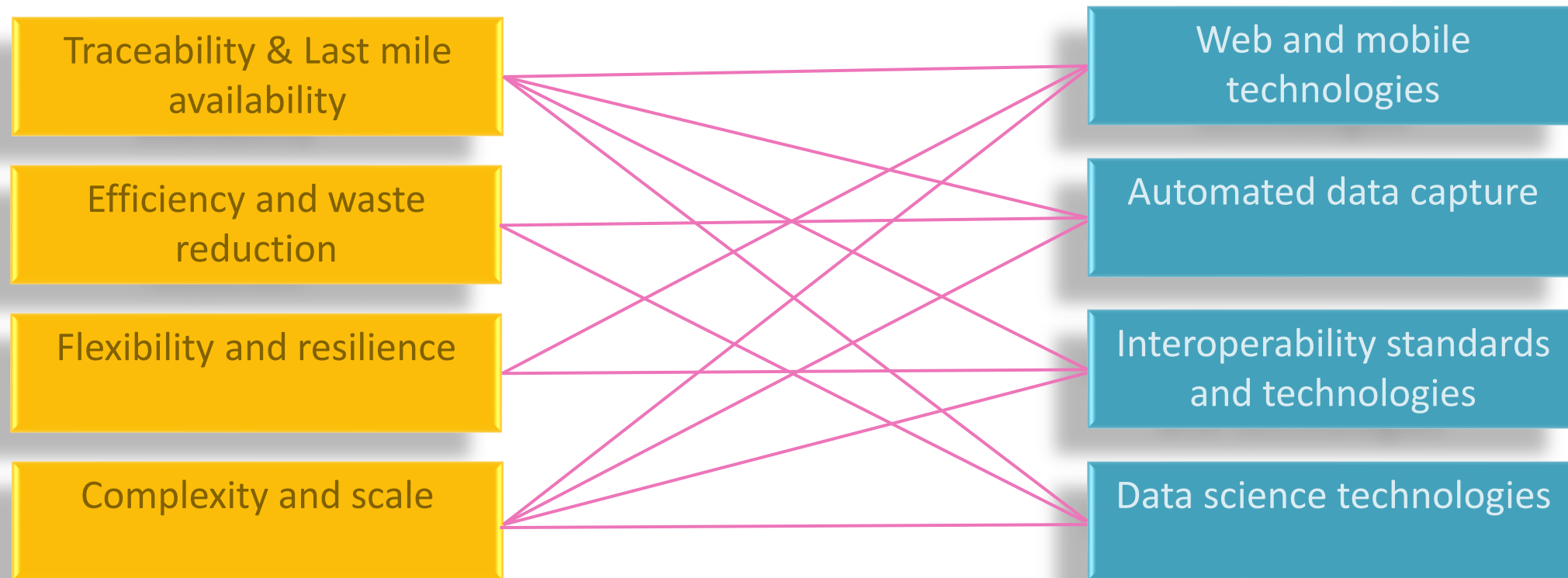Head, Health Systems Strengthening, UNDP India

Stefano Malvolti

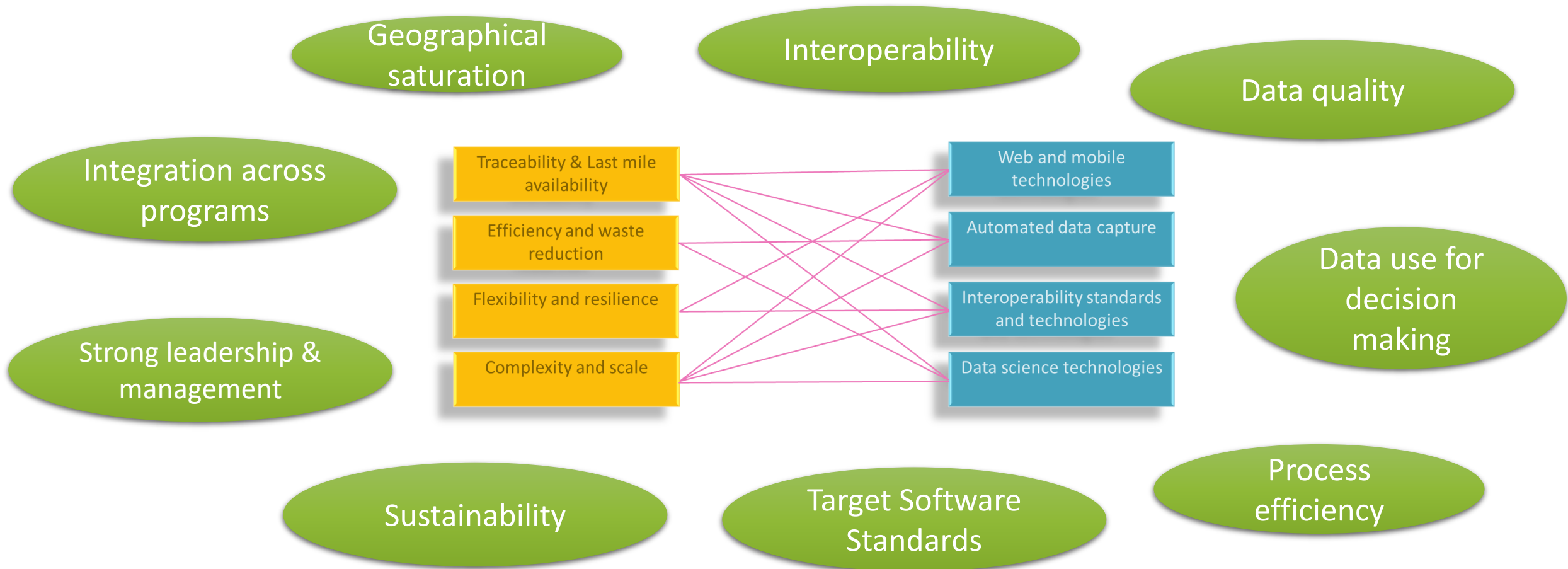Managing Director and Co-Founder MMGH Consulting GmbH

Sachin Jagtap

Digitalisation & Traceability Focal Point at Gavi

Emerging needs and digital technologies

Needs	Technologies
Traceability & Last mile availability	Web and mobile technologies
Efficiency and waste reduction	Automated data capture
Flexibility and resilience	Interoperability standards and technologies
Complexity and scale	Data science technologies

The key to meeting program needs by leveraging digital technologies is about how countries are able to deploy and then manage digital solutions
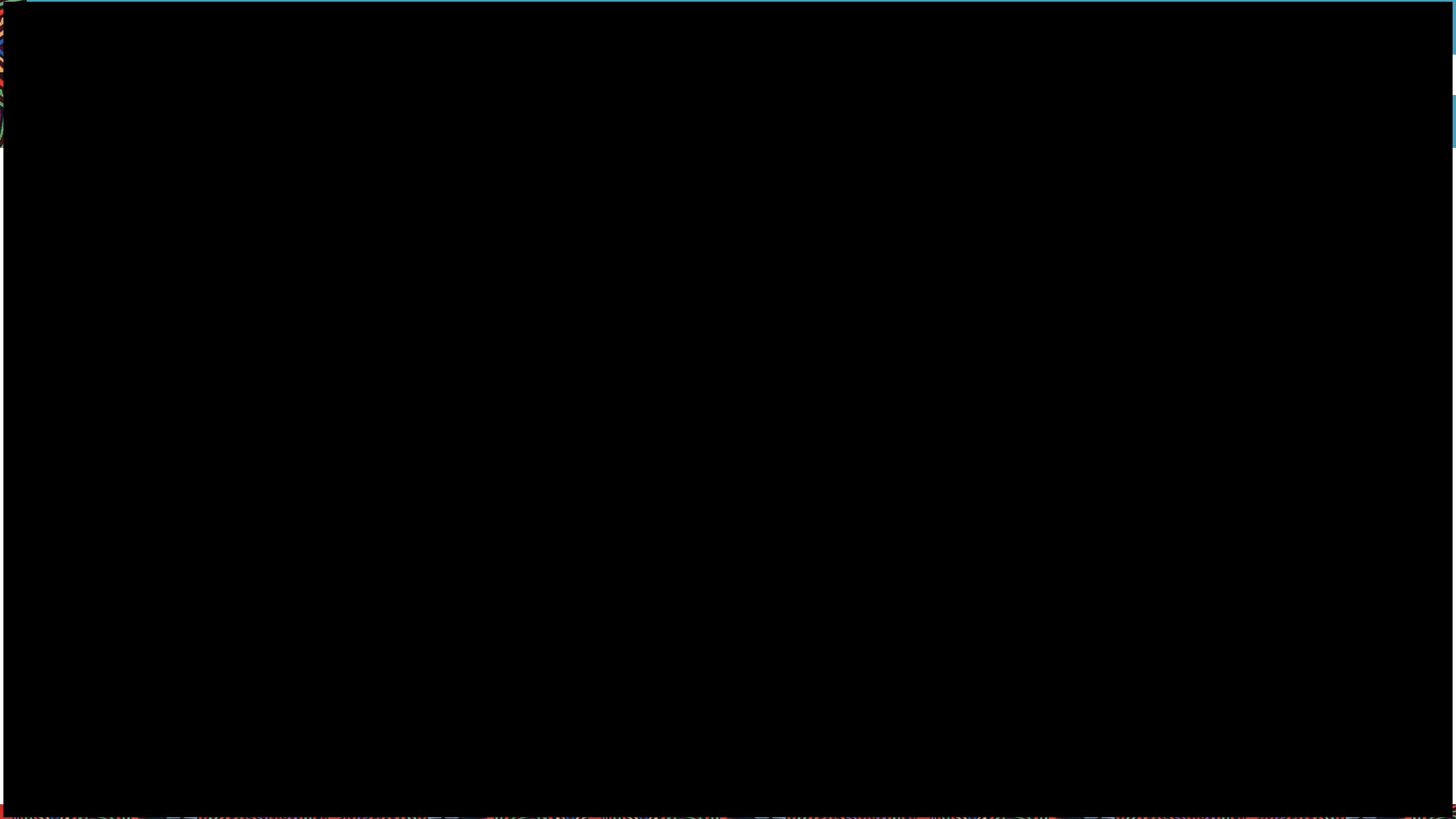
Gavi strategy guiding elements

Geographical saturation

Interoperability

Data quality

Integration across programs

Strong leadership & management

Traceability & Last mile availability	Web and mobile technologies
Efficiency and waste reduction	Automated data capture
Flexibility and resilience	Interoperability standards and technologies
Complexity and scale	Data science technologies

Data use for decision making

Sustainability

Target Software Standards

Process efficiency

Digital Journey of Immunization in India from eVIN to U-Win

Project Overview

- **Timeline:** June 2020 – December 2022
- **Countries**: Guinea, Honduras, Rwanda, Tanzania
- **Tools**: **eIR** (Tanzania, Rwanda, Honduras) & **eLMIS** (Tanzania, Guinea)

- **Goal**: *To generate actionable evidence for the Ministries of Health of Guinea, Honduras, Rwanda and Tanzania to support future decisions on the management of digital technologies and contribute to global learnings on introducing and scaling up eIR and eLMIS in low-resource settings*

- **Sponsors:**

BILL & MELINDA GATES *foundation*

World Health Organization

Gavi The Vaccine Alliance

- **Evaluation team:**

SDA **Bocconi** School of Management

CIICHIN

Africa Health Consulting

NATIONAL INSTITUTE FOR MEDICAL RESEARCH

GLOBAL HEALTH CONSULTING

Edith Rodriguez & Luis Castillo

TRAVAIL JUSTICE SOLIDARITE
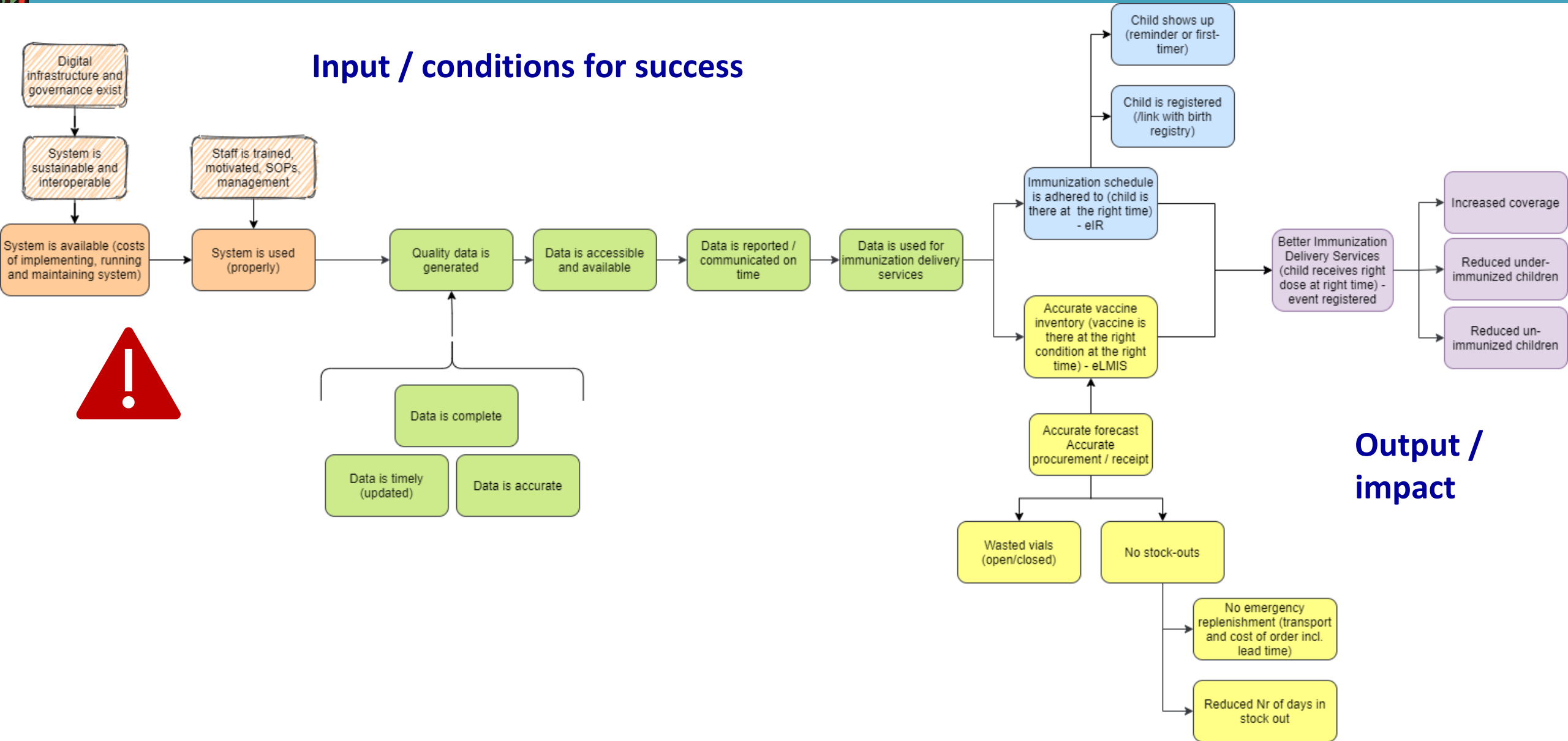
A set of conditions need to be met for eTools to have a positive impact on the immunisation systems

Conclusions

eTools support decision-making, particularly at the service delivery point, only if **designed to meet programmatic needs** and to transition to a **fully digital setup**.

To allow sustainable and sustained use, design and implementation of the eTools should adopt an **integrated approach with other PHC programs.**

A functioning **IT ecosystem** and **local capacity** are two pre-conditions for success of the eTools. Without these, investments in the tools might be at risk of not delivering the expected results.

Implementation research is needed to understand the impact of the eTools, and their use contributes to improved immunization outputs such as vaccination timeliness, coverage, and stock-levels.

Monitoring and evaluation should be planned at the onset of implementation, and continued once the systems are fully scaled inform those course corrections necessary to ensure continues use of the eTools.

Q&A

17th TechNet Conference
Panama City, Panama | October 16-19, 2023