



Open**LMIS**

# OpenLMIS Vaccine Functionality

Project Timeline, Feature Set, User Input

# Call Outline

- **Context**
- **Project Plan and timeline**
- **What is the vaccine module?**
- **Global and country-level stakeholder engagement and input**
- **Questions/feedback**

# Purpose of Vaccine Module



## DATA FOR MANAGEMENT

Managers at each supply chain level needs relevant and reliable data to manage the supply chain.



## SYSTEM DESIGN

Analyzing and modifying the supply chain's design to improve performance, reliability, and resiliency



## LEADERSHIP

Ensuring dedicated and fully equipped supply chain managers with adequate numbers of skilled, competent and accountable personnel.



## COLD CHAIN EQUIPMENT

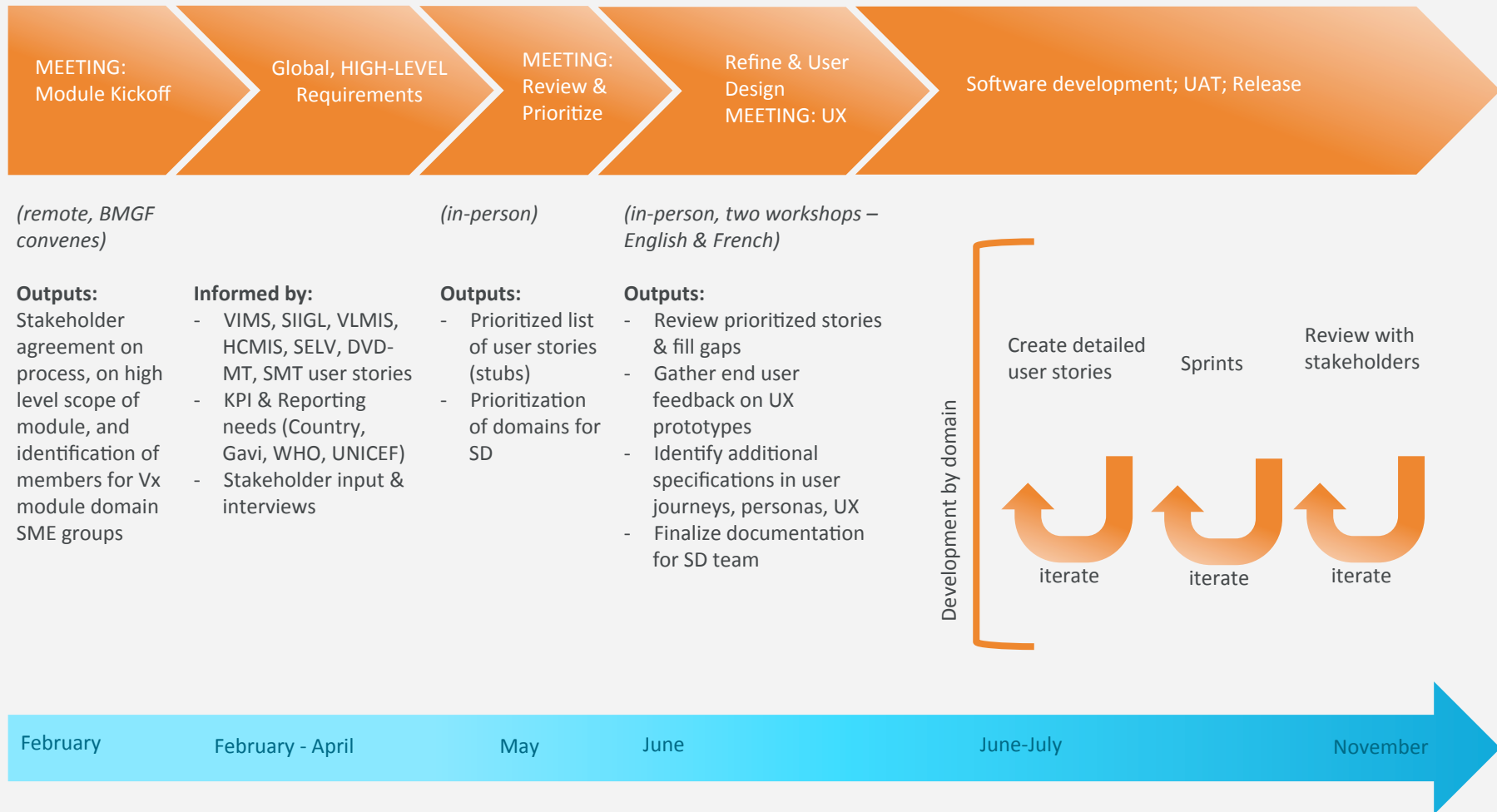
How do we ensure a child gets potent vaccine? How do we reach the unreached population without compromising potency? How do we prevent wastage which could arise as a result of excessive heat / freezing?



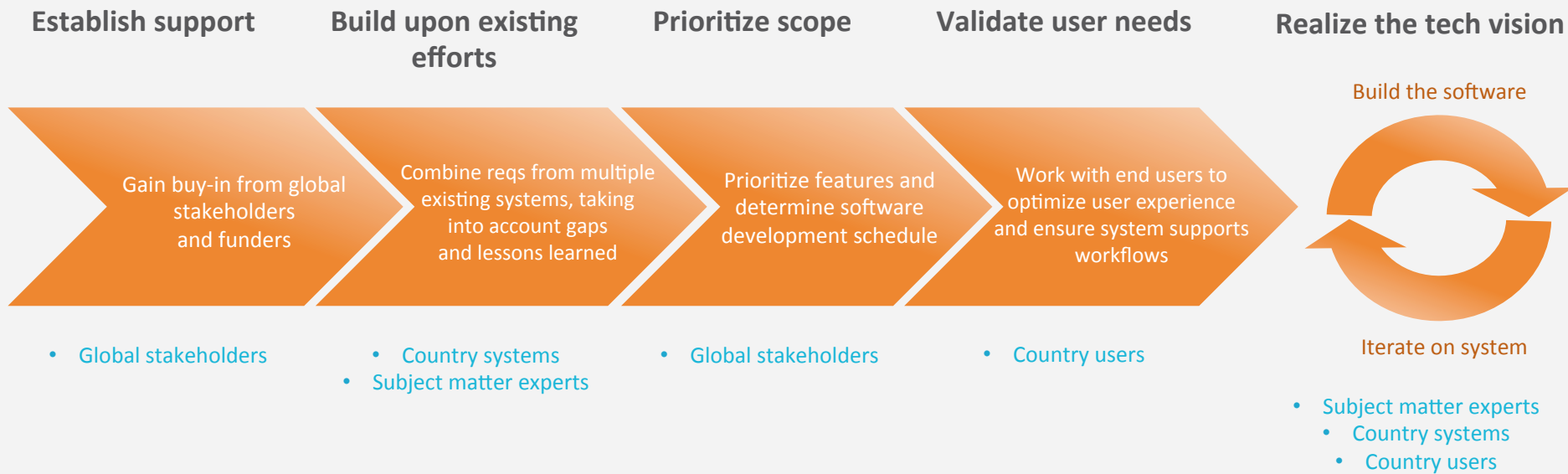
## IMPROVEMENT PLANS

Developing a strategic plan for continuous improvements, optimization and innovations the immunization supply chain.

# Timeline for Vaccine Module



# Further explanation: Stakeholders Input Process



# What is the vaccine module?

# High-level Features

Domain

	Data Sources	Vaccine Module Features	Reporting
CCE Reporting & Management	<ul style="list-style-type: none"> <li>CCE Inventory Catalog</li> <li>CCE Functioning Log</li> <li>CCE Temperature Log</li> <li>Remote Temperature Monitoring</li> </ul>	<ul style="list-style-type: none"> <li>Manage CCE inventory (including location, capacity, date of manufacture, date of installation)</li> <li>Capture CCE functional status</li> <li>Capture CCE temperature status</li> <li>Generate temperature alarms &amp; notifications (by facility, geog. area)</li> </ul>	<ul style="list-style-type: none"> <li>❖ Functional status of CCE</li> <li>❖ Temperature alarms</li> <li>❖ Available CCE storage capacity</li> <li>Custom reports as identified by working group</li> </ul>
Forecasting & Estimation	<ul style="list-style-type: none"> <li>Vaccination Targets</li> <li>Vaccine Orders</li> <li>Immunization Reports</li> <li>Stock Card/Ledger</li> <li>Wastage Reporting Form</li> <li>CCE Capacity</li> </ul>	<ul style="list-style-type: none"> <li>Calculate vaccine needs using multiple variables (MoH targets, wastage rates, *historical consumption, historical supply, available CCE capacity and functional status)</li> <li>Display estimates by facility / delivery area / product / multiple time periods</li> </ul>	<ul style="list-style-type: none"> <li>❖ Forecast Accuracy / Forecast Demand Ratio</li> <li>❖ Comparison of estimates using different inputs</li> <li>Custom reports as identified by working group</li> </ul>
Distribution / Resupply	<ul style="list-style-type: none"> <li>Proof of Delivery</li> <li>Vaccine Arrival Report</li> <li>Delivery Schedule</li> <li>Resupply Schedule</li> <li>Submitted Requisitions</li> </ul>	<ul style="list-style-type: none"> <li>Support *pull, push, and mixed supply chains</li> <li>For push supply chain needs: Create &amp; display distribution plans by product, time period, delivery area, facility</li> <li>*For pull supply chain needs: Create requisitions, authorizations, &amp; approvals</li> <li>*Support local fulfillment; integrated supply chains</li> </ul>	<ul style="list-style-type: none"> <li>❖ On-Time &amp; In-Full Orders or Deliveries</li> <li>❖ Delivery/Resupply Status Reports by facility / geographic area / time period</li> <li>Custom reports as identified by working group</li> </ul>
Stock Management	<ul style="list-style-type: none"> <li>MoH Min/Max Stock Policy</li> <li>Stock Card/Ledger</li> <li>Stockout Report</li> <li>Wastage Reporting Form</li> </ul>	<ul style="list-style-type: none"> <li>*Enter vaccine stock data and capture stock movements (amounts, history, received stock)</li> <li>*Capture vial wastage (by facility, zone, period, reason)</li> <li>Supports product bundling (kits)</li> <li>Generate stock level notifications</li> </ul>	<ul style="list-style-type: none"> <li>❖ Stocked according to plan</li> <li>❖ Full stock availability</li> <li>❖ Closed vial wastage</li> <li>Custom reports as identified by working group</li> </ul>

Please note that **Reporting** is also a specified domain of the vaccine module. \* Indicates feature supported by current core OpenLMIS roadmap ❖ Indicates DISC Key Performance indicator (KPI)

# Role of Current Information Systems

## User Stories draw from:

- SELV (Mozambique)
- VIMS (Tanzania)
- SIIGL (Benin)
- VLMIS (Pakistan)
- HCMIS (Ethiopia)
- DVDMT
- SMT
- Stakeholder interviews/  
gap analysis

## Interoperability considerations:

- DHIS2
- RTM platforms (ex.  
Nexleaf's ColdTrace)
- Electronic Medical  
Records and/or  
Immunization Medical  
Records
- Master Facility Registry
- ERP



# Contact

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# OpenLMIS Community

A Global Team of Partners and Donors

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# Thank You



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