

# Challenges in Donor Agencies Supply Chain Information Systems and data exchange with Country Systems



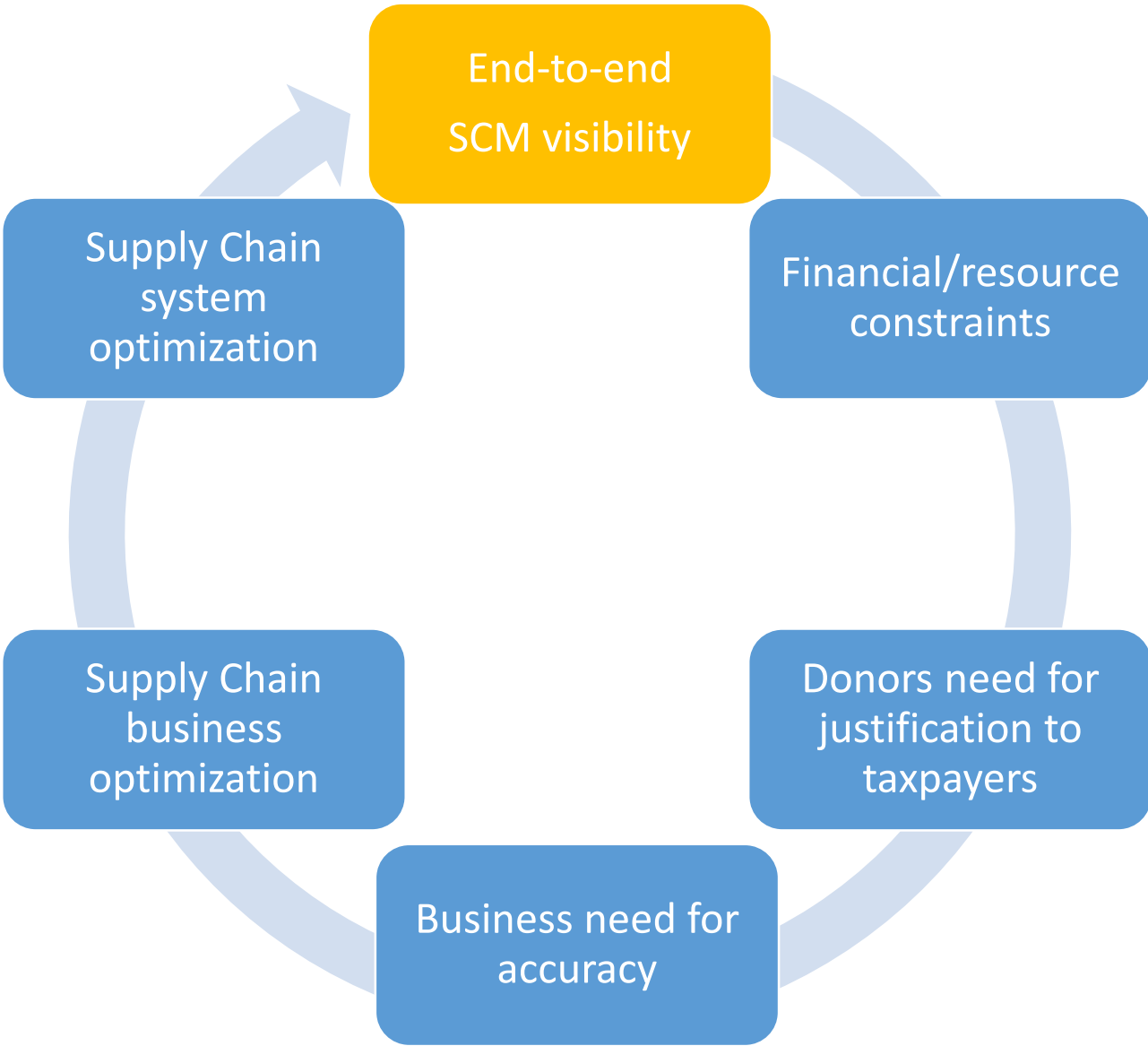
GS1 Global Health Conference  
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Thinlay Nono Wangchuk  
ICT Specialist  
UNFPA

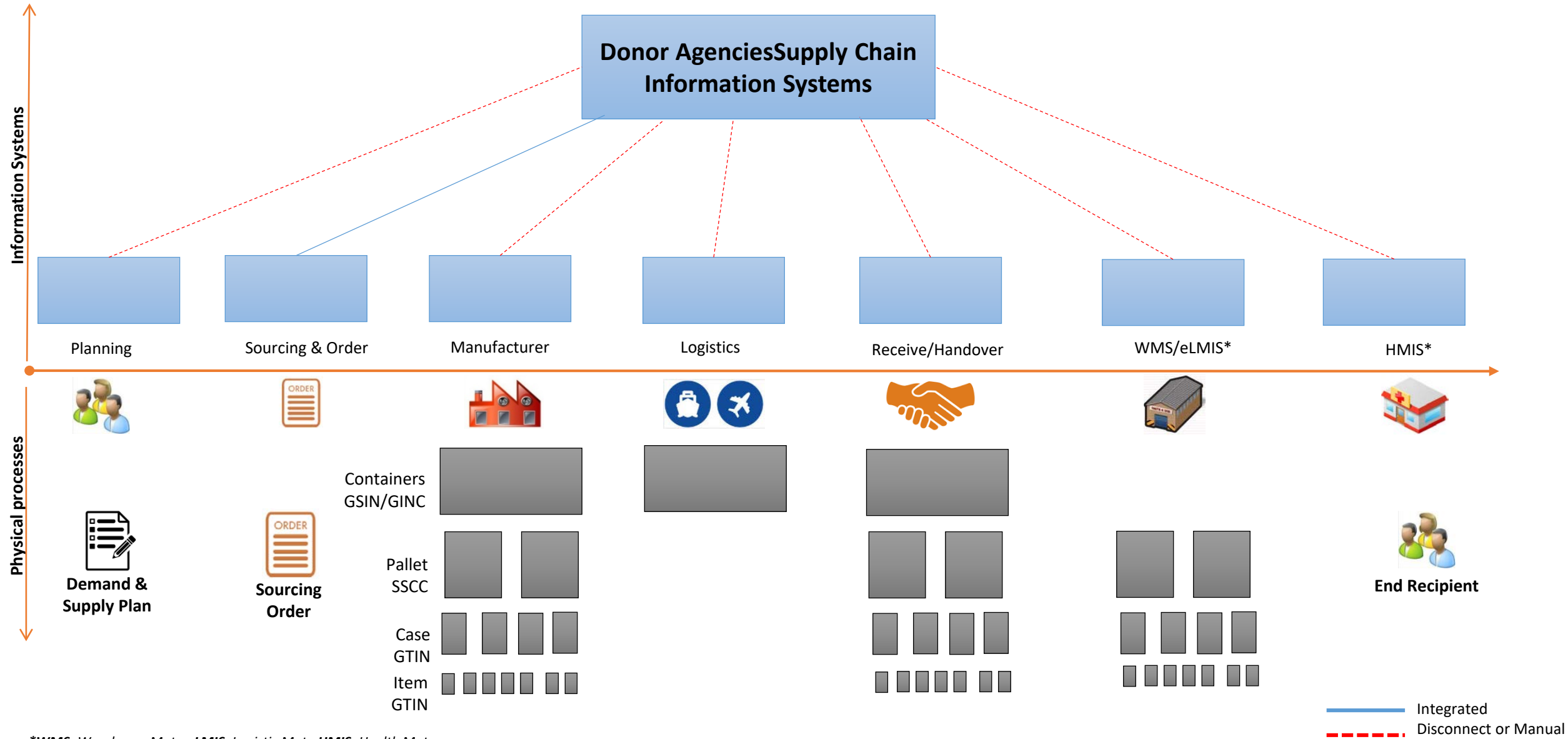
# Agenda

- Background
- Challenges with donor agencies supply chain information system
- Data exchange between donor agencies systems and country systems
- GS1 Adoption
- Benefit & Assumptions

# Current challenges with donors agencies supply chain information systems & Data exchange with Country systems

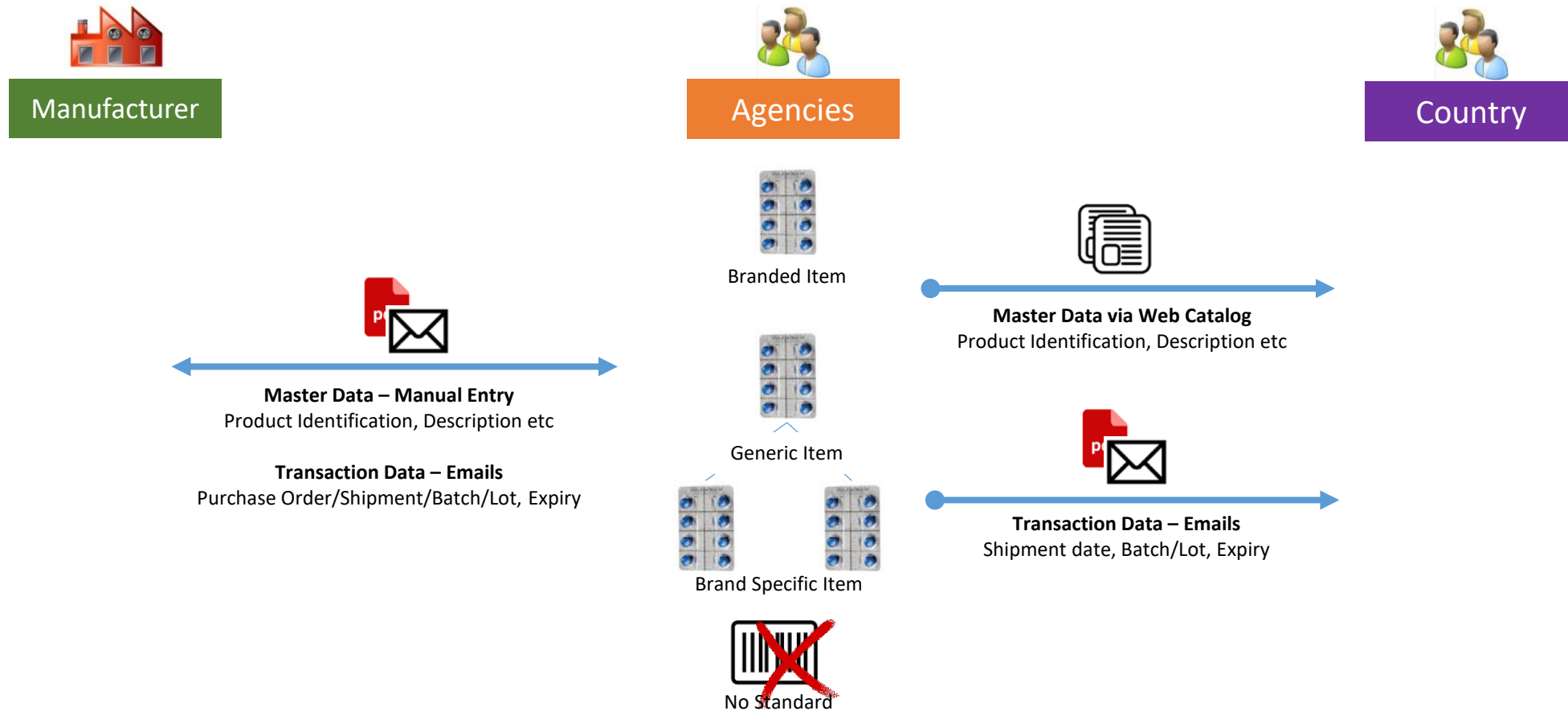


# Current challenges with donors agencies supply chain information systems & Data exchange with Country systems



\*WMS: Warehouse Mgt., eLMIS: Logistic Mgt., HMIS: Health Mgt.

# Current challenges with donors agencies supply chain information systems & Data exchange with Country systems



## Challenges interfacing Manufacturer

1. Global setting (standards)
2. Lack of product and data exchange standard

## Internal Challenges

1. ICT landscape
2. Business need and alignment
3. Lack of product and data exchange standard

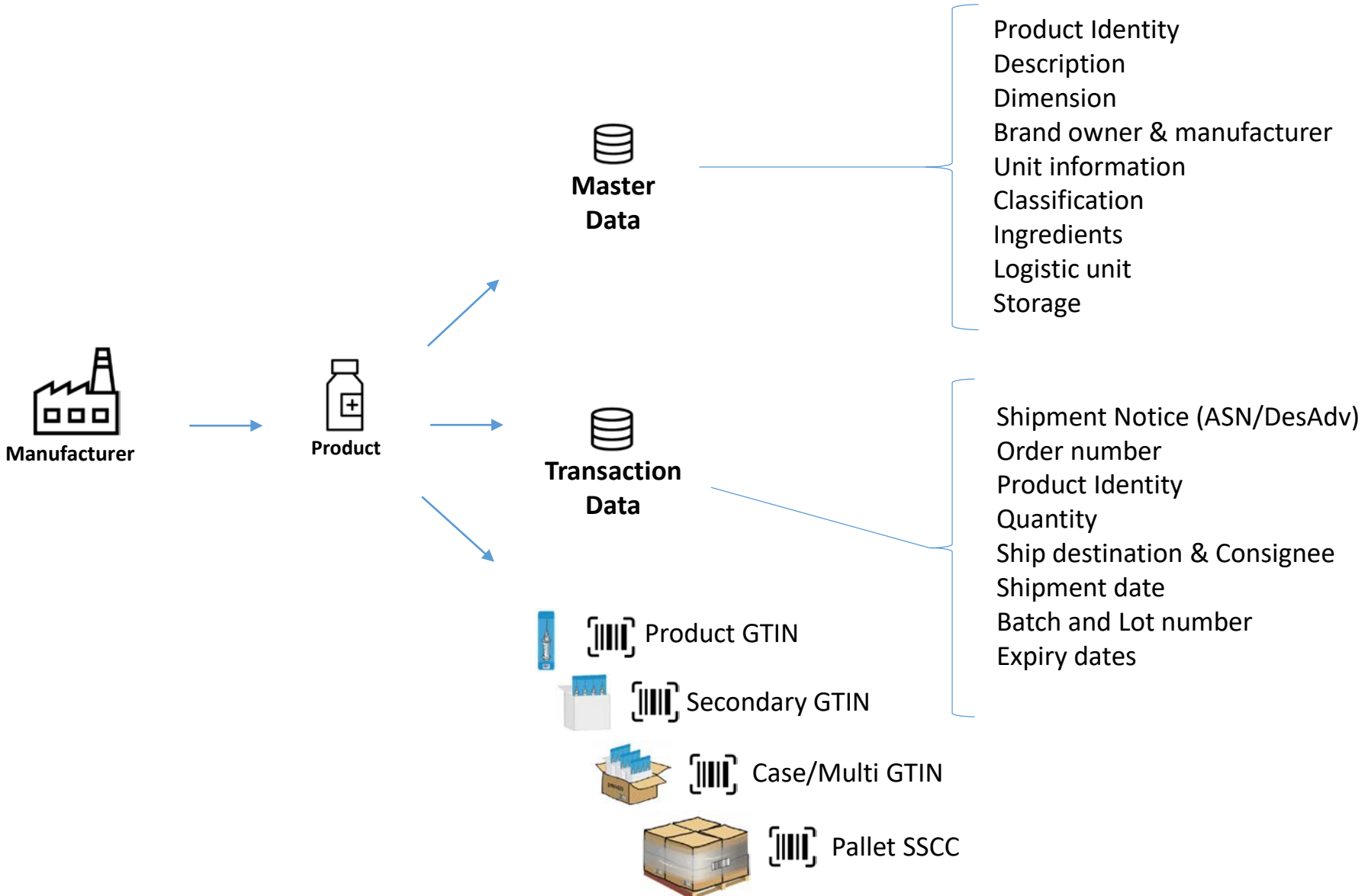
## Challenges interfacing Country

1. Global setting (scale, political, standards)
2. Lack of product and data exchange standard

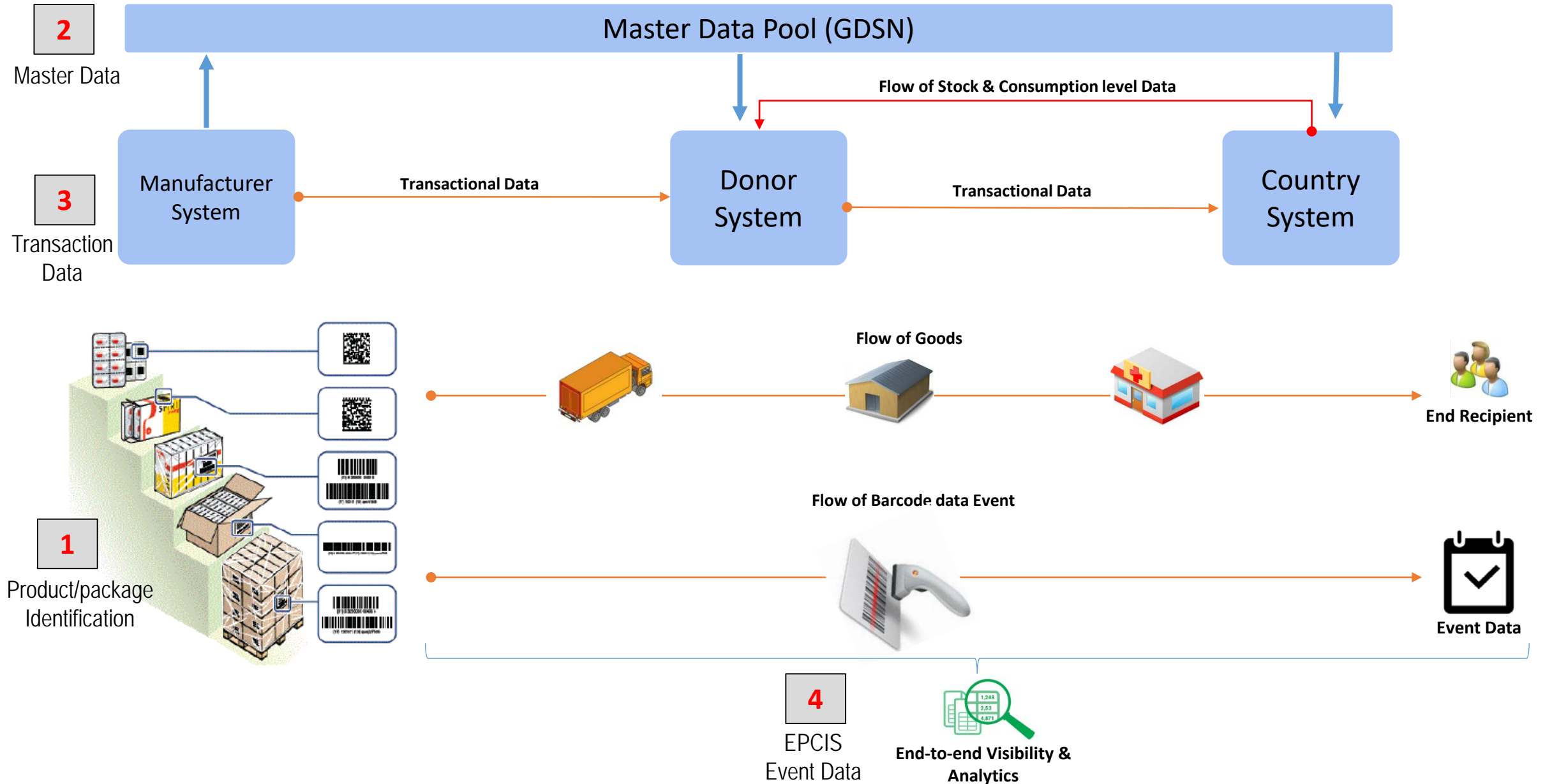
# Current challenges with donors agencies supply chain information systems & Data exchange with Country systems

Challenges	GS1 response
<b>1. Product Identity and Master Data</b> <ul style="list-style-type: none"><li>• Inconsistent product information (identity, registration, origin, etc.)</li><li>• Inconsistent product master data (classification, dimension, unit of measure, ingredient, Logistics, and more)</li></ul>	<b>1. GS1 GDSN</b>
<b>2. Label and Barcode</b> <ul style="list-style-type: none"><li>• Inconsistent product label/barcode (not used, no barcode, reassignment, recreate)</li></ul>	<b>2. Capture Barcode</b>
<b>3. Data exchange of master and transaction</b> <ul style="list-style-type: none"><li>• Inconsistent data sharing obscuring interoperability; not used, manual (emails), heavily customized, etc.</li><li>• Lack master data standard; (manual data entry, duplication, validation)</li><li>• Challenges with transaction data; (shipment dates, Batch/Lot dates, expiry dates)</li></ul>	<b>3. Data Interoperability &amp; Data Sharing</b>
<b>4. End-to-end Visibility (last mile)</b> <ul style="list-style-type: none"><li>• Inconsistent business vocabulary; event, object, location, etc.)</li><li>• Challenges of dissimilar systems</li></ul>	<b>4. EPCIS – Event data</b>

# Current challenges with donors agencies supply chain information systems & Data exchange with Country systems

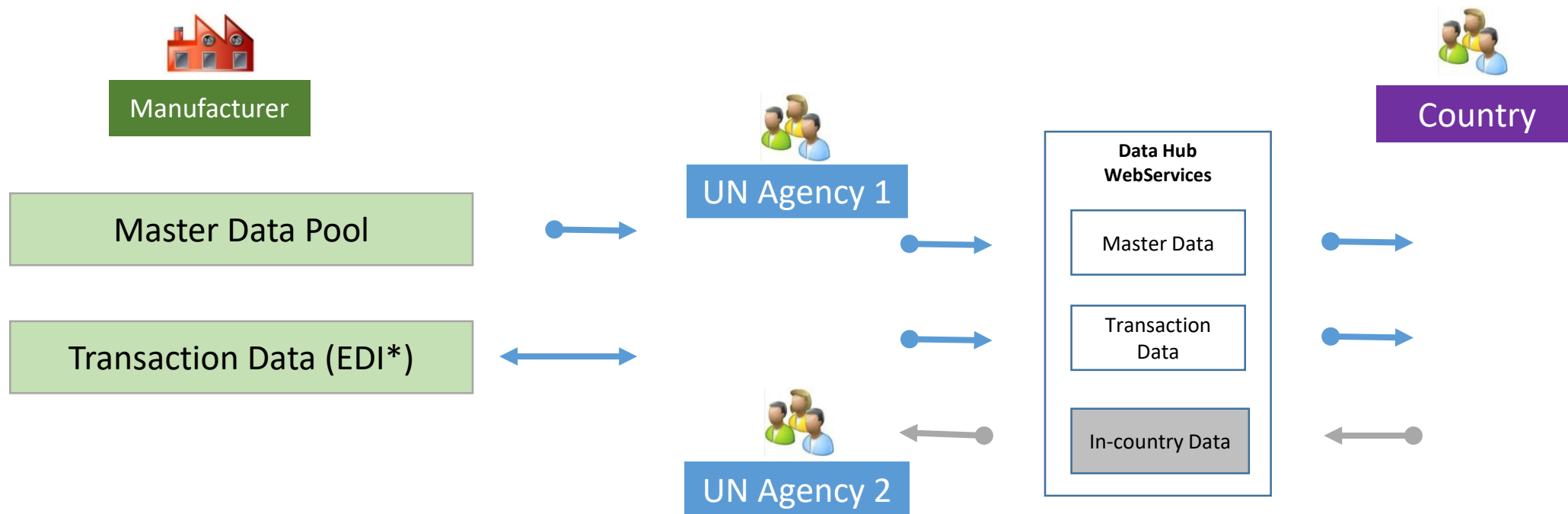


# End Objective – GS1 based solution





# Vision - GS1 standard based solution



## Benefit for Vendors and UN Agencies

Enhance Inter-Agency collaboration  
Foster data exchange capabilities



Adopt GS1

## Benefit for Governments

Respond to Patient Safety and Stock-out  
Reduce Cost, Complexity, Data source

\* Electronic Data Interchange

# GS1 Adoption

## Points to remember for adoption

- Non-core commodities
- Global supplier base
- Wholesalers
- Business resource and Technology dependency

# Benefit and assumptions for Doner & Donor agencies

## Benefits

- Enhance product/package identification and streamline data exchange leading to automation and accuracy
- Benefit forecast as it will be based on actual consumption
- Contribute to higher willingness from donors to support

## Assumption

- Successful implementation product identity, capture and data sharing (GS1)
- in-country VAN, Global VAN, eLMIS, HMIS data capture and share in place

# GS1 benefit and assumptions

## Benefit for Governments

- Enhance product/package identification and streamline data exchange leading to automation and accuracy
- Support Recalls, Detection inefficiencies like leakages, Support forecast, Support in detection of stock-outs and overstock at an early stage and assist in redistribution
- Contribute to higher willingness from donor support

## Assumption

- Successful implementation product identity, capture and data sharing (GS1)
- eLMIS and HMIS data capture and share in place

Thank you

