

# Operations visibility across value chains

An overview of approach

# What lies beyond standardisation of identification and marking?

- Operations visibility in the value chain
- Traceability as one component of value chain visibility
- Take a step back and relook at what we have here:
  - A world in pioneering phase
  - Lots of publicity, very little information
  - No common framework of definition and conceptual understanding
  - Let's structure our understanding

# Basic language of virtual value chain integration and visibility

- Define visibility
- Define traceability
- Define value chain business solution
- Define Virtually Integrated Value Chain (VIVC) business model
- Define a Value Chain Visibility Platform



# Operations Visibility

?

Supply and Demand Coordination

Compliance to agreed standards (process specific)  
(e.g. Sustainability Standards)

Product/Process attributes

Quality/Grade of product, Temp of cold chain, Expiry Dates, Ingredients

Traceability (item handling event specific)

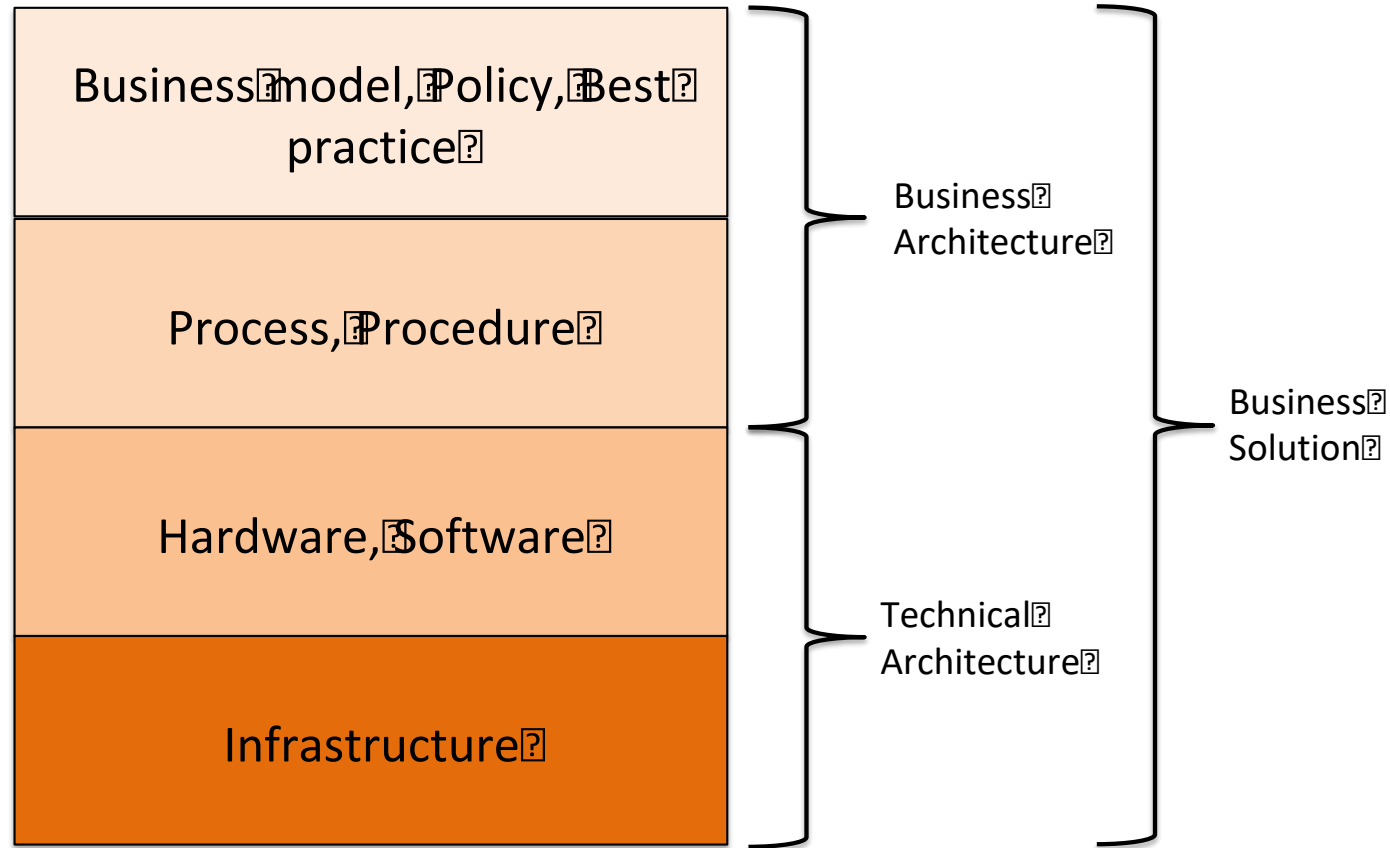
Comp A: (Receive Raw Materials - Production - Finished Goods - Dispatch)

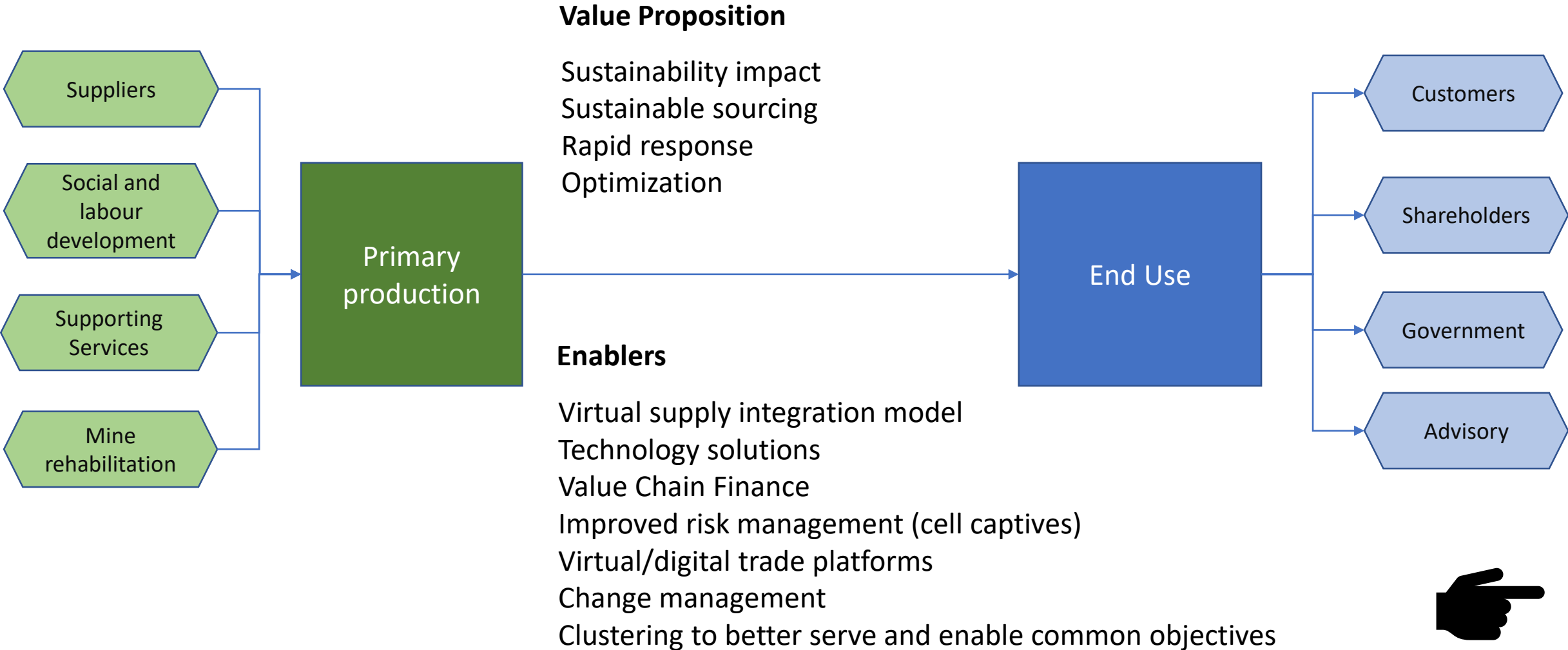
Comp B: (Receive Raw Materials - Production - Finished Goods - Dispatch)

Comp C: (Receive Raw Materials - Production - Finished Goods - Dispatch)

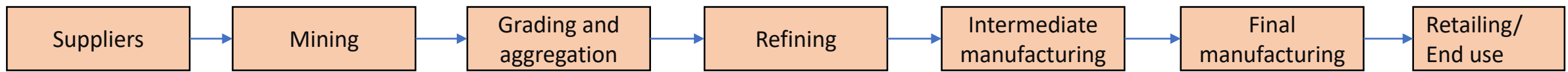


# Think solution rather than software

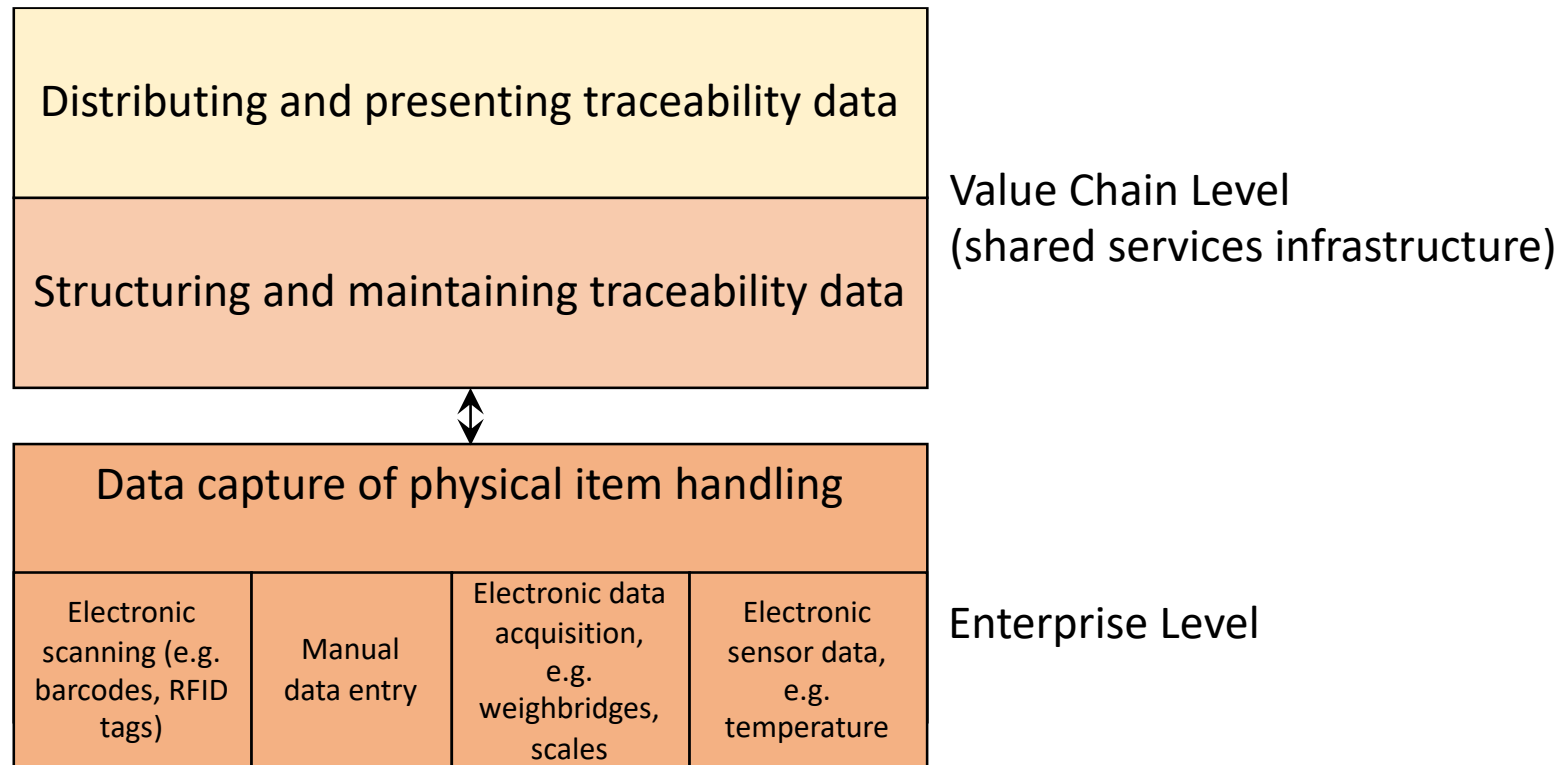




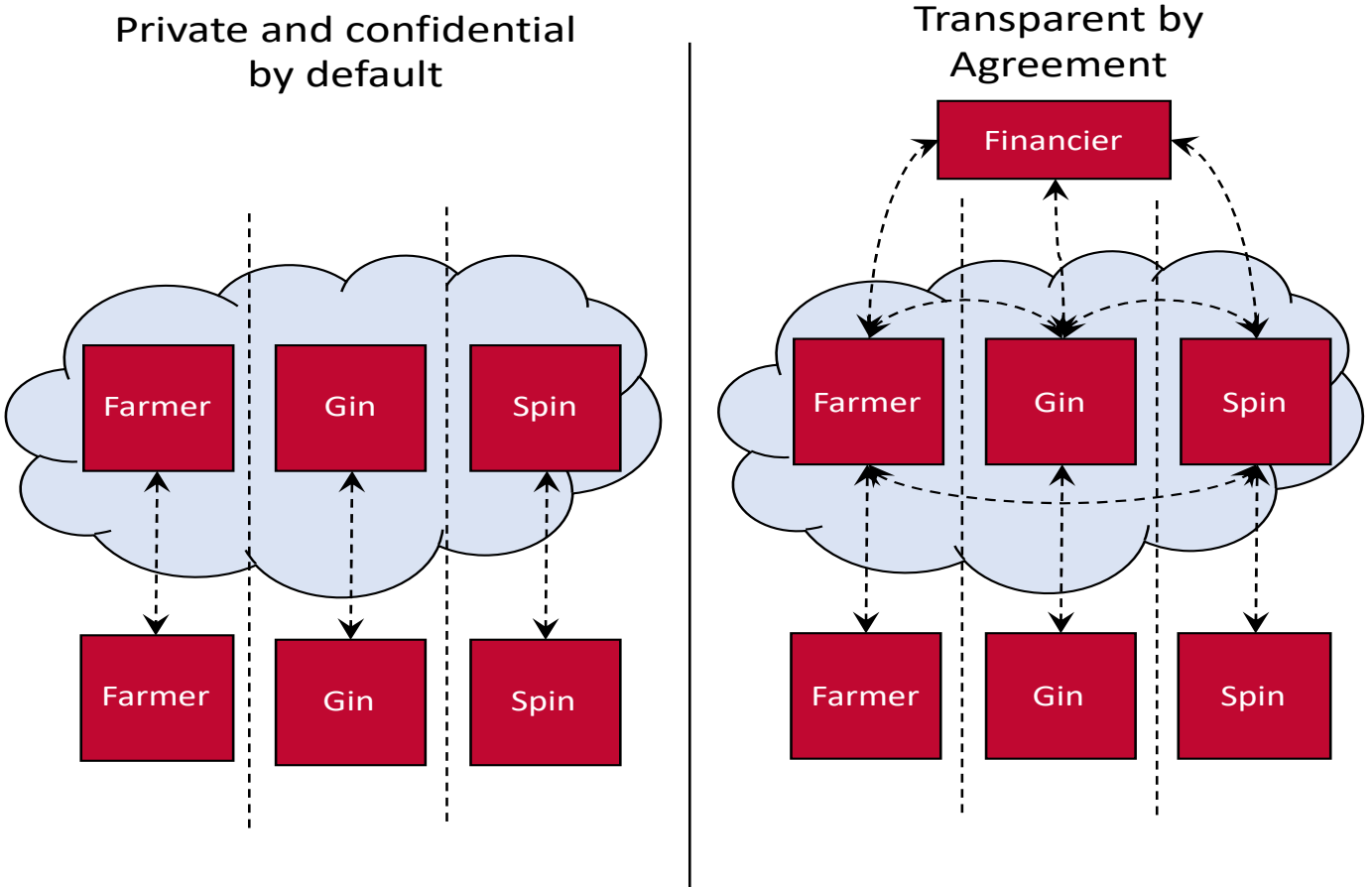
**Mining Industry Value Chain Ecosystem**



# Value Chain Visibility Platform



# Data privacy and confidentiality and sharing





# Approach successfully followed in the SA Cotton Industry

- Align supply chain business models to a VIVC business model
- Appraisal of the key processes, viz. :
  - supply and demand coordination
  - Compliance to agreed standards
  - Process and product quality management
  - Traceability audit trail within and between participating organisations
- Design and implement supporting digital platform as a shared services infrastructure linking to existing enterprise systems
- Coordinate value chain based onboarding of organisations and supply chains onto the shared service infrastructure, information sharing and ongoing support at enterprise and value chain levels

# Next steps

- Supporting the working group
- Supporting a pilot engagement with a willing supply chain
- Supporting a roll-out to industry