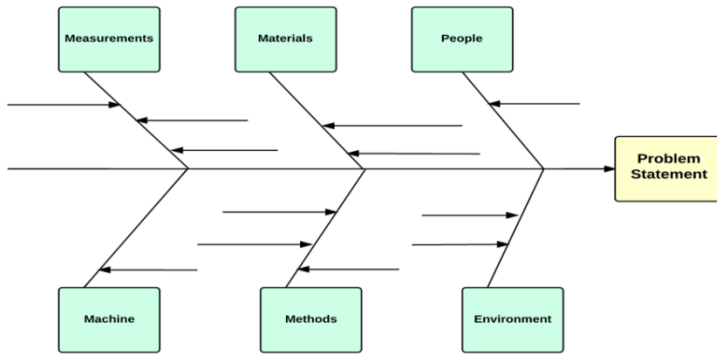
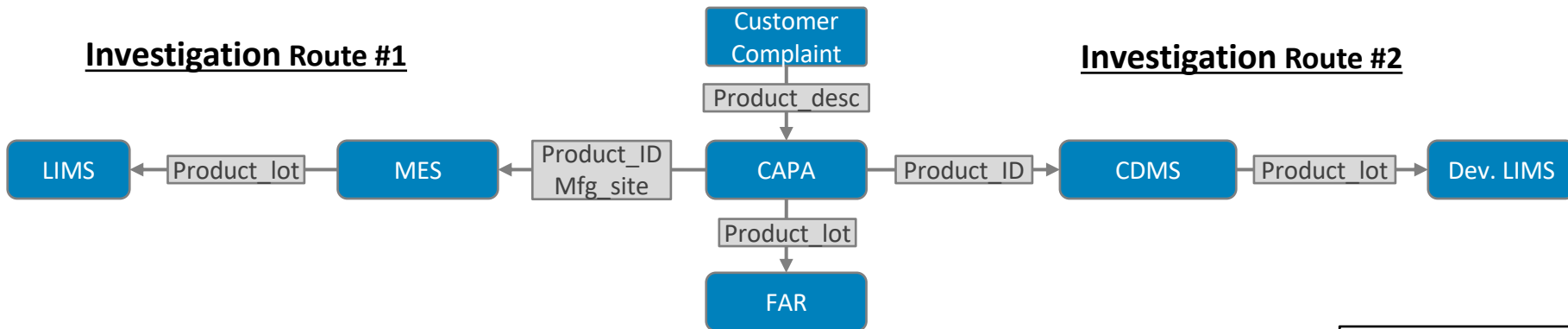


# Bio(pharma) System Map: Illustrative Example (1 of 2)

Humans conduct analysis linearly to understand and solve problems...

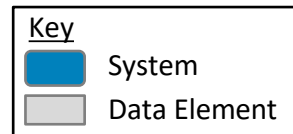


We may follow multiple investigation routes but usually only one at a time, or one per team



CAPA - Corrective Action and Preventive Action (Investigation system)  
 MES – Manufacturing Execution System  
 LIMS - Lab Information Mgmt. System

FAR - Field Action Report System  
 CDMS - Clinical Data Management System  
 Dev. LIMS – Development Lab Information Mgmt. System

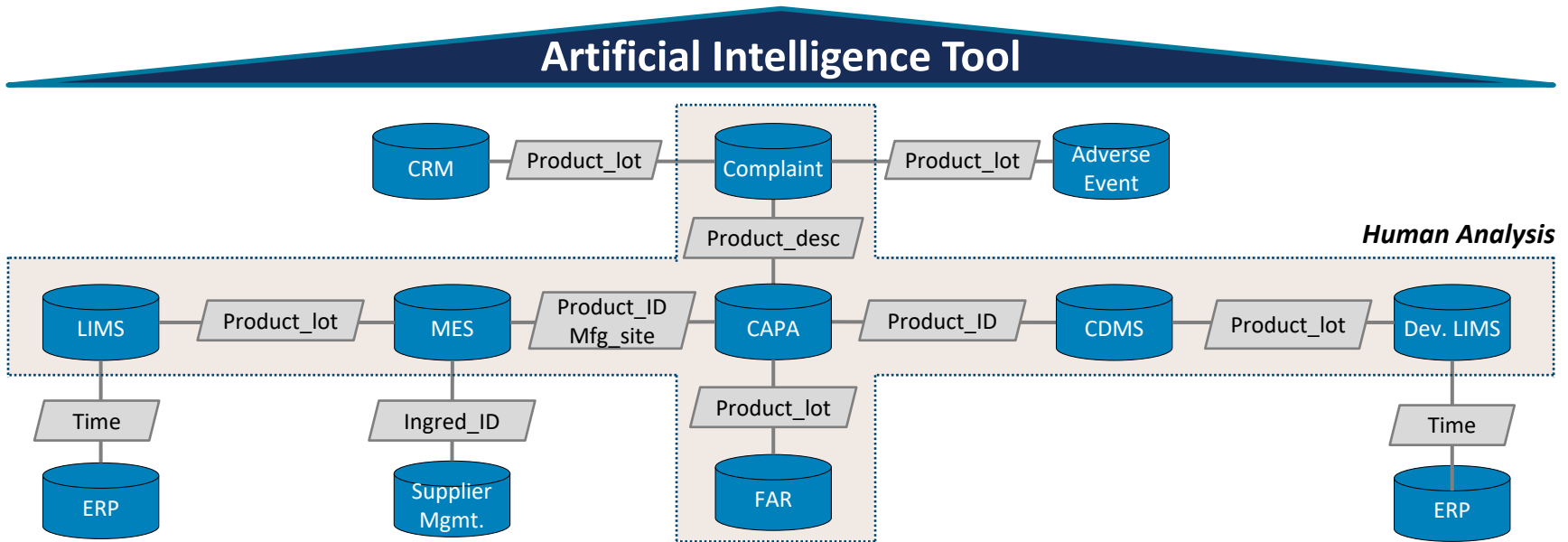


# Bio(pharma) System Map: Illustrative Example (2 of 2)

...AI has the ability to perform ongoing analyses on many different systems concurrently to identify correlations undetectable by humans

*Desired Output:*

Correlation between occurrence of customer complaints and data within “connected” systems



CRM – Customer Relationship Management System  
 CAPA – Corrective/Preventive Action (Investigation) System  
 MES – Manufacturing Execution System  
 LIMS - Lab Information Mgmt. System

ERP - Enterprise Resource Planning System  
 FAR - Field Action Report System  
 CDMS - Clinical Data Management System  
 Dev. LIMS – Development Lab Information Mgmt. System

Key	
	System
	Data Element
	Human Analysis