

# ***ISO 15926 & Vendor Interfaces***

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# Existing Tools

**Intergraph's SmartPlant Instrumentation** – Control Systems Engineering Automation System for Instrument engineering, procurement, construction and maintenance



**Fisher® Specification Manager & FIRSTVUE** – Control valve sizing and specification program with Import/Export capabilities to SPI and DDP



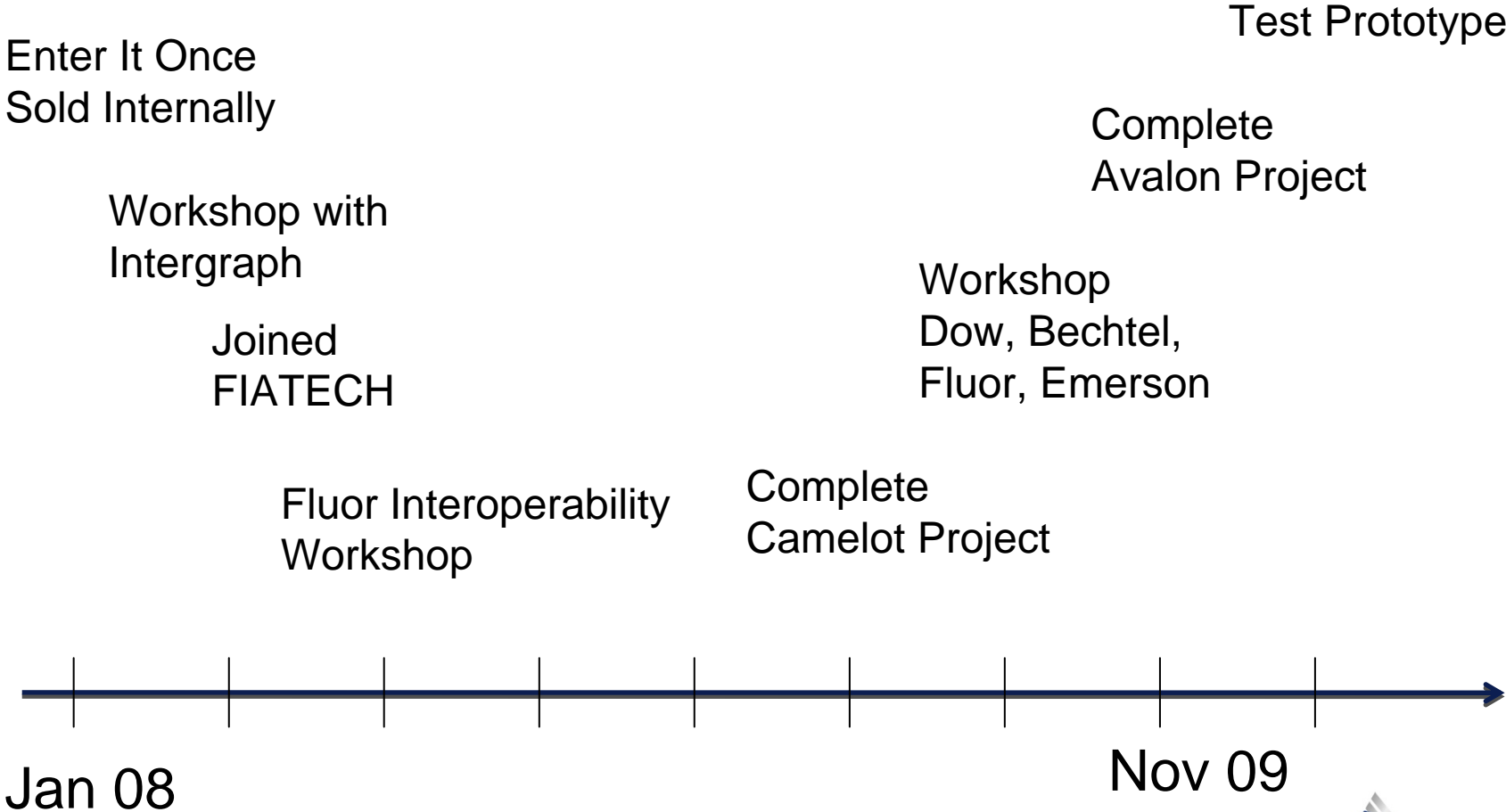
**Rosemount Instrument Toolkit** – Software for sizing and selecting instrumentation for flow, level, pressure, and temperature applications



**DeltaV® SPI Integration** – Allows for the exchange of DCS I/O and instrument data between the SPI and the DeltaV Configuration Tools



# History of Enter It Once Project



# Workflow – Enter It Once Program

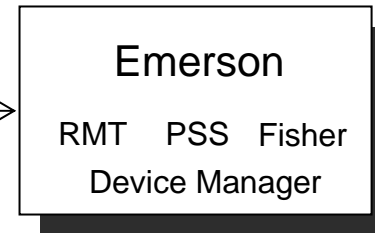
*P&IDs  
Loop Sheets  
Cabinet Drawings  
Instrument Index  
Data Sheets  
Etc.*



*Data Centric Model  
Uses SmartPlant  
Instrumentation From  
Intergraph*



*TEF  
Adapter*



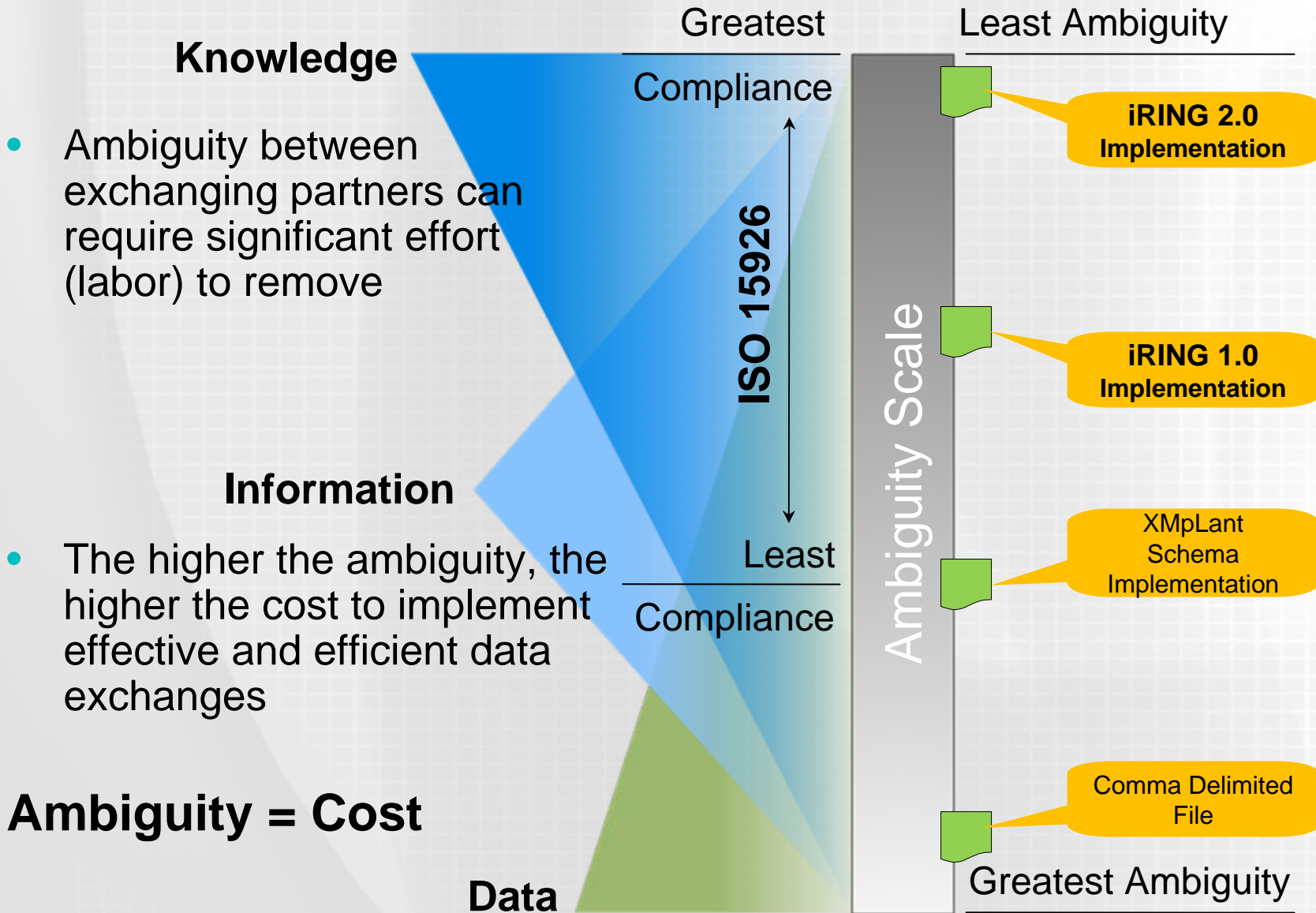
*Enables electronic data  
exchange between  
Emerson divisions for  
configuring PlantWeb  
features*



\* TEF – “The Engineering Framework” Intergraph Terminology



# Information Ambiguity & Compliance



- Ambiguity between exchanging partners can require significant effort (labor) to remove
- The higher the ambiguity, the higher the cost to implement effective and efficient data exchanges

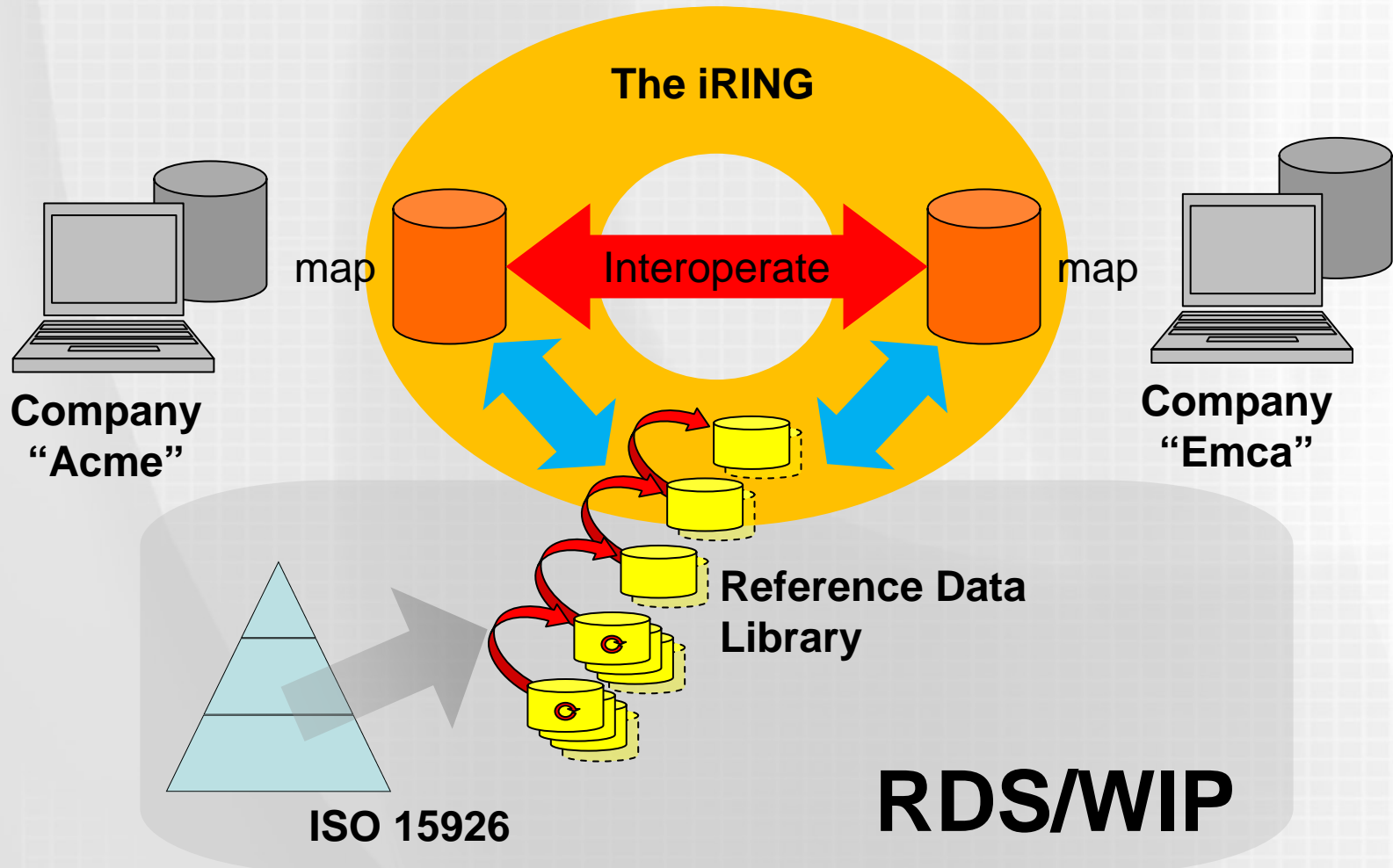
**Ambiguity = Cost**



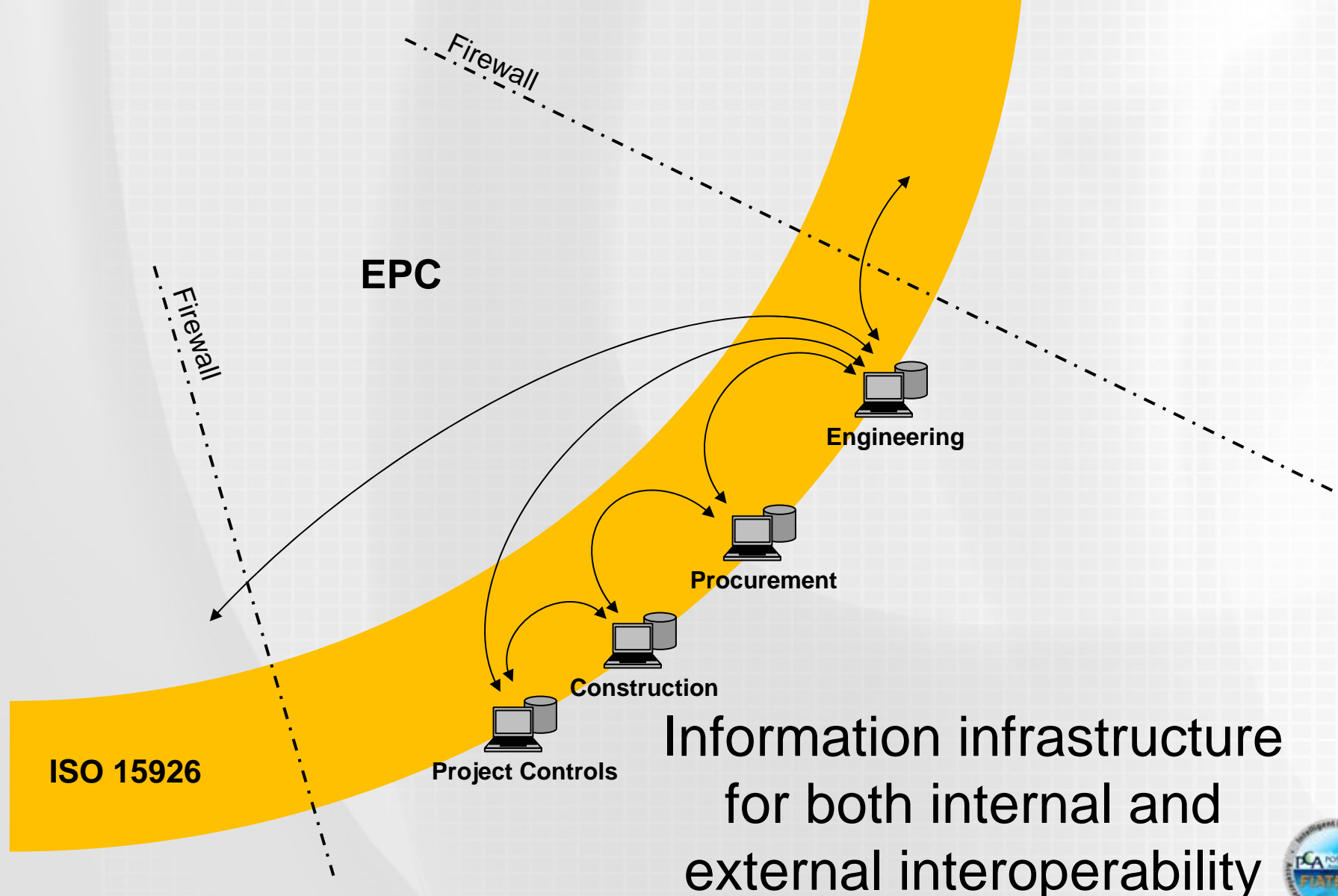
# Improve Your Interoperability

## Start with ISO 15926!

ISO 15926 is a standard for interoperability and the integration of lifecycle information



# The iRING in your Company

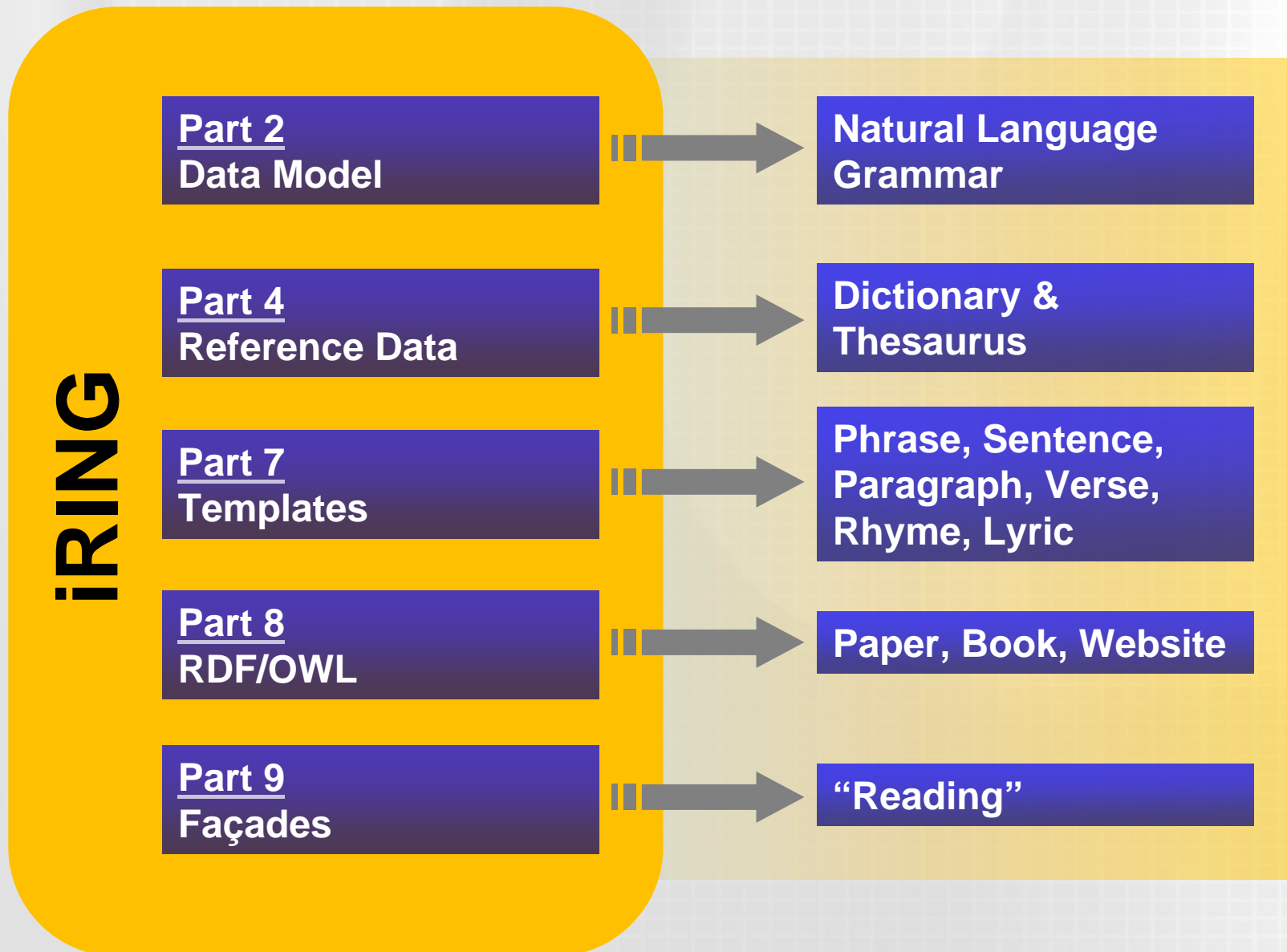


Information infrastructure  
for both internal and  
external interoperability

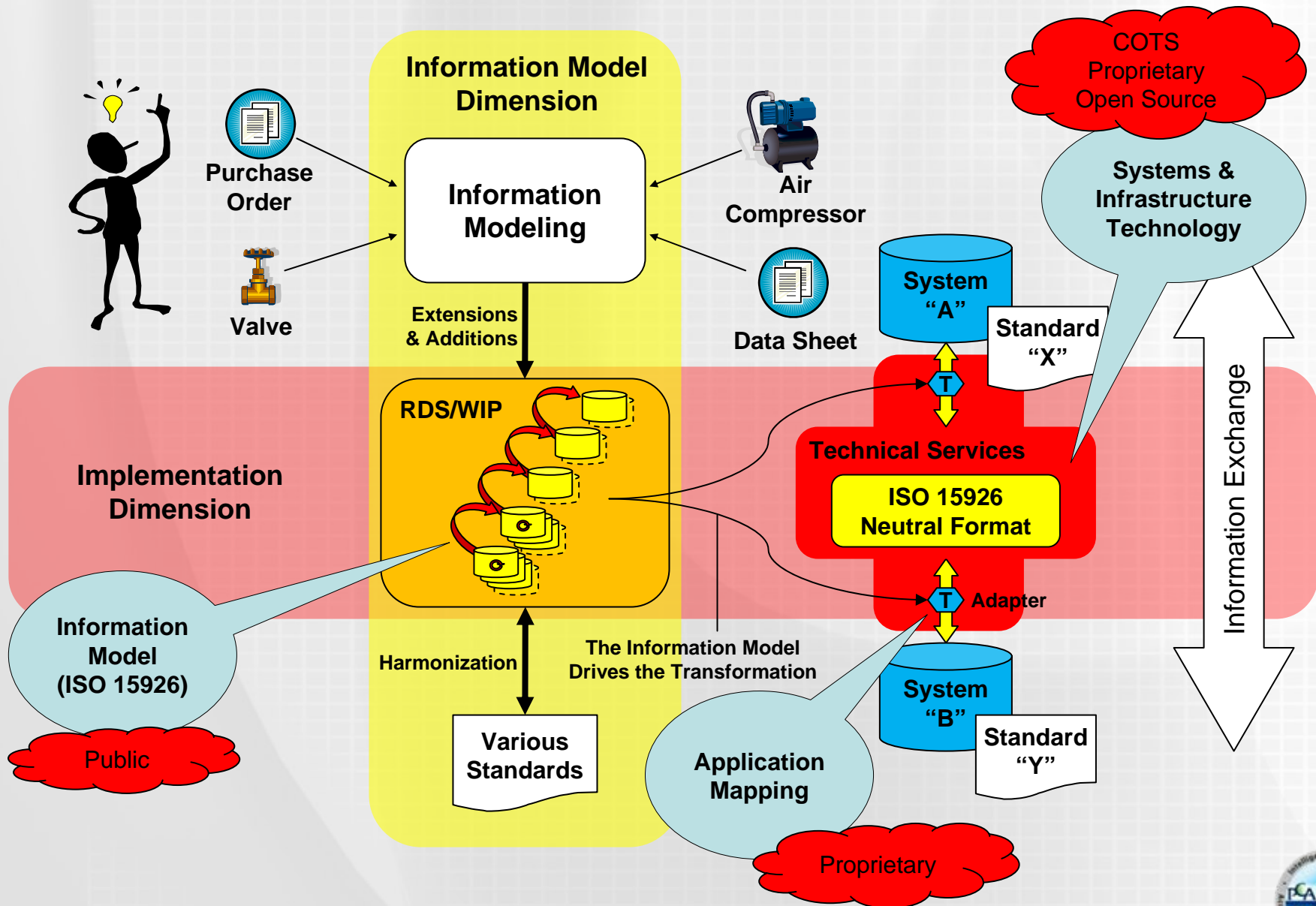




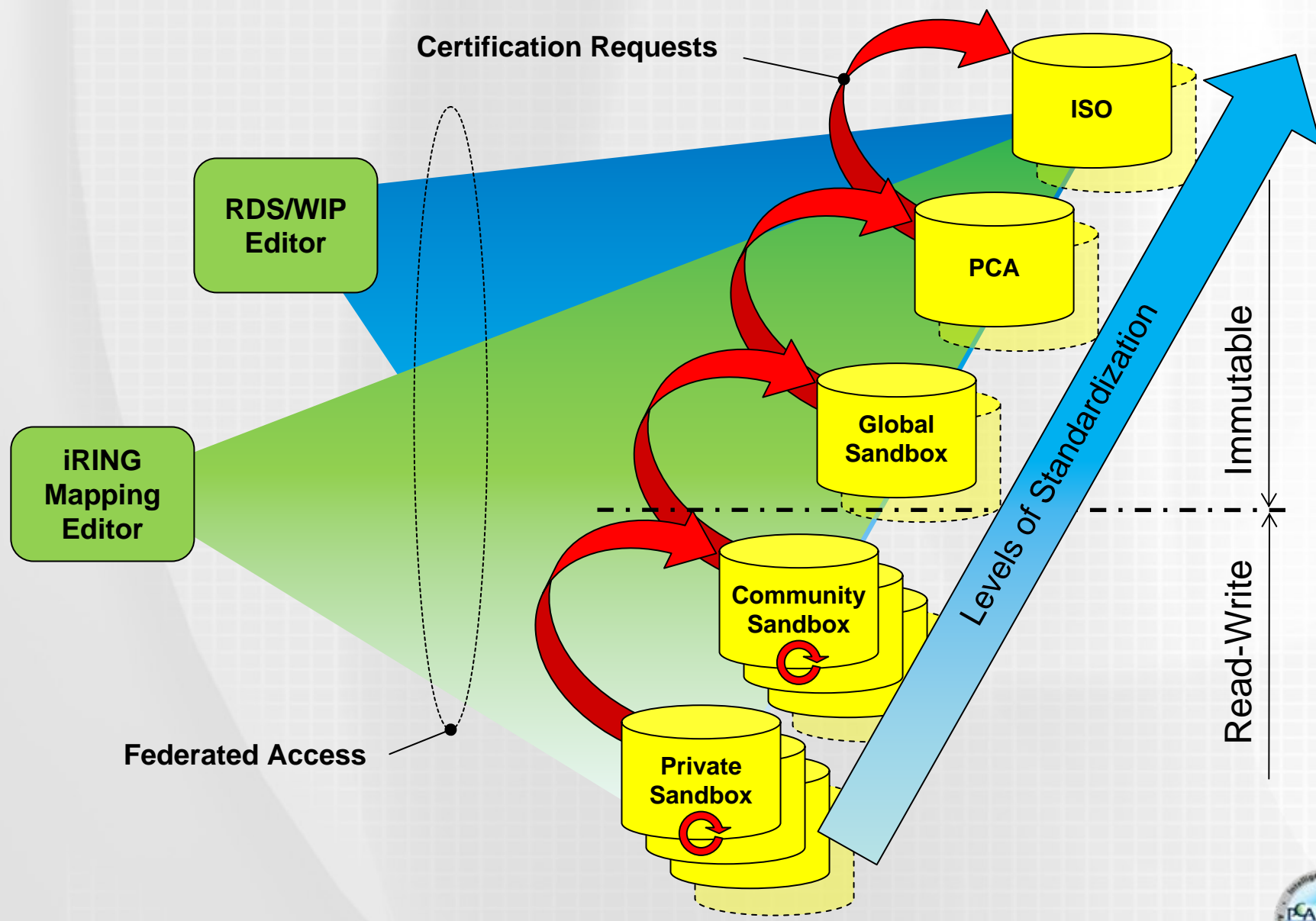
# ISO 15926 “Parts” Analogy



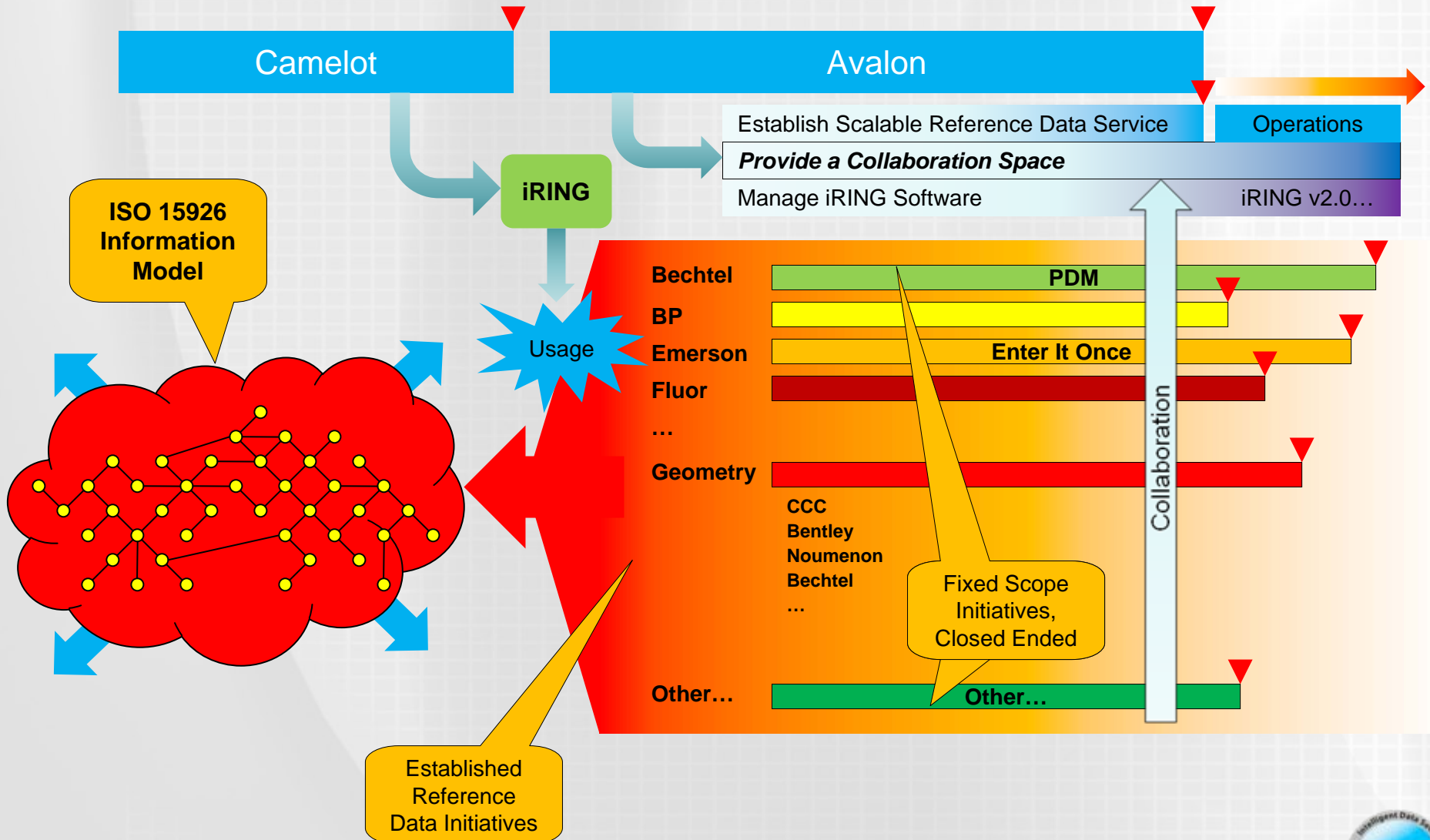
# Model Driven Interoperability



# Reference Data Federation



# Avalon: Content Collaboration



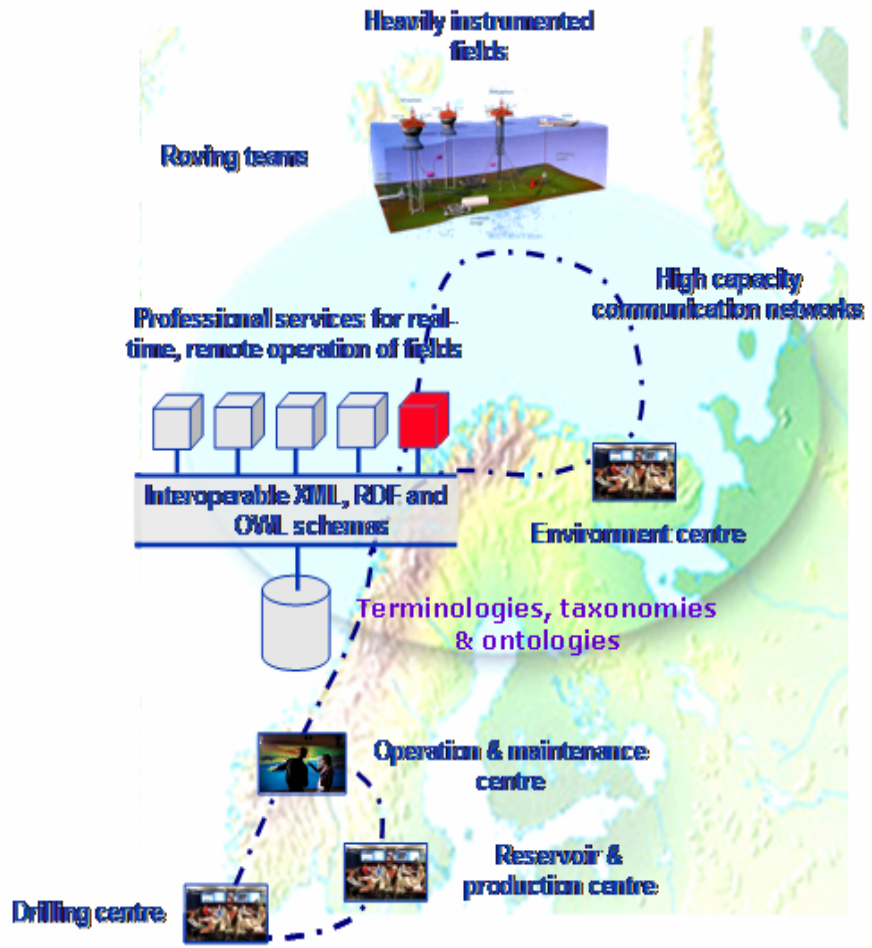
# Integrated Operations in the High North (IOHN) project

- demonstrating a reliable digital platform for IO G2 in the High North

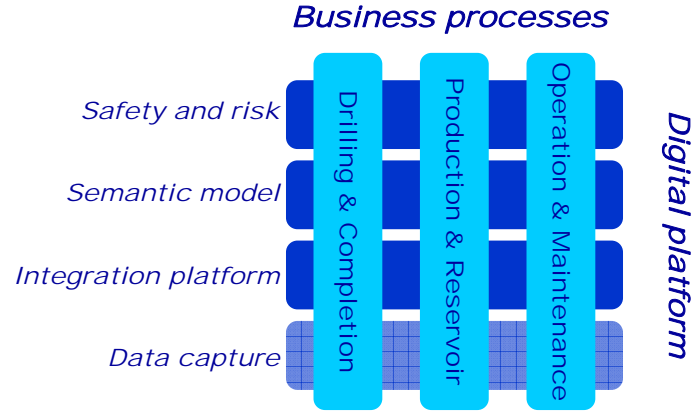


Integrated Operations in the High North – Joint Industry Project

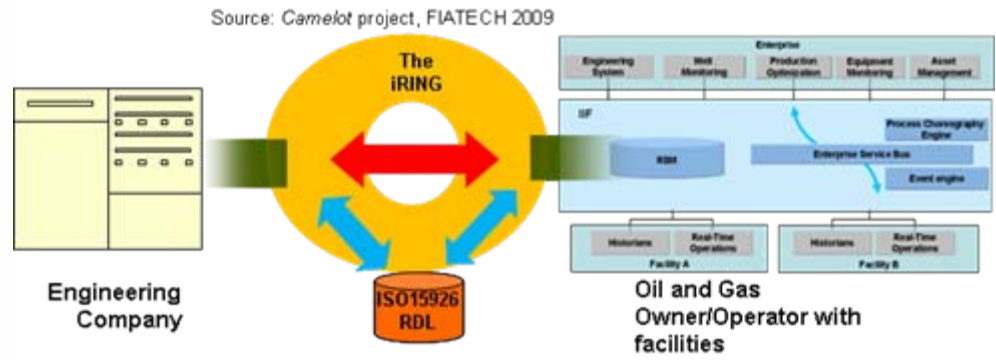
## Project context:



## Project set up:



**Demonstrated use case 2009:** Model instance exchange between operator and engineering company :



Questions?