



Fachtagung · 03. – 04. April 2014 · Chemnitz

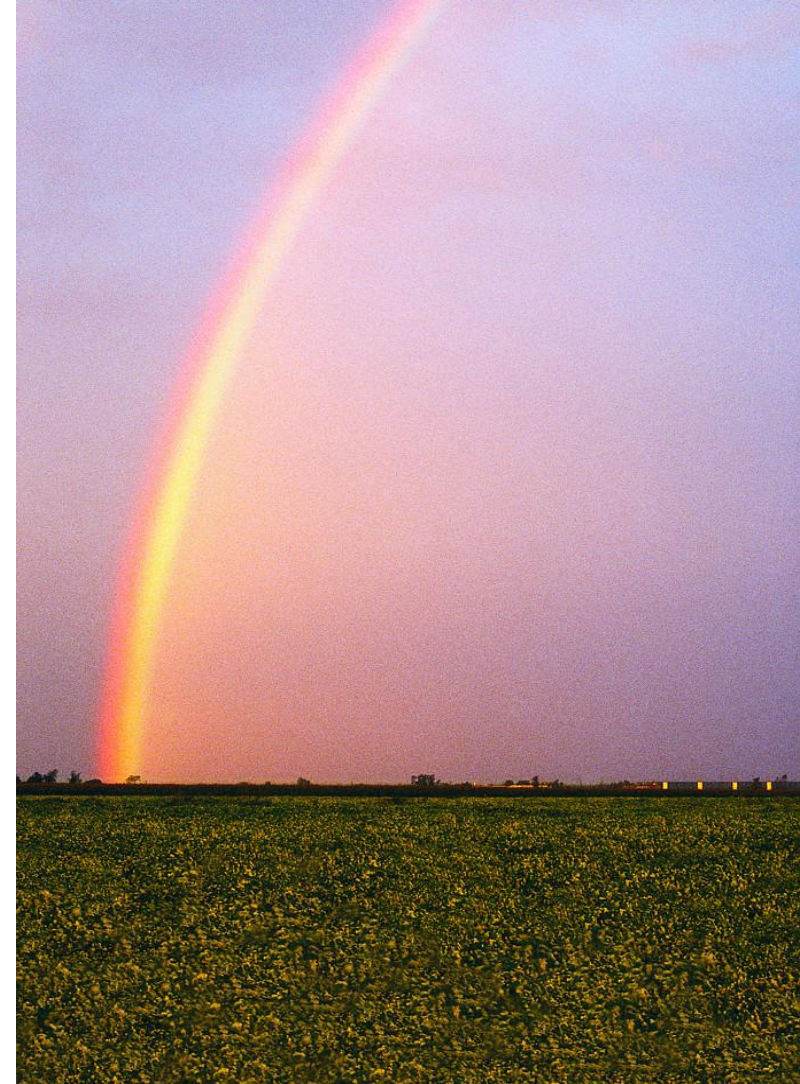
SOFTWARE-MIGRATION *aktuell*

Metadata Application Understanding Software Migration

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Mgr. of Development

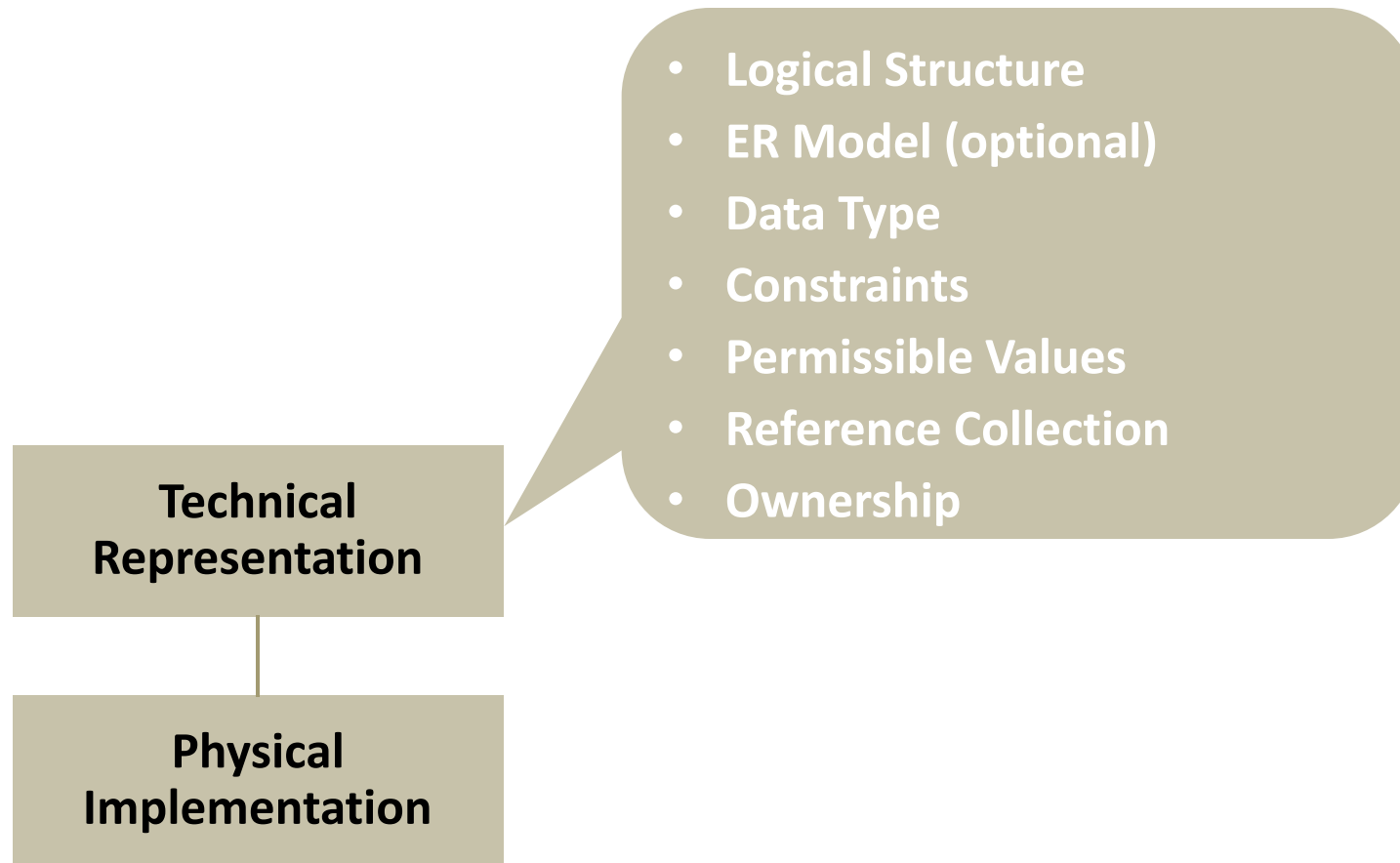
- The Rochade Metadata Landscape
- Governance, Compliancy, Regulation
- The Art to Master it
- About Sharing Information
- New Challenges

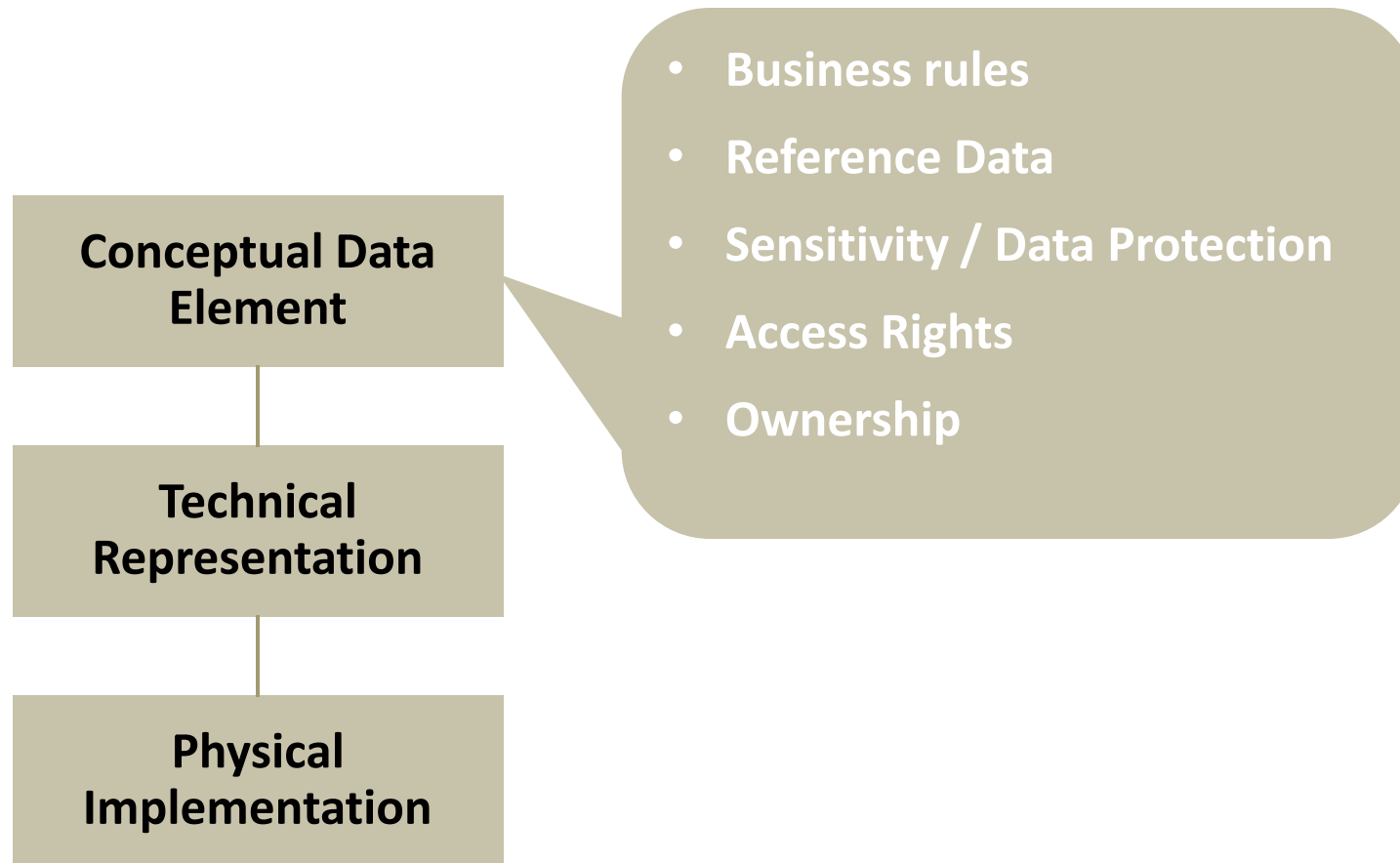
The Rochade Metadata Landscape

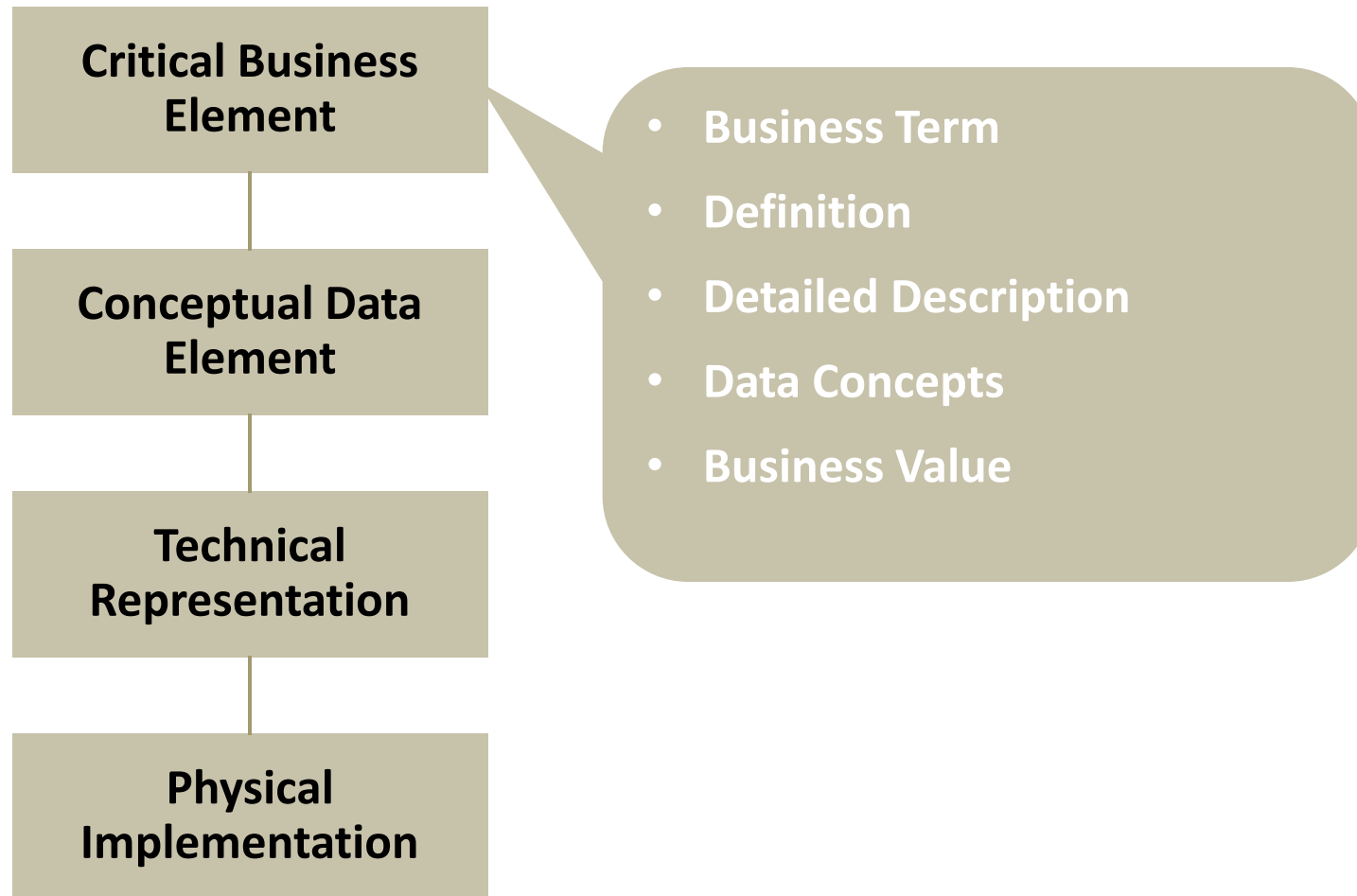


- Physical Structures
 - Type
 - Size
- Location
- Used Values
- Ownership

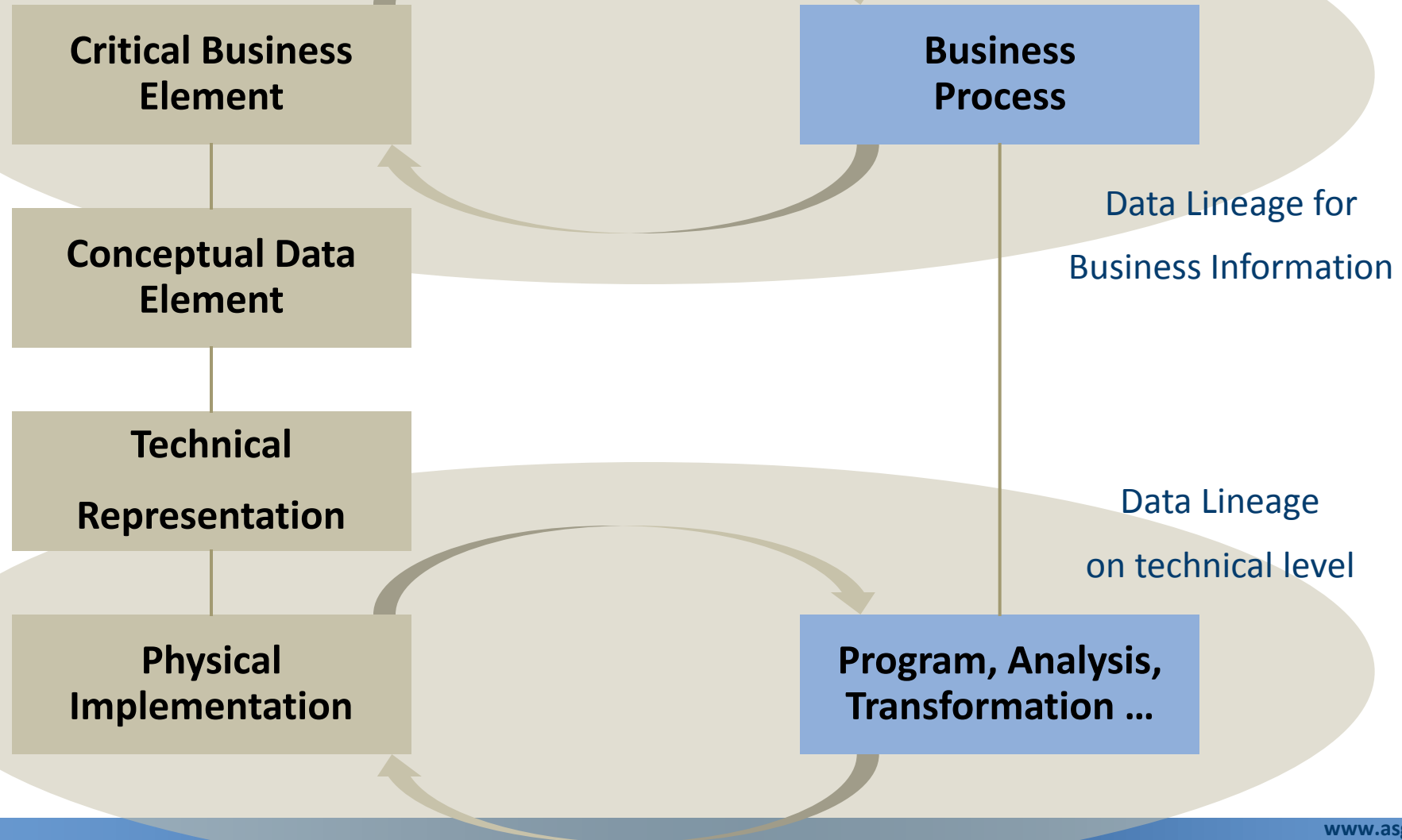
**Physical
Implementation**



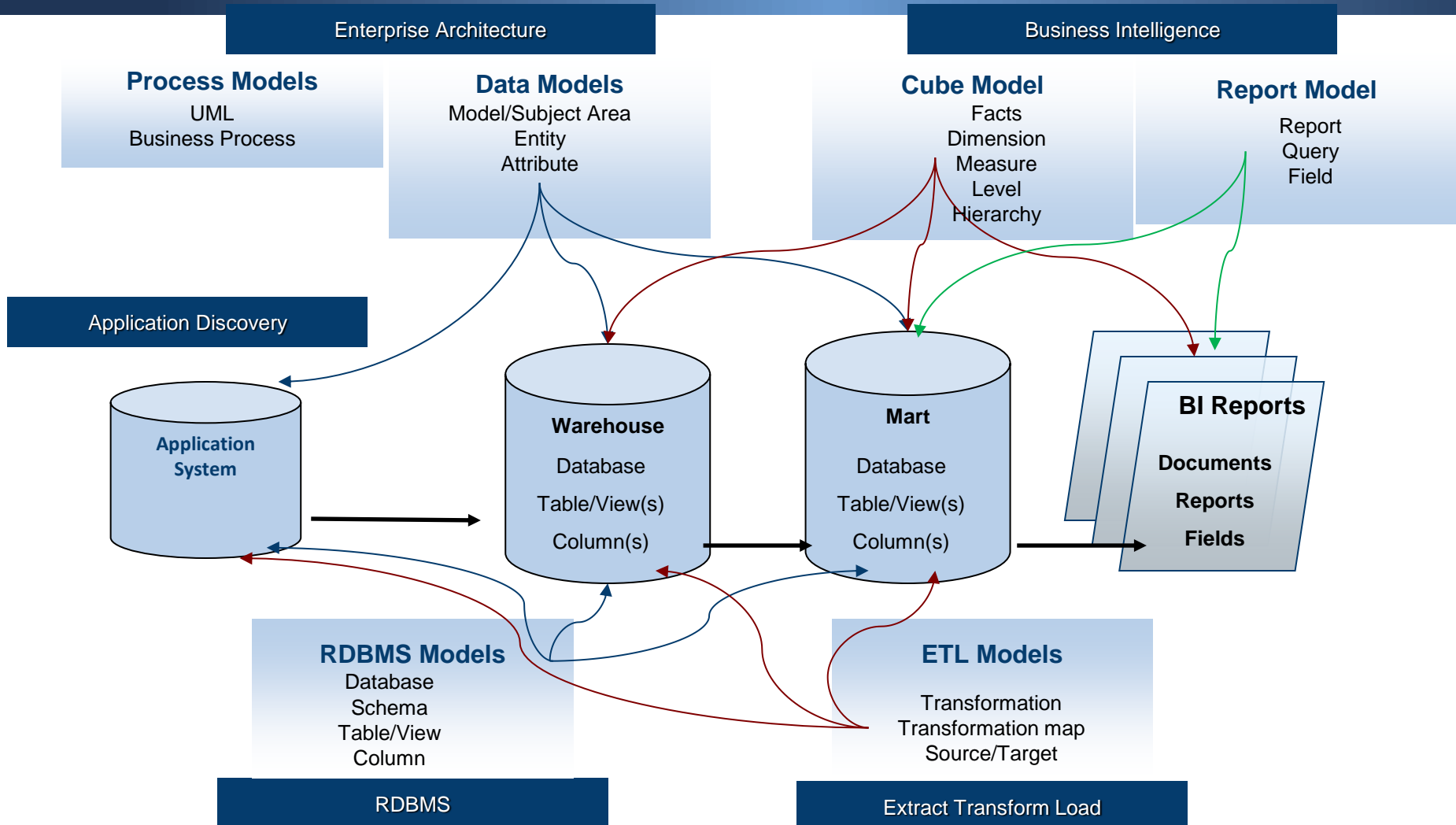




Meta Data Stack and Data Lineage



Metadata Area's of interest



Rochade Interfaces

AD

Assembler

COBOL (pec)
PL/1 (pec)
JAVA (pec)

JCL
SQL
BTEQ

many more via
ASG Becubic's CAE
technology

EA

AllFusion Process Modeler
ARIS Toolset
Borland Together
ControlCenter
CA ERwin Data Modeler
Casewise Corporate Modeler
COOL:Biz
COOL:gen
Embarcadero ER/Studio
IBM Rational Data Architect
IBM Rational Software Modeler
IBM Rational Software
Architect
IBM Rational Systems
Developer
IBM Rational Rose
IBM Rational XDE
Metastorm ProVision
microTool case/4/0
Select Component Architect
Software AG Predict
Sybase PowerDesigner
Telelogic System Architect

RDBMS

Greenplum
IBM DB2/zOS
IBM DB2/UDB
IBM DB2/LUW
IBM iSeries
IBM IMS
IDMS
Microsoft SQL Server
Microsoft Access
MySQL
Nettezza
Oracle
PostgreSQL
Sybase ASE
Teradata

ETL

IBM DataStage
Informatica PowerCenter
Microsoft SSIS
Oracle PL/SQL
Oracle Data Integrator
Oracle Data Warehouse
Builder
Oracle Golden Gate
Teradata BTEQ

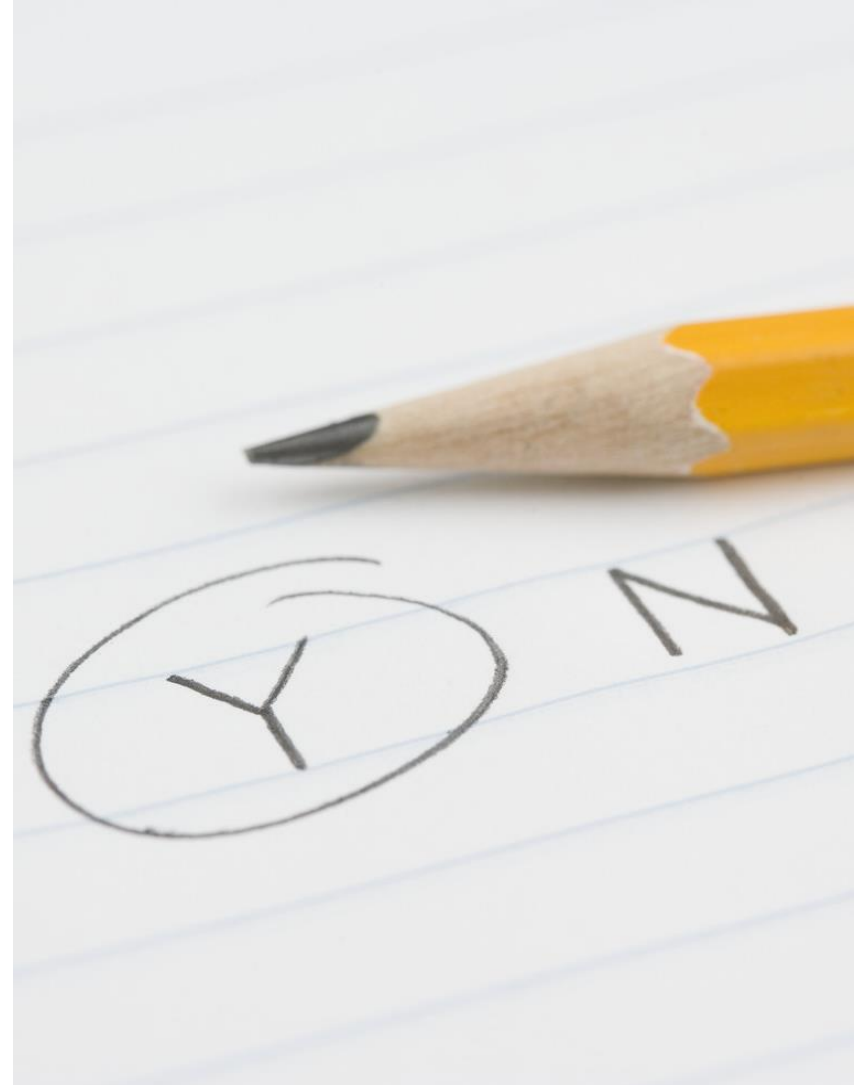
BI

IBM Cognos
MicroStrategy
Microsoft SSRS
Microsoft SSAS
OBIEE
Essbase
SAS
SAP Business Objects
Crystal Reports

(pec) – by pro et con

- Cobol & PL/I 1999
- Java 2001
- Based on compiler technology
- Reliable data flow analysis
- Complete data dictionary

Governance
Compliance
Regulation



- Support and implementation of processes to ensure compliance with regulatory requirements in the business area
- As defined by Government and other regulatory organizations
- Compliance Standards:
 - Sarbanes-Oxley
 - Basel II/III - BCBS 239
 - Solvency
 - HIPAA

Conceptually

- Inventory & Triage
- Identify business critical processes
- Focus on business critical applications
- Legacy application modernization choices
- retaining same technology level

vs.

application migration
-> contact pro et con

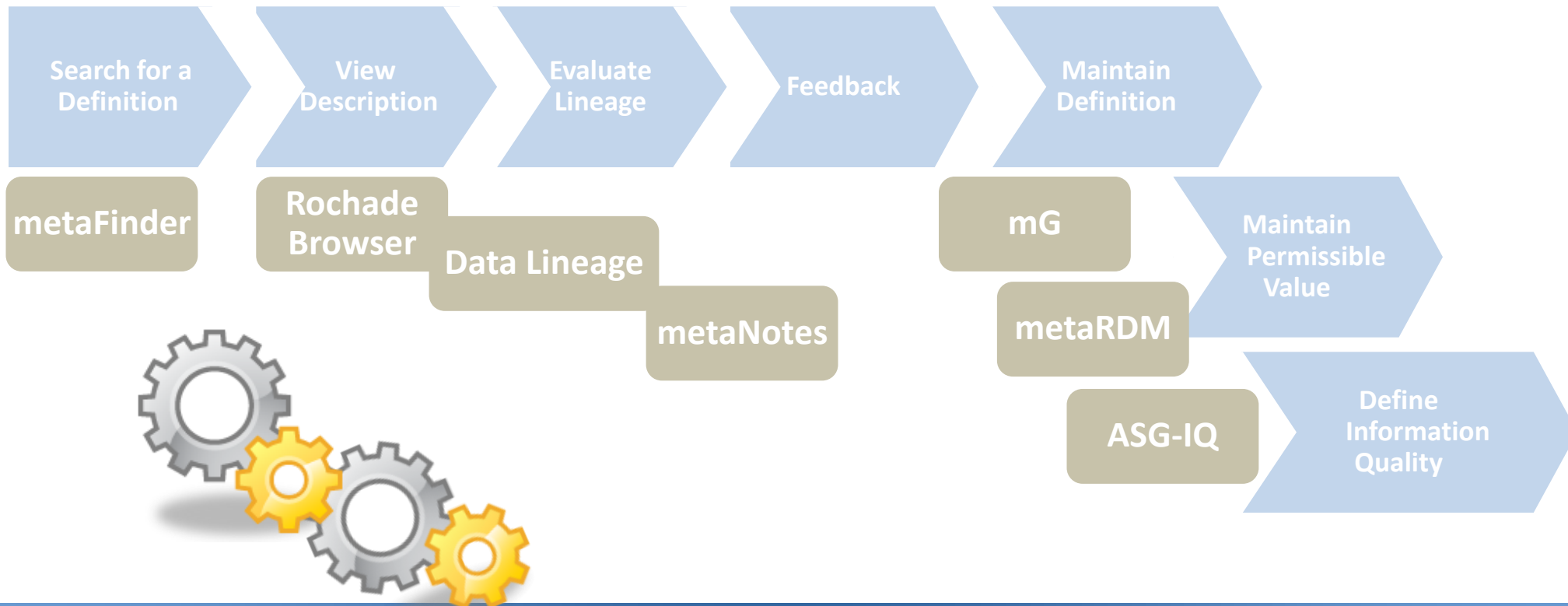
Technically

- Update your business glossary
 - Processes, elements & constraints
- Identify critical business elements
- Observe related business constraints
- Derive technical constraints
- Focus on critical data elements
- Following impact analysis & data lineage leads to
 - critical applications
 - obsolete or redundant applications

Integrated metaApps



COMPLIANCE
Checkup



The Art to Master it



Data Dictionary

It is about technical
implementation

**Technical
Representation**

**Physical
Implementation**



**Critical Business
Element**

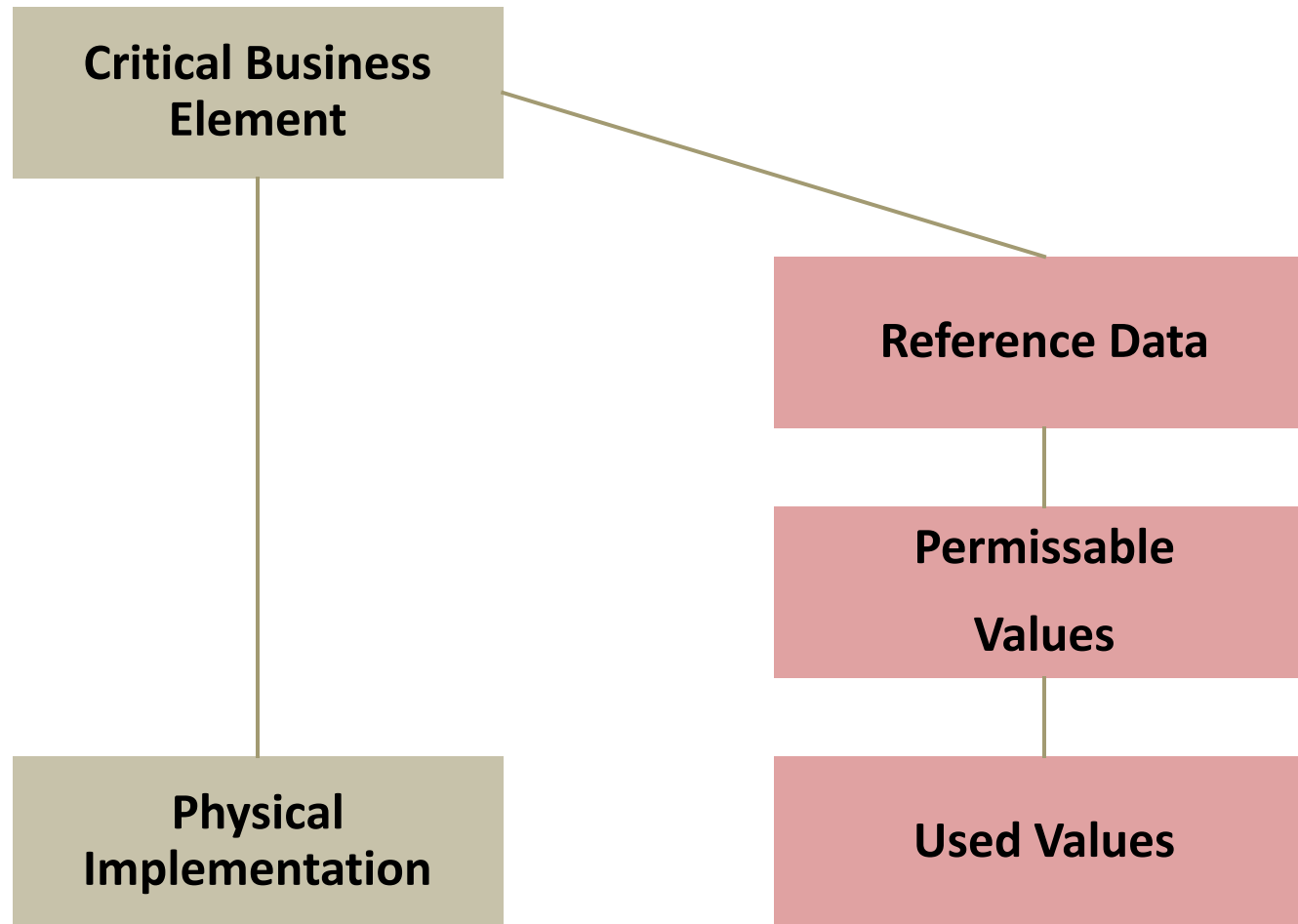
**Physical
Implementation**

It is about Definitions

- Governance
- Compliance
- Transparency
- Location of critical data
- Agreements



Reference Data Management

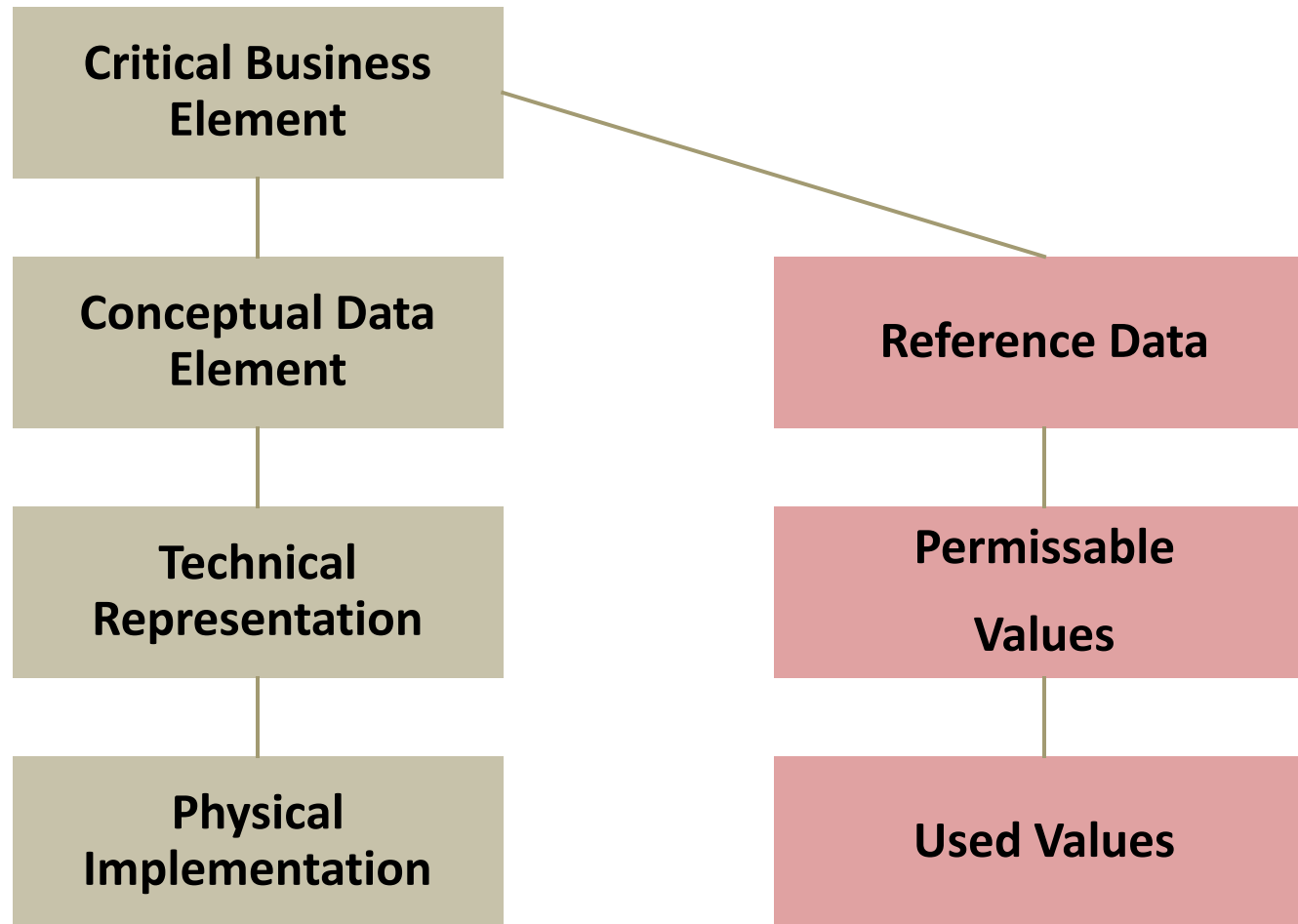


It is about enumerated value domains

- Contents of critical data
- Governance
- Data Privacy
- Application integration



Information Quality Management



It is about information quality

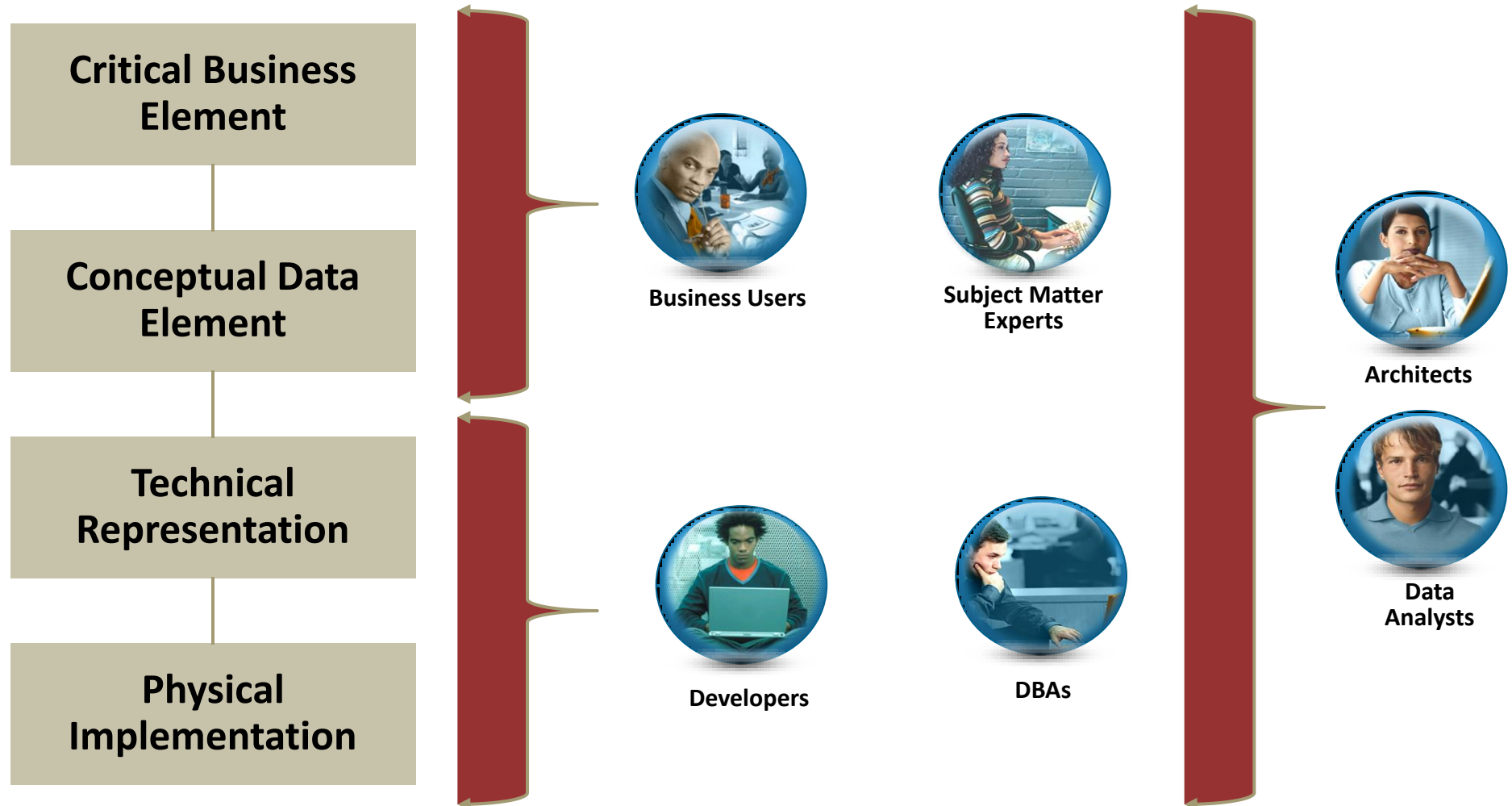
- Governance
- Risk analysis
- Compliance
- Broken information lineage
- Metrics



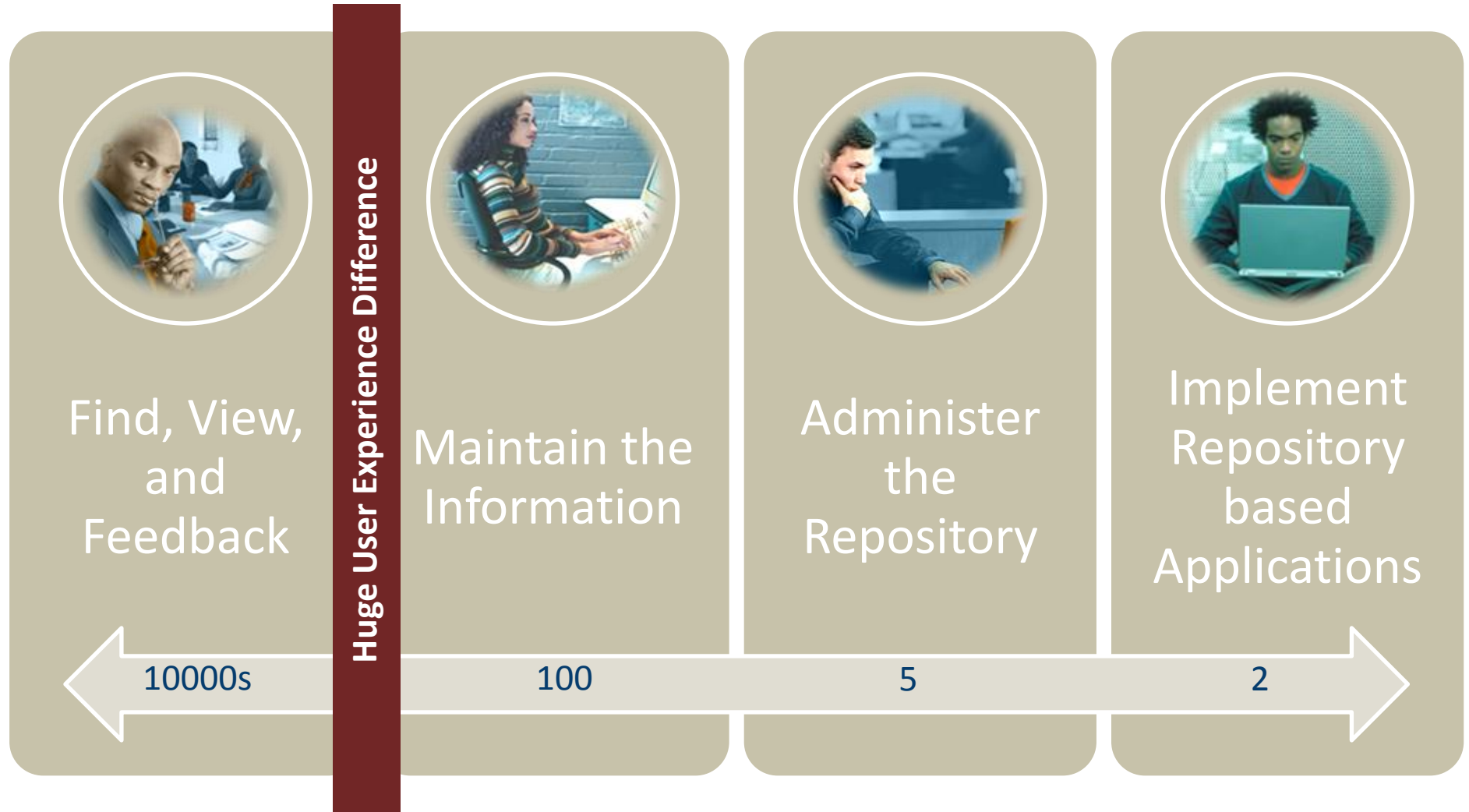
About Sharing Information

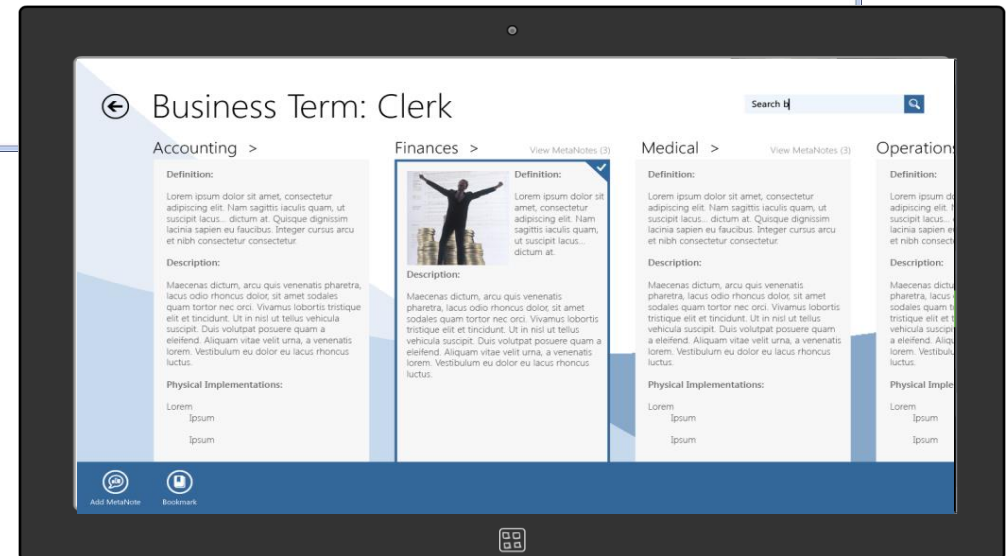
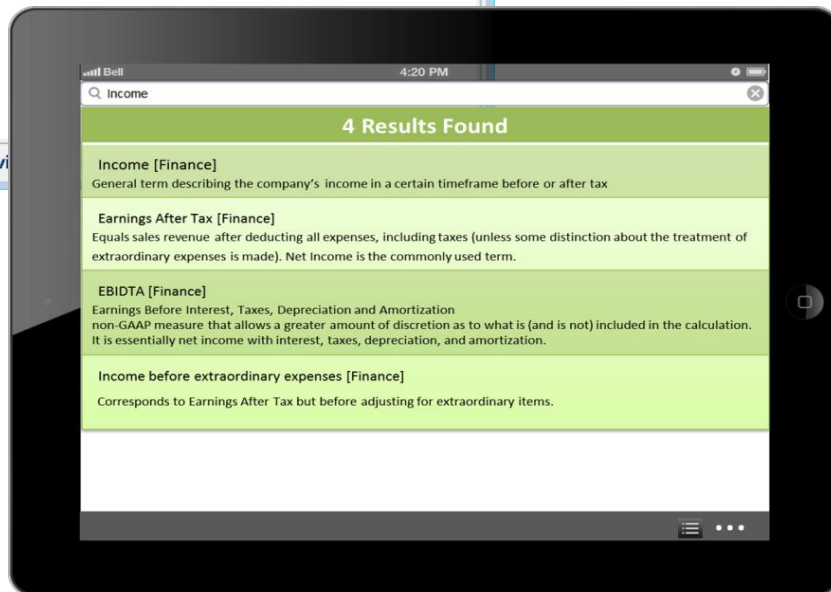
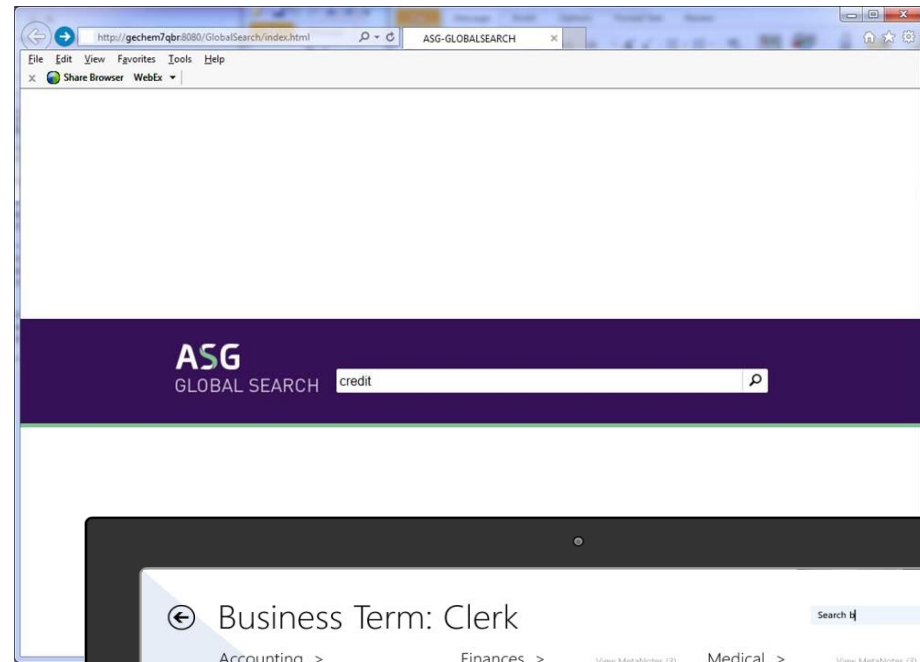
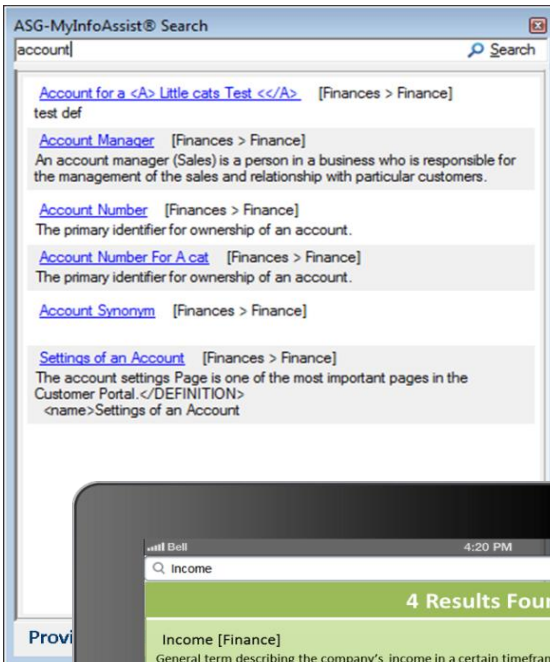


User Communities



User Communities – Paradim Shift



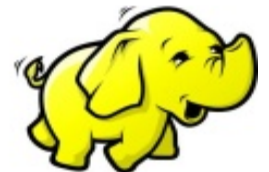


Handle New Challenges

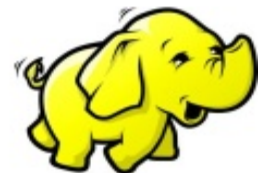
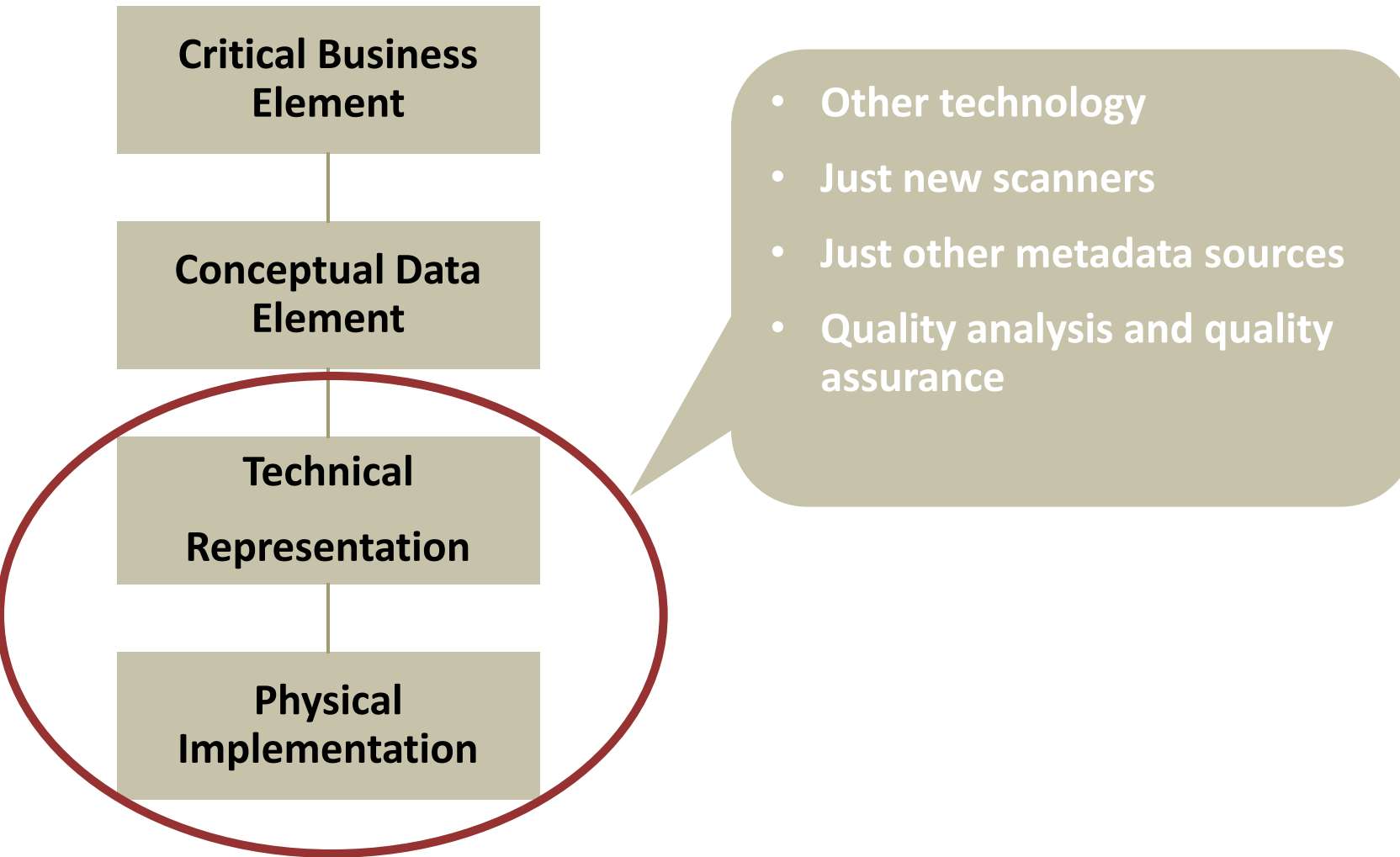


Big Data – Rien Ne Va Plus?

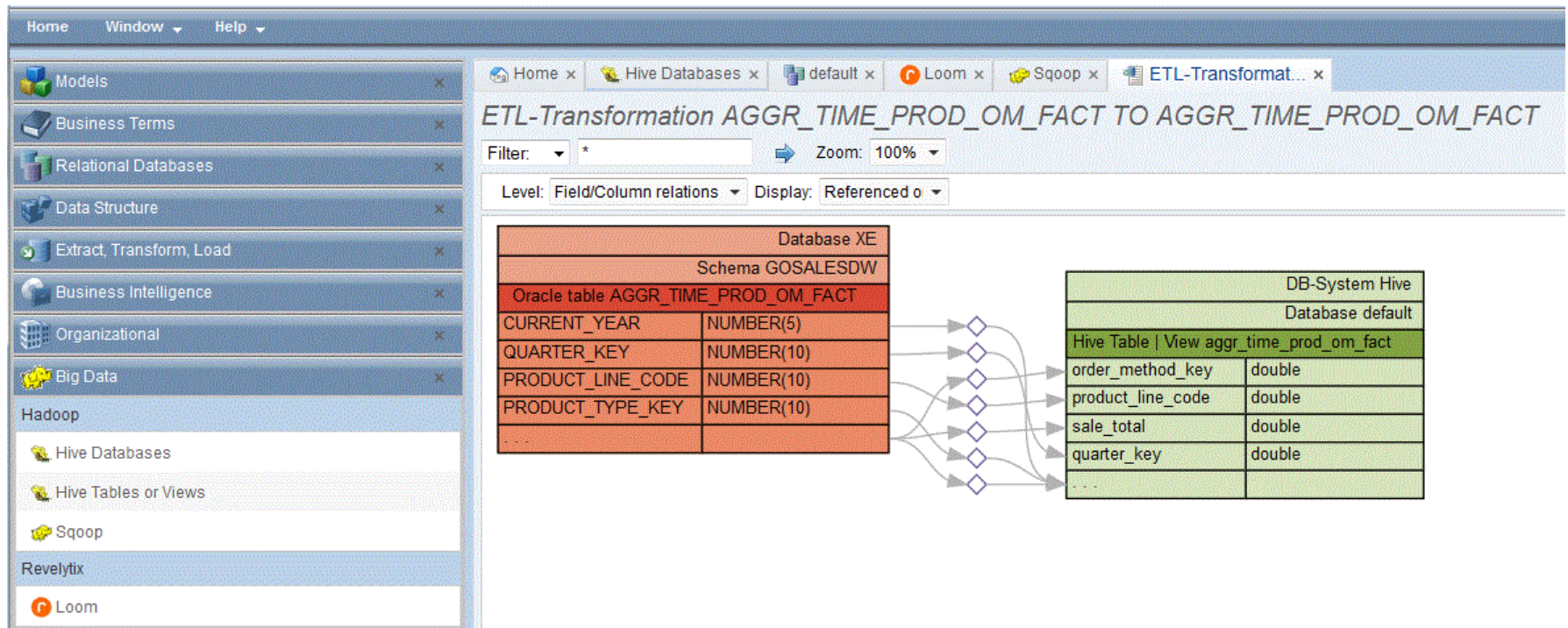
- **Technology** – is different and more data driven
- **Demands** from the Business community are growing
- **Critical Business Information** is growing
- **Reference Data Management** becomes even more important
 - Extended to support tagging
- **Information Quality Management** is shifting the focus
 - From: caring about the quality of your stored information
 - Towards: analyzing and understanding the quality of your stored information
- **Metadata becomes even more important**



It is Almost the Same



- Rochade provides the complete view
 - Provenance, Data Lineage between operational, DW, BI, Big Data
 - Governance for Big Data Metadata





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Vielen Dank

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