

Value and Implications of Master Data Management (MDM) and Metadata Management

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Dimitris A Geragas

GARTNER CONSULTING

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Enterprise Information Management Background

Enterprise Information Management is Never Information

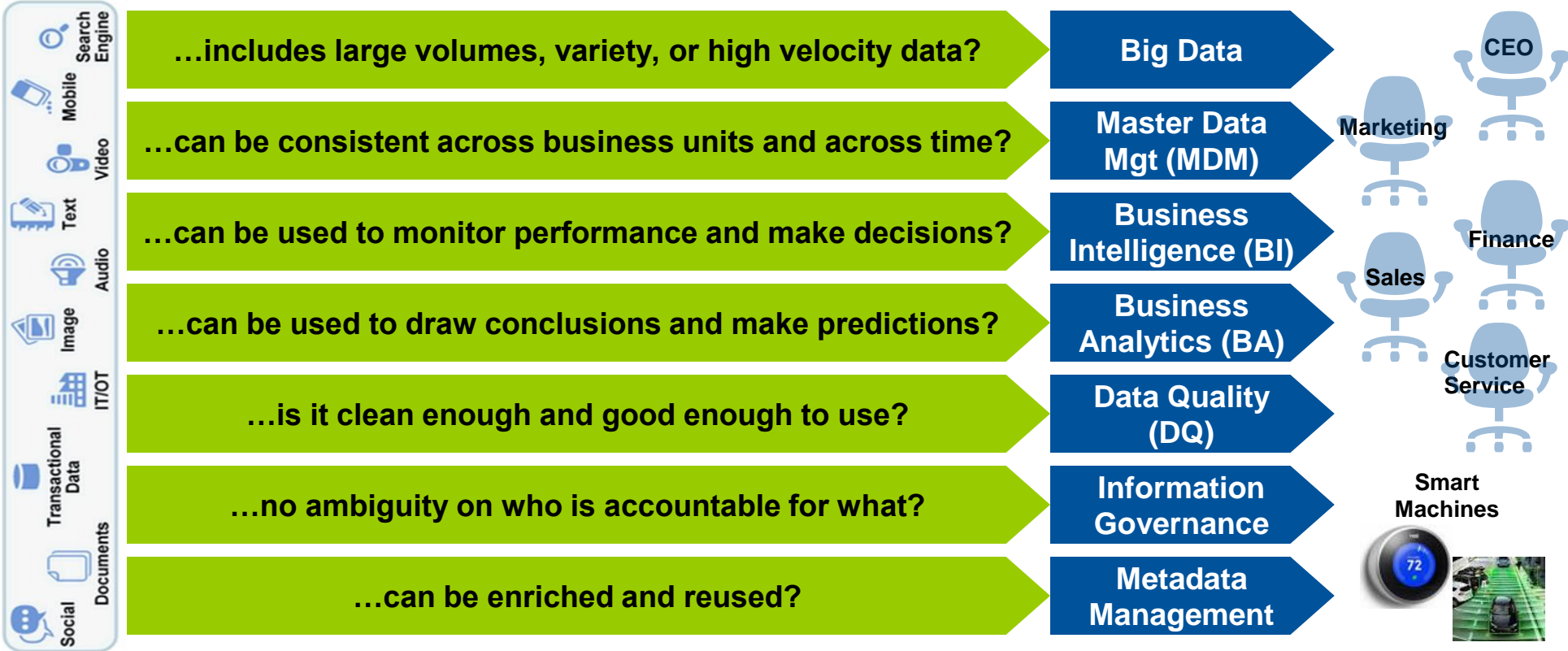
Enterprise Information Management (EIM) is about

- Providing business value
 - Managing information (EIM) to provide business value
 - Setting up a business and IT program to manage information
-
- enterprise*
- cross-disciplinary*

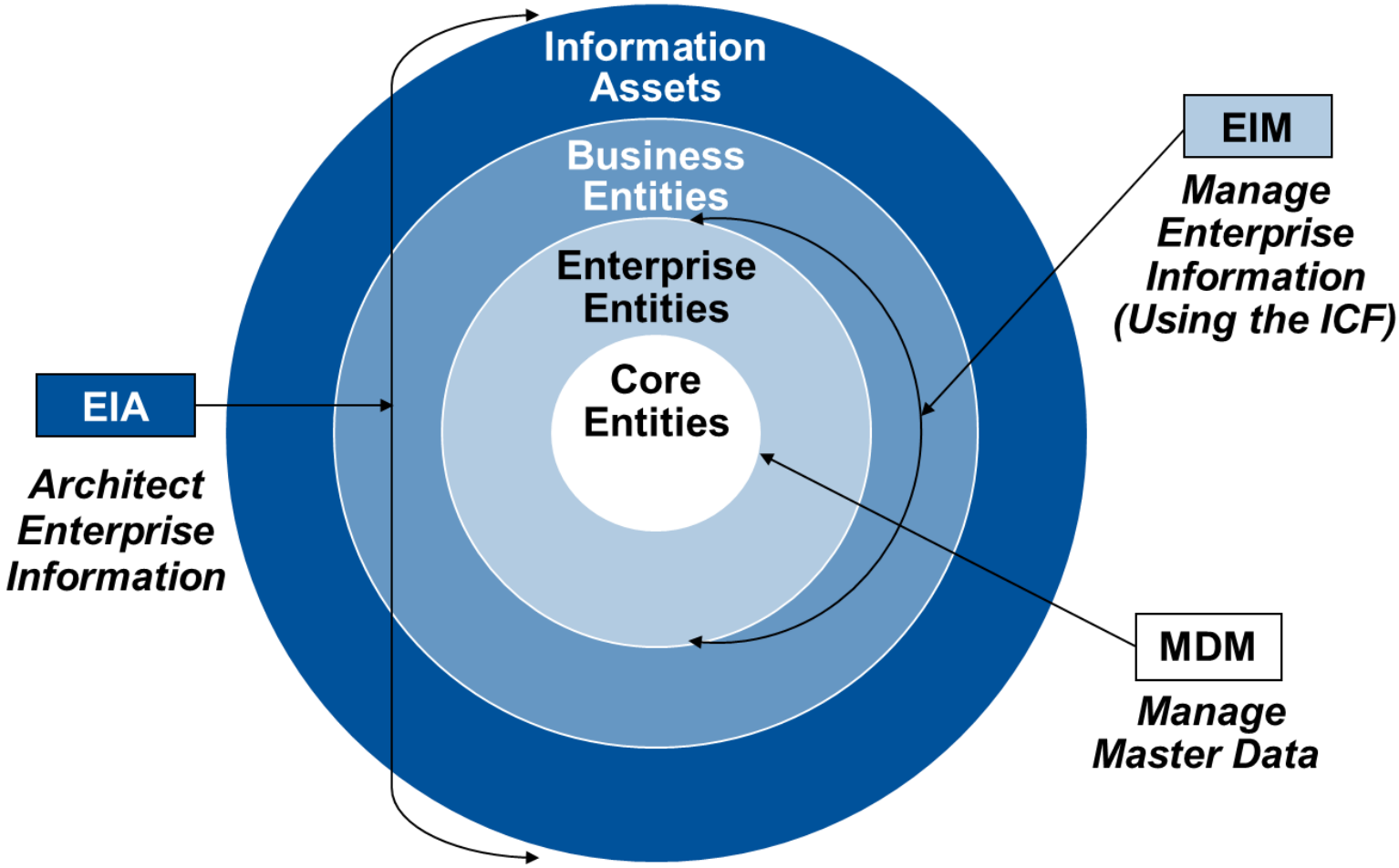
EIM is an integrative discipline for structuring, describing and governing information assets across organizational and technological boundaries.

Enterprise Information Management and the Information-Related Disciplines

Enterprise Information Management (EIM) is about how information gets from a multitude of sources to a multitude of consumers in a relevant, timely and consumable way?



Enterprise Information Management Scope





Master Data Management Background

Why MDM

Different Hymn Sheets

Operations Customer Service



Ops
Process

Sales
Process

Mfg.
Process



Ops
Data

Sales
Data

Mfg.
Data

OR?

One Hymn Sheet

Operations Customer Service



Ops
Process

Sales
Process

Mfg.
Process



Ops

Sales

Mfg.

MDM

Before After

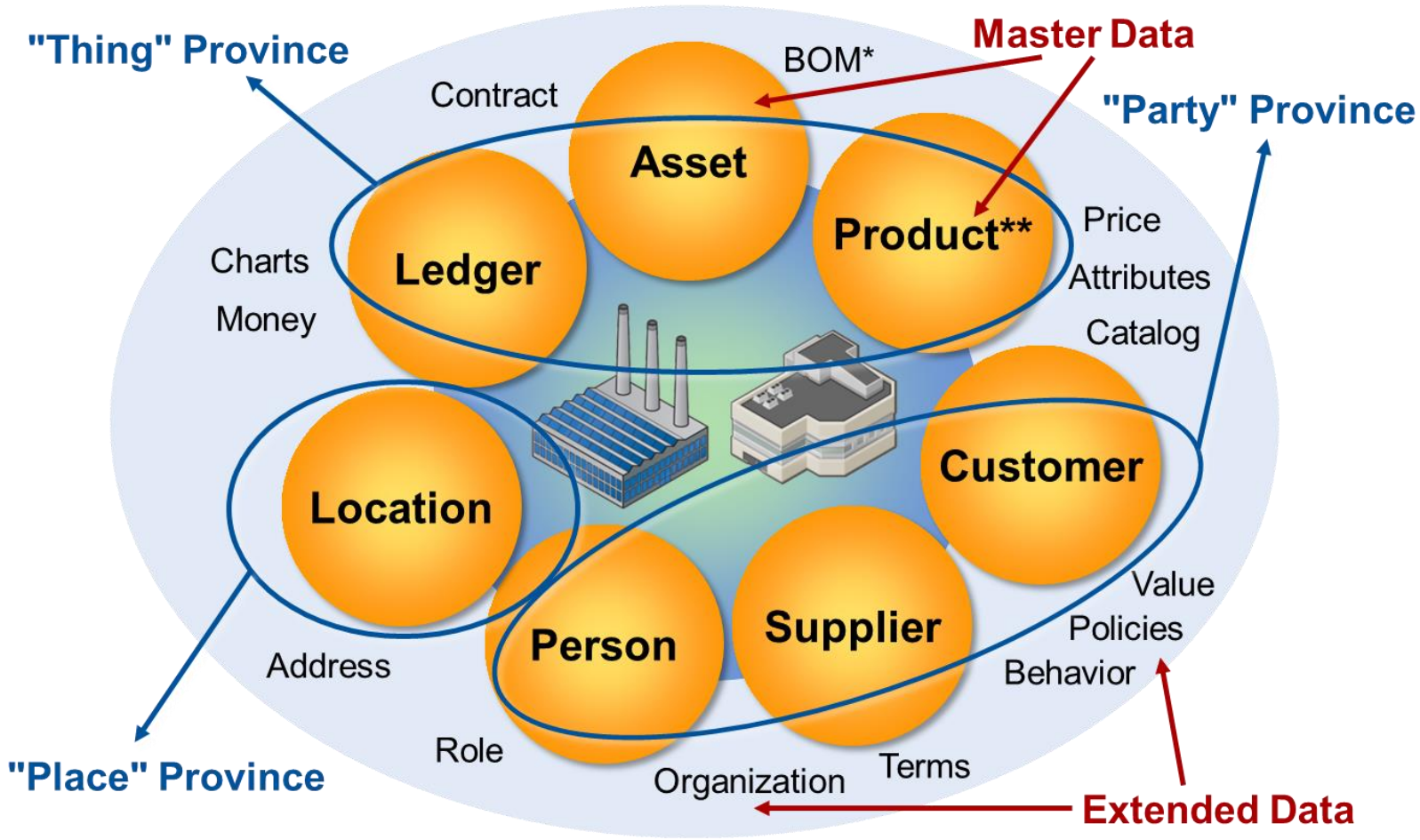
Some Definitions

Master Data: A consistent and uniform set of identifiers and attributes that describe the core entities of the enterprise, and are used across multiple business processes.



Master Data Management: Technology-enabled discipline in which business and the IT organization work together to ensure the uniformity, accuracy, stewardship, semantic consistency, and accountability of the enterprise's official, shared master data assets.

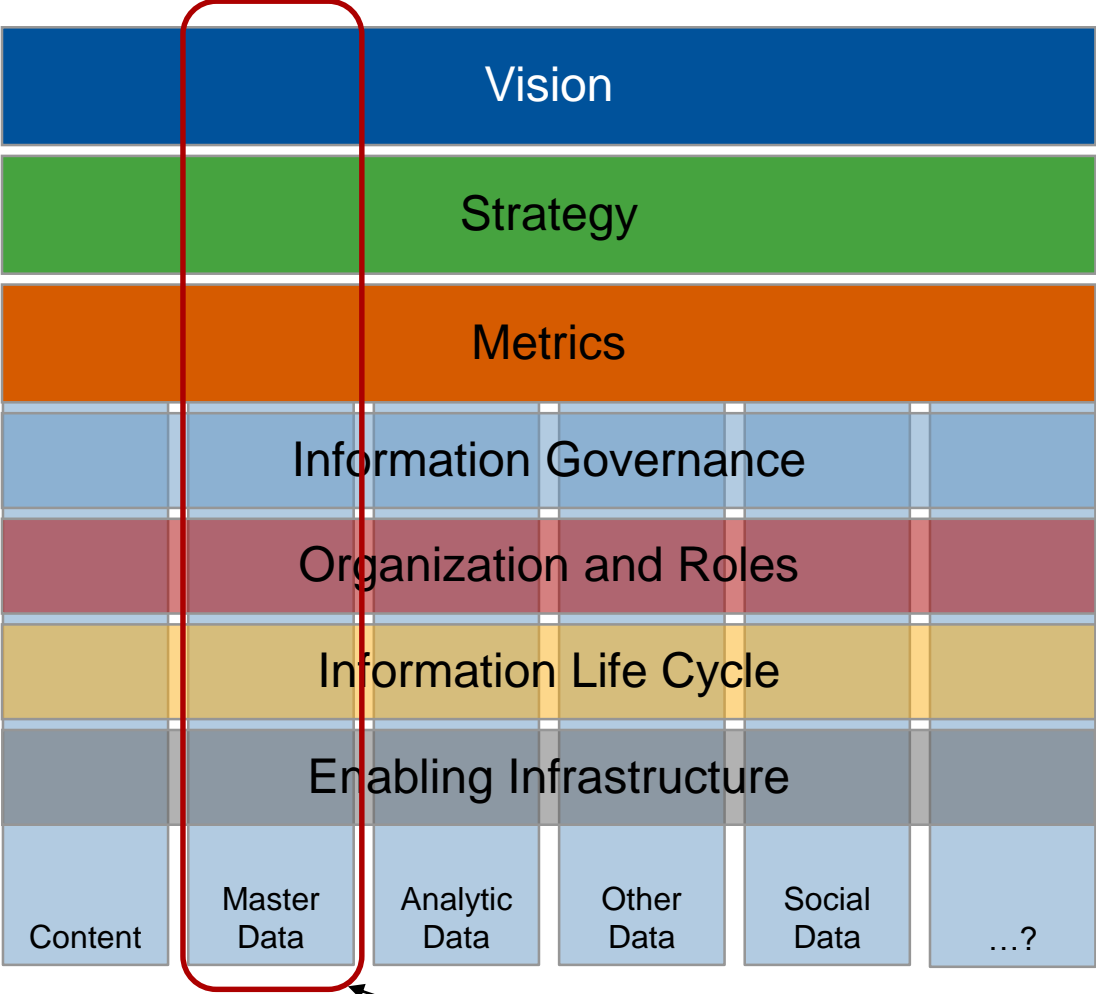
Master Data Domains





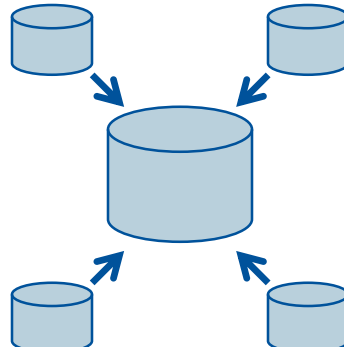
Master Data Management Implementation

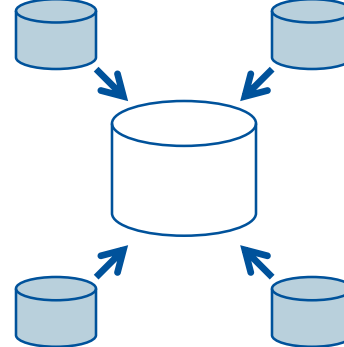
Enterprise Information Management Framework

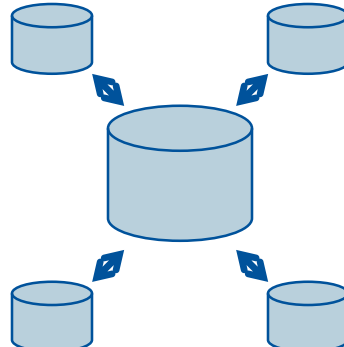


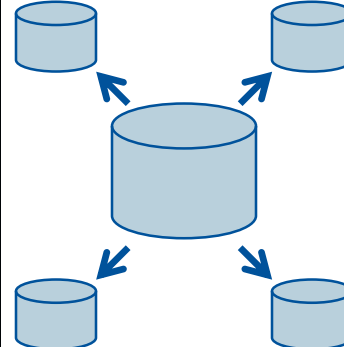
Master Data Management

MDM Vision and Strategy Critical Vector – Implementation Styles

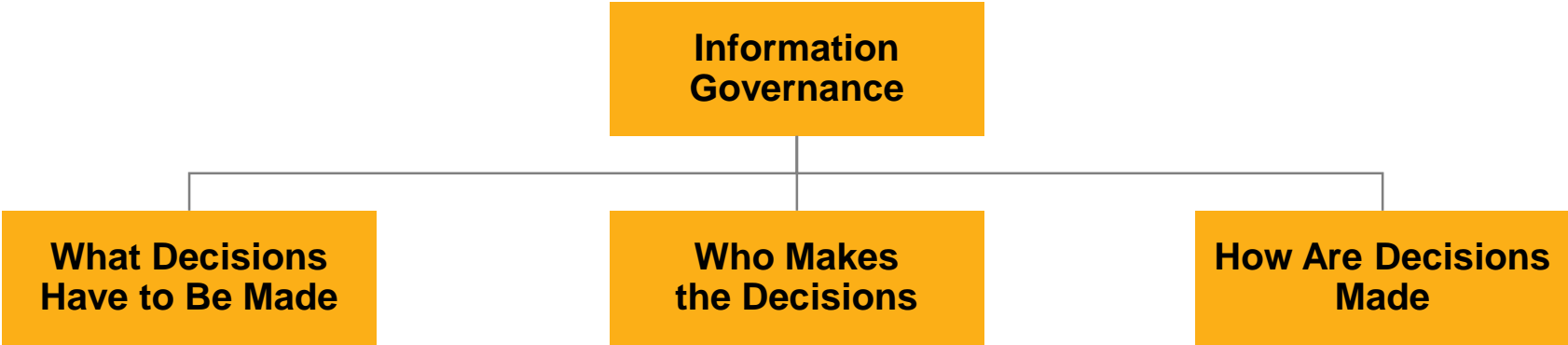
Consolidation	Downstream reporting or analytics
<ul style="list-style-type: none"> ▪ Nonintrusive to the business ▪ BI is the business platform ▪ Any industry ▪ BI strategy depended ▪ No attempt to clean up source 	

Registry	Low control, autonomous environments
<ul style="list-style-type: none"> ▪ Nonintrusive to edge applications ▪ Emphasis is on remote data and application-to-application integration ▪ Distributed governance ▪ Faster to implement than coexistence and centralized 	

Coexistence	Large-scale distributed model
<ul style="list-style-type: none"> ▪ Largest change to information infrastructure ▪ Greatest need to mirror data ▪ Global and local governance ▪ Greatest risk over control, security ▪ Focused on shared services 	

Centralized	High-control, top-down environments
<ul style="list-style-type: none"> ▪ Largest change to application infrastructure ▪ Hugely invasive to the business ▪ Centralized governance ▪ Greatest control over access, security ▪ Focus on common services 	

Information Governance establishes decision rights, and assigns authority for MDM



Establish Policy

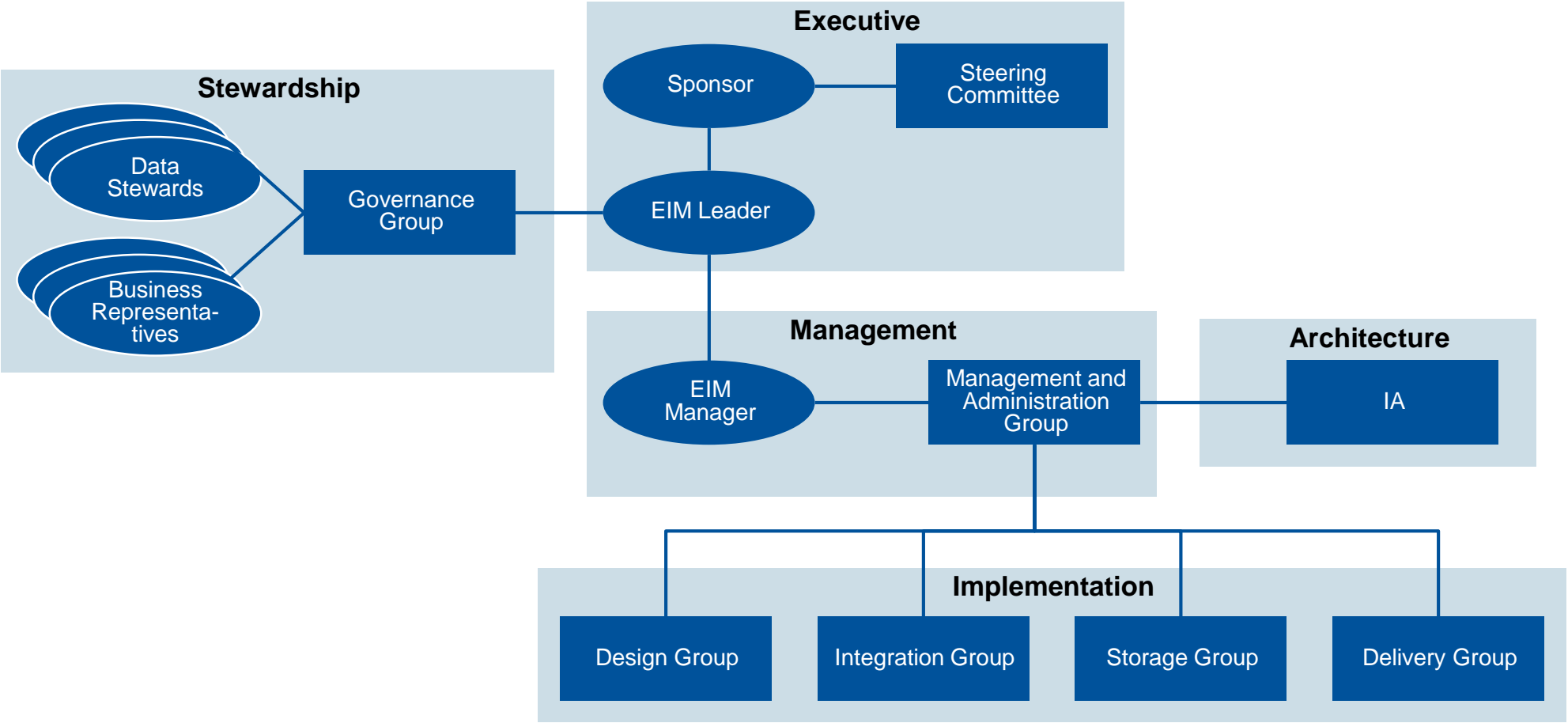


Assign Responsibility

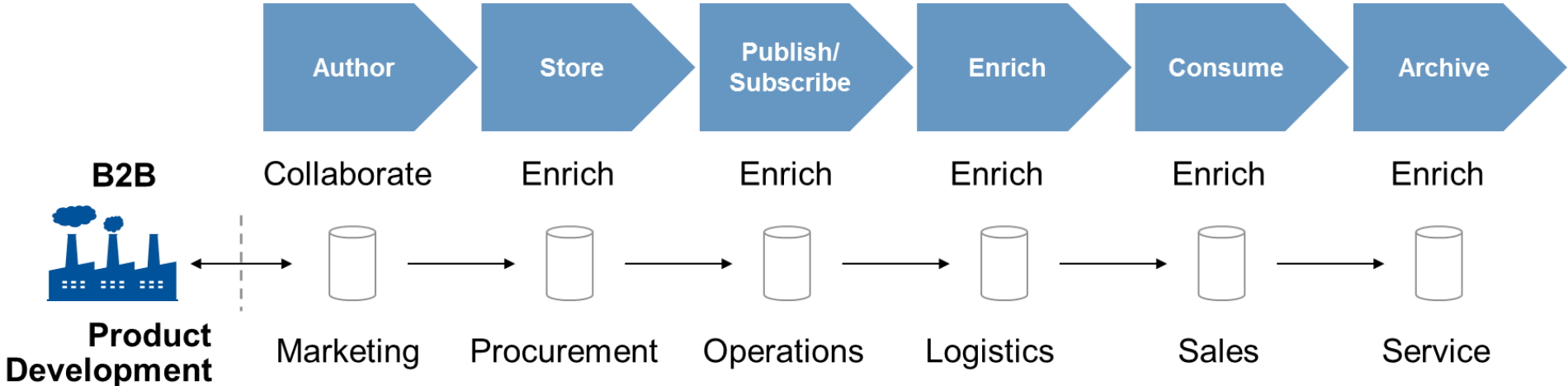


Encourage and Enforce

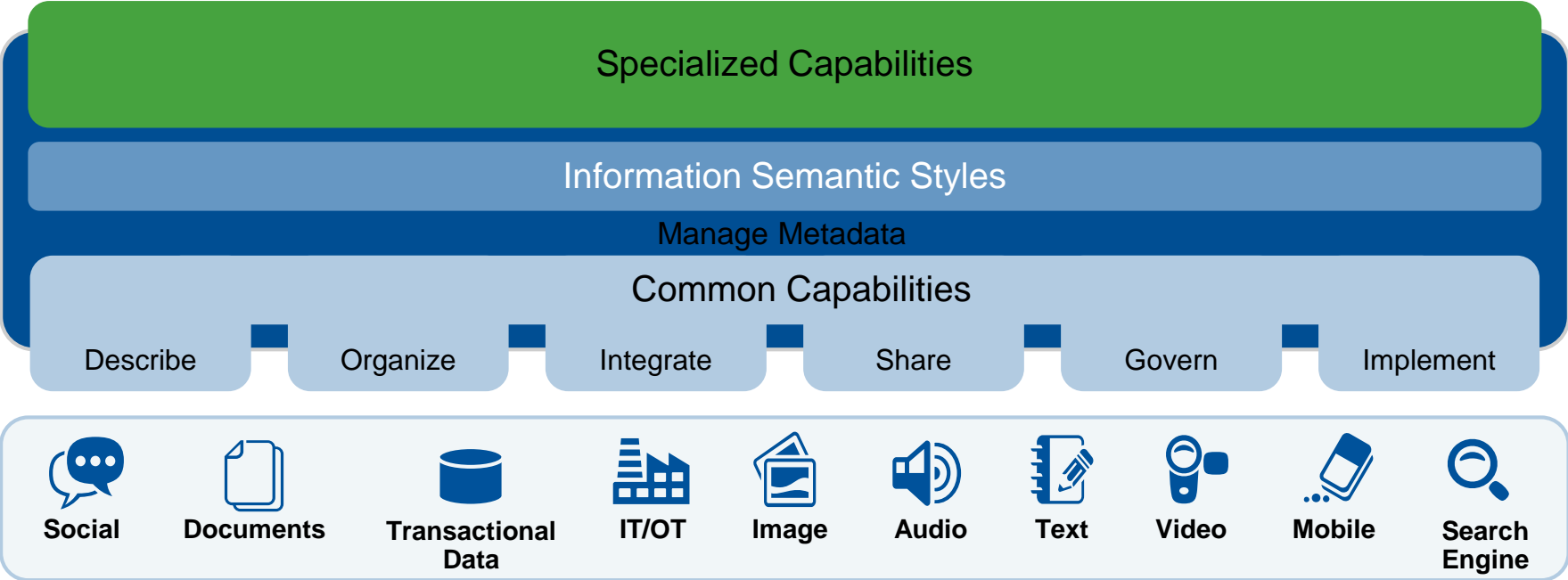
Organization and Roles forms the group and organizational structures to implement MDM



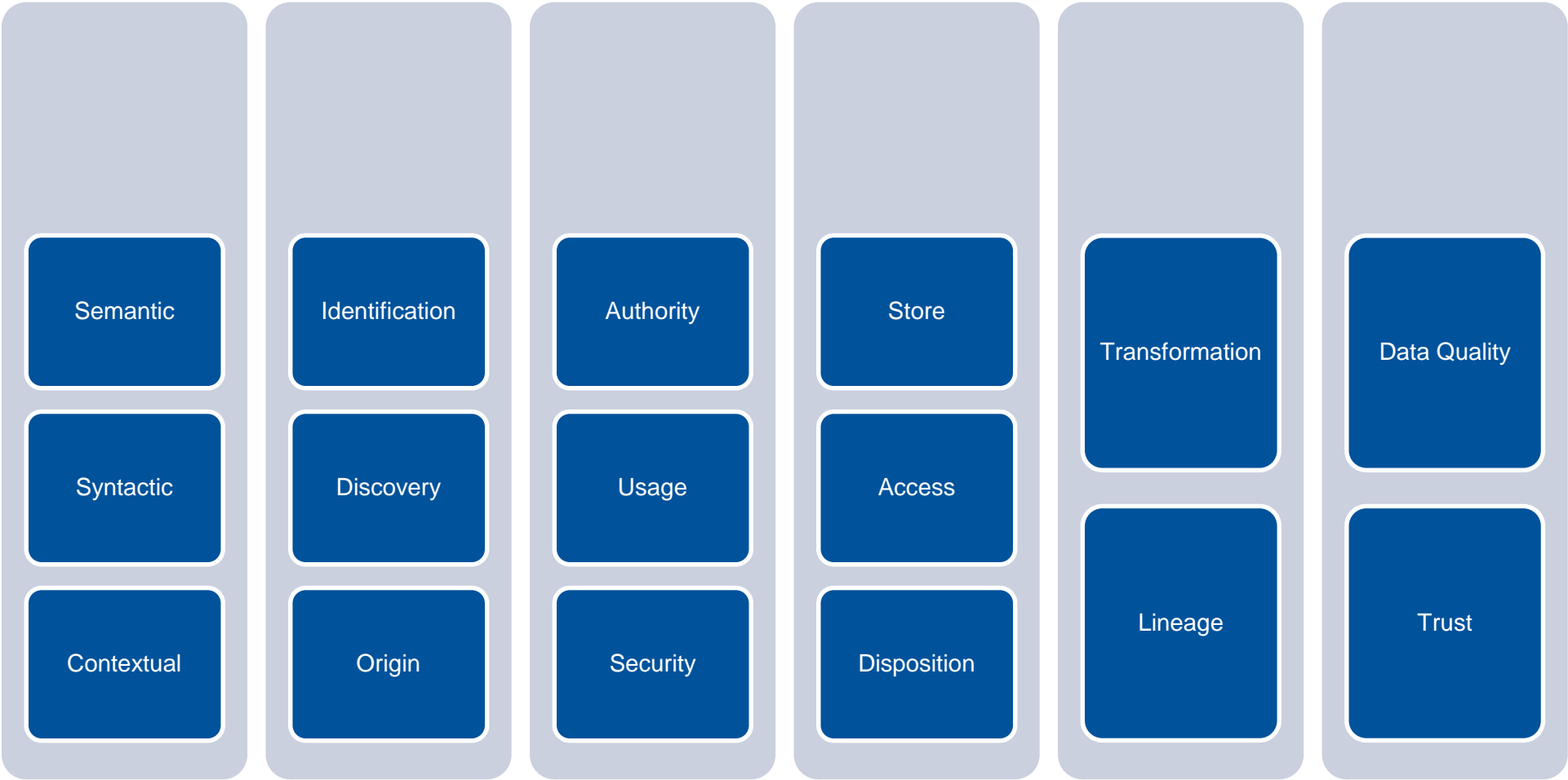
Information Life Cycle depicts the flow of information and activities where MDM is focused



Enabling Infrastructure provides the technology capabilities to implement the EIM



The Role of Metadata





Complexities and Conclusion

Strategic Dilemmas

Centralised



Decentralised

Short Term



Long Term

Share



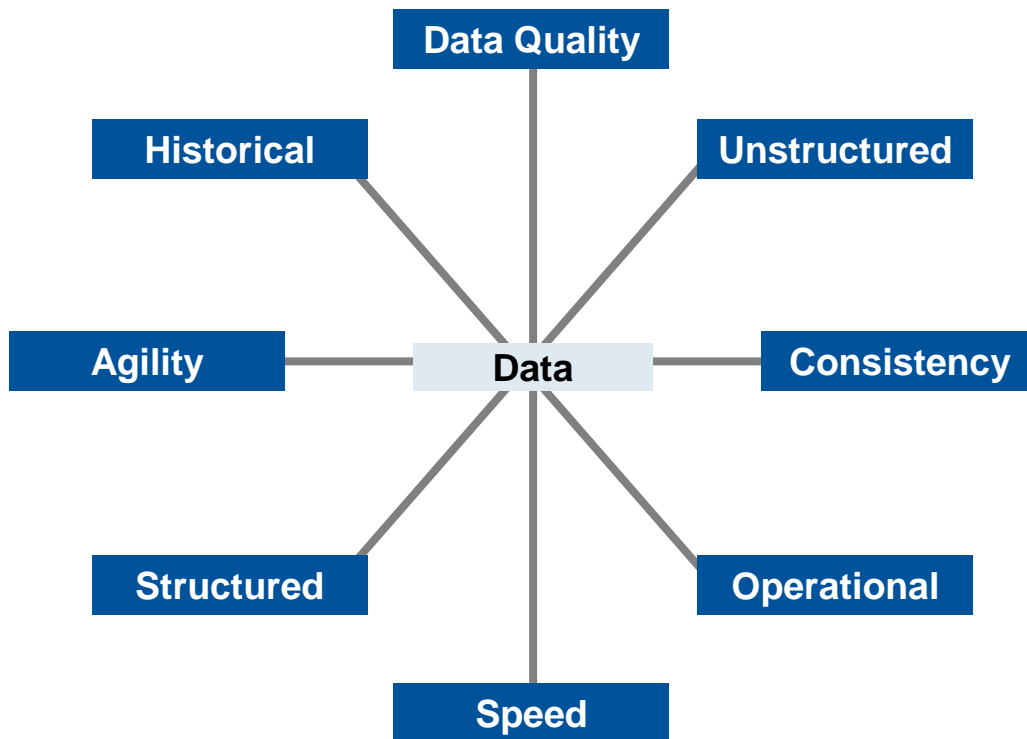
Protect

The answer to all strategic EIM-related dilemmas is “both.”

There are NO RIGHT OR WRONG answers in EIM, and the most powerful factor is the reallocation of authority and movement of money.

Ultimately, EIM requires a POLITICAL POWER SHIFT in the organization.

Tactical Dilemmas

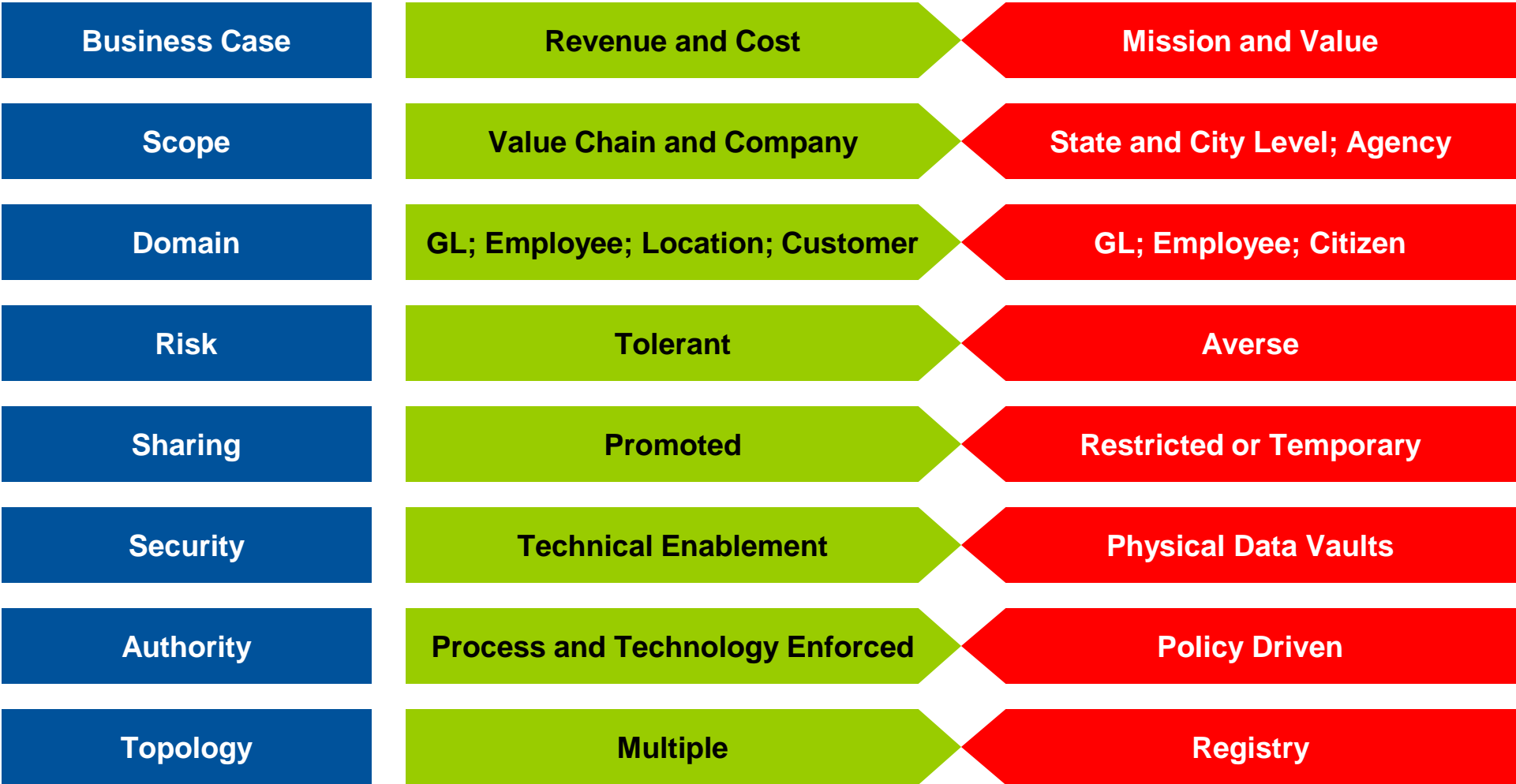


The answer to all implementation EIM-related dilemmas is “it depends.”

There are NO RIGHT OR WRONG answers in EIM, and the most powerful factor are the priority and needs of the client.

Ultimately, EIM requires a DELIBERATE and ARCHITECTED approach in the organization.

Commercial v. Public Sector



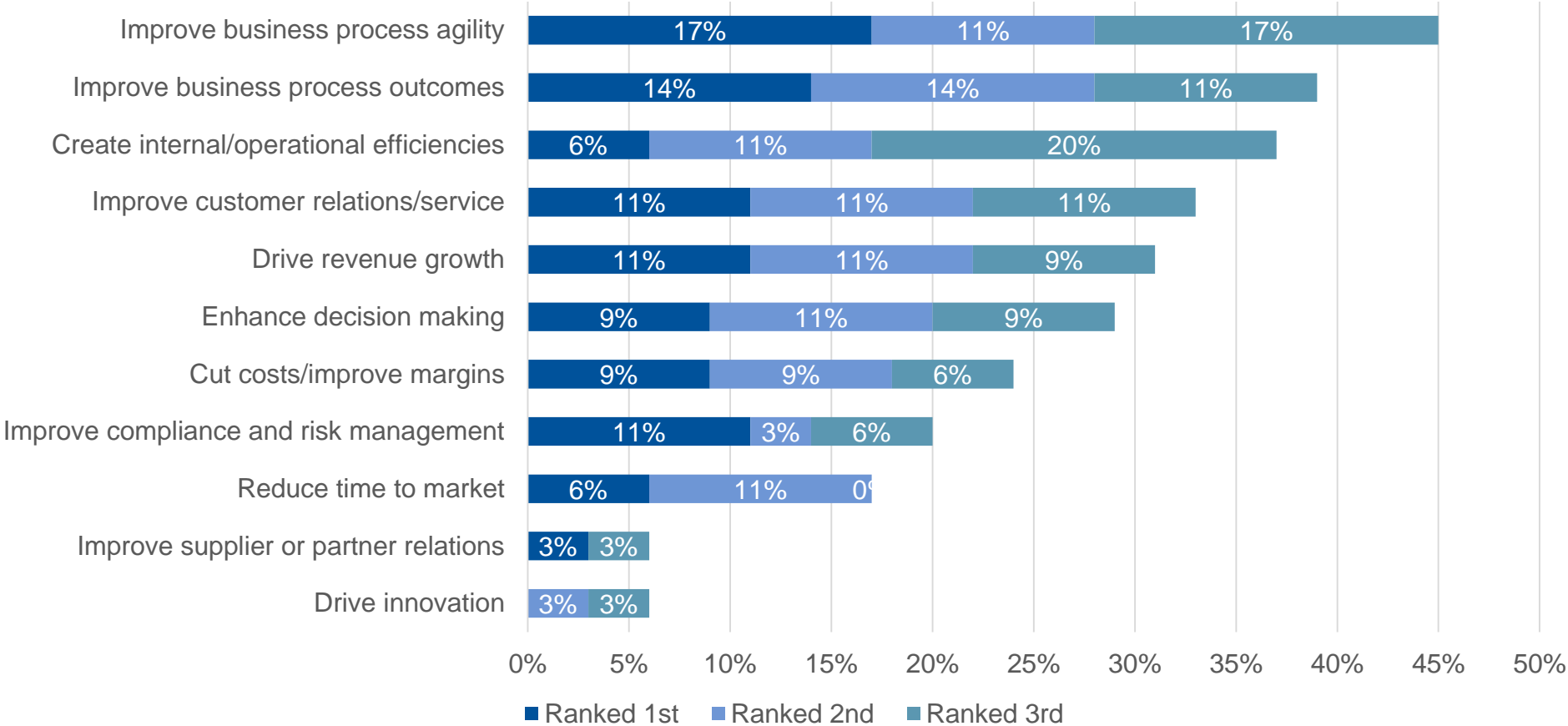
Critical Success Factors

- Clear Vision and Tight Scope – Determine what you really want to achieve and what you need to govern
- Strong Leadership and Sponsorship – Identify and secure a business sponsor to promote the effort and ensure the business stakeholder participation
- Consistent and Objective Semantics – Strive for the “single version of the facts” and not for the “single version of the truth”
- Stratify Scope – Manage Semantics, Syntactic, and Instances differently at different levels of scope
- Comprehensive Viewpoint – Design the strategy and target state to play the tradeoff among governance, organization, processes, and technical infrastructure
- Clear Communications in Business Terms – Express what the stakeholder will get out of it in their terms
- Tight Stakeholder Collaboration – Establish a common work environment and a cross-business/IT team with the business leading and IT enabling
- Pragmatic Approach – Follow the money, do what you can and not what you want
- Respect the Culture – Minimize impact

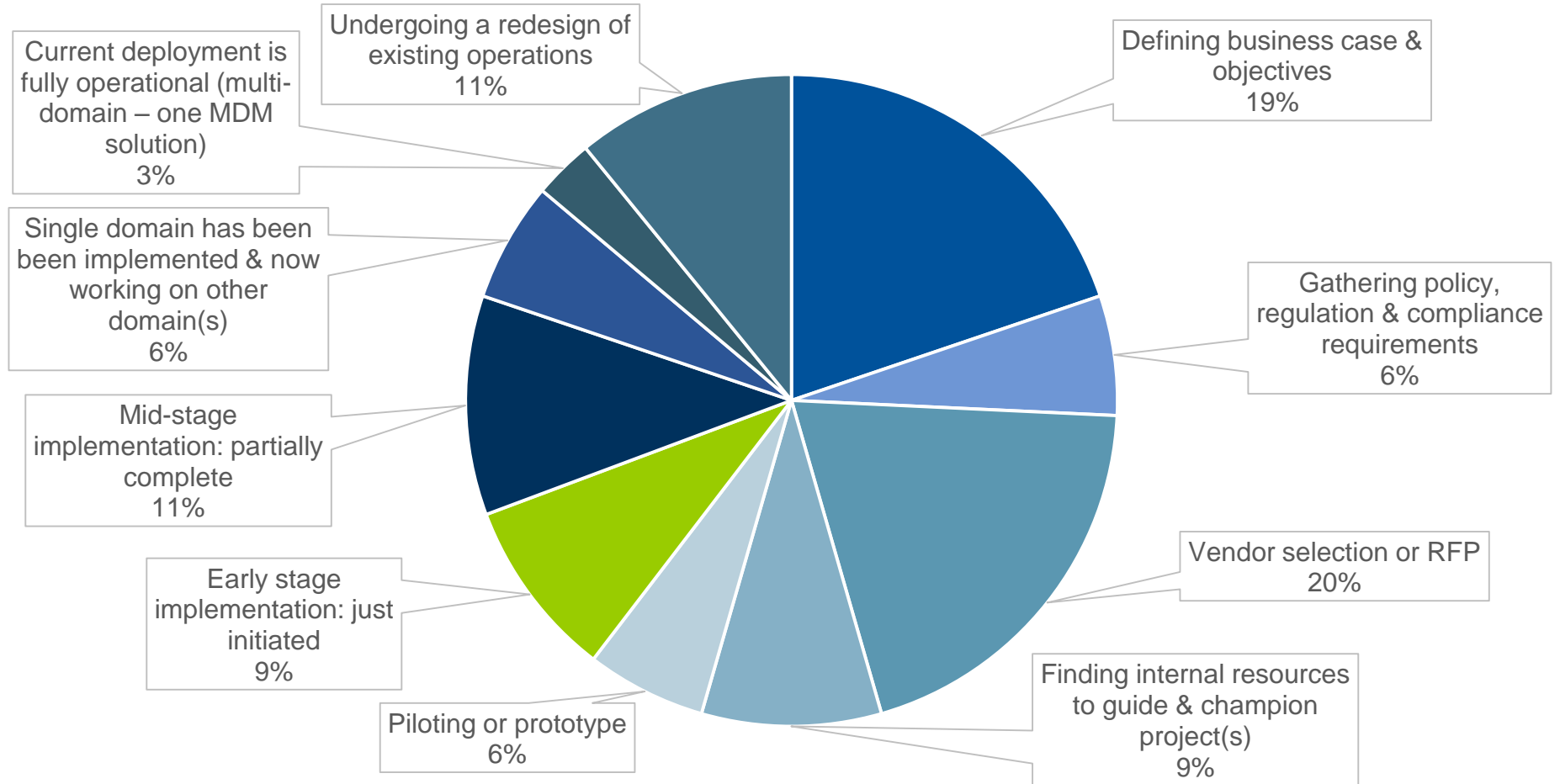


Master Data Management Progress

MDM Business Drivers

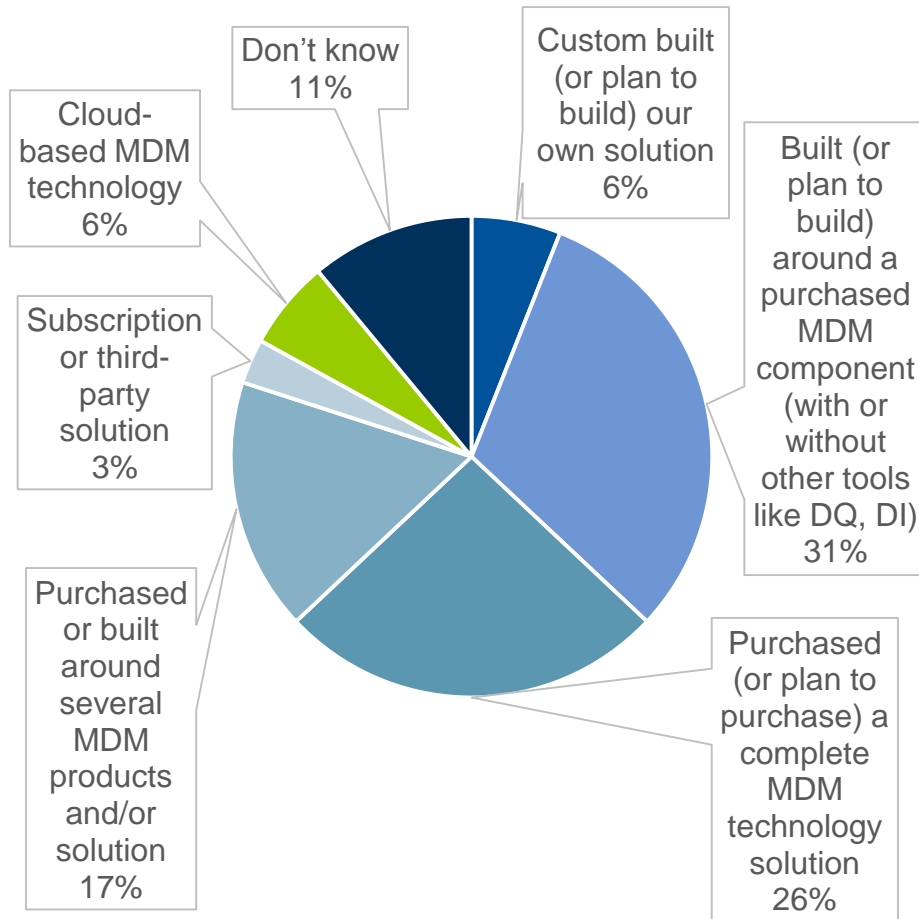


MDM Adoption

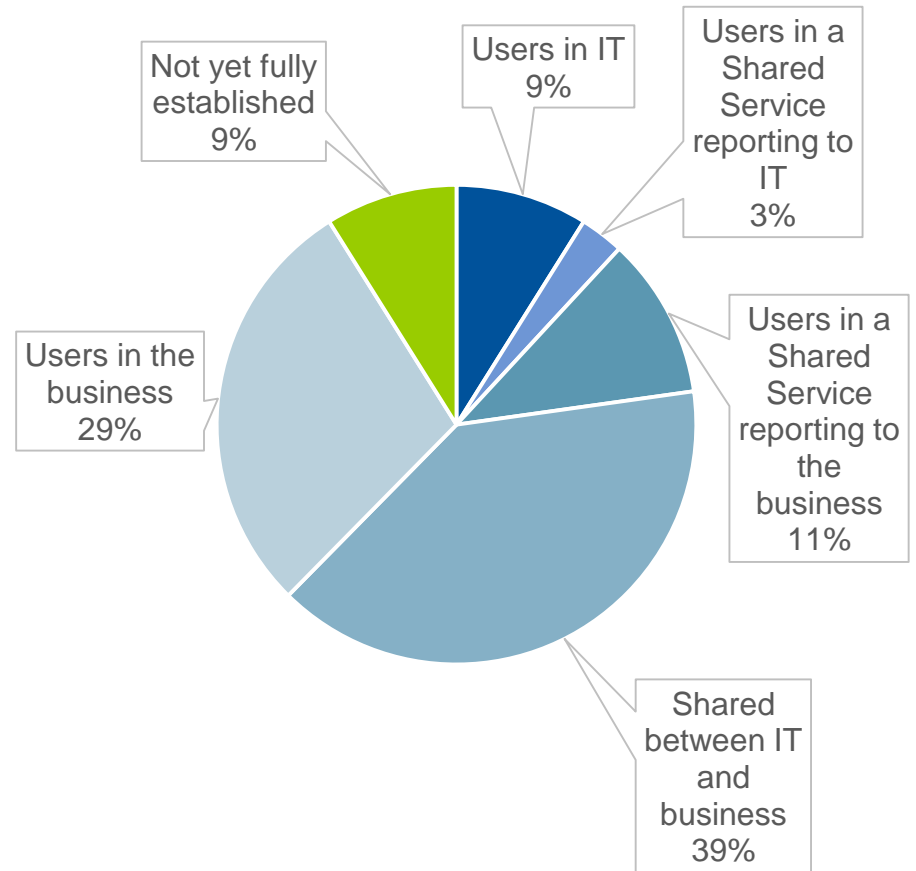


MDM Deployment

Technology Solutions



Stewardship Responsibility



MDM Domain Implementations

