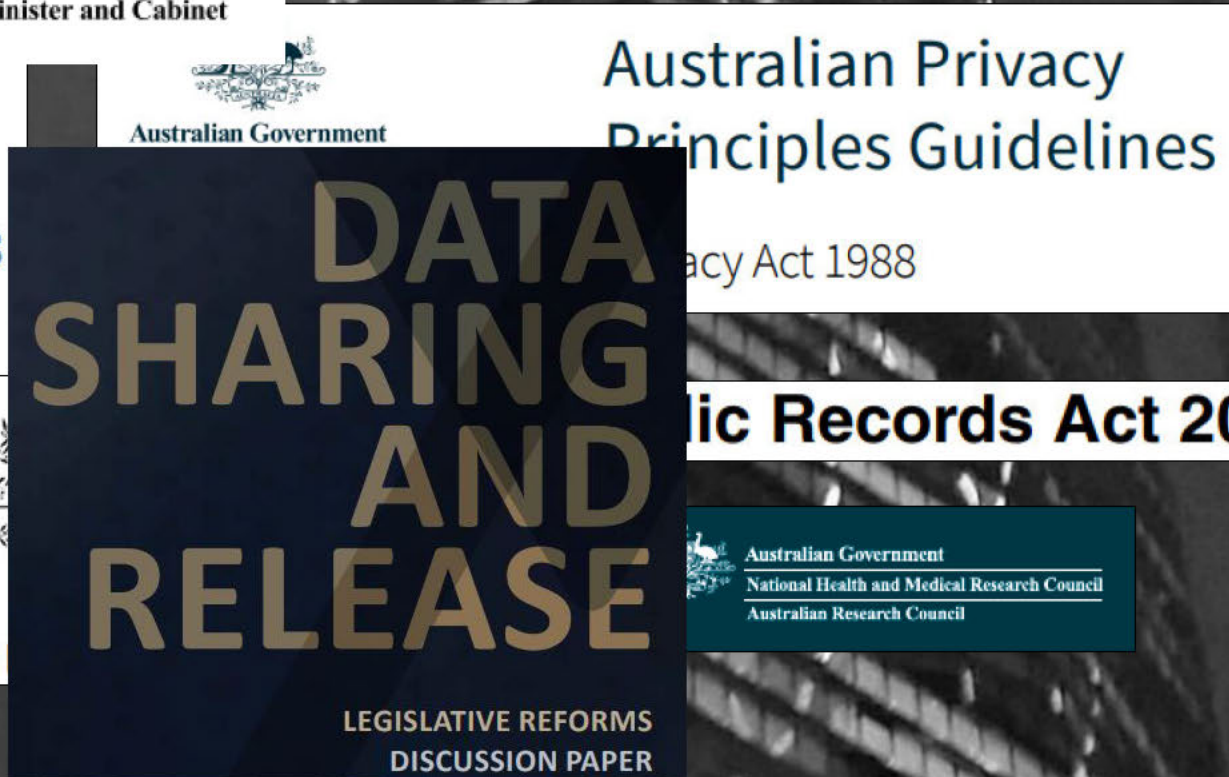
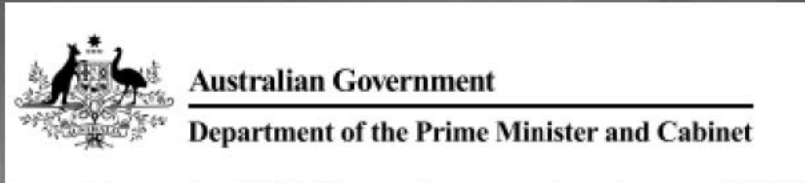


The Challenge is Implementation!

- I appreciate this is a lower level of detail and will be covered in subsequent steps.
- This is included to start the thinking and conversation in this space.
- How does the Australian Government maximise the benefits of public sector data while appropriately protecting people, groups, entities and intellectual property while maintaining and building trust?
- How does the Australian Government prove the operational effectiveness of its data governance and data management?
- The solution is in the establishment and running of the ongoing data governance and management framework and programs
- In summary:
 - Requirements
 - Organisations need to meet numerous requirements, Data Sharing is only one
 - Organisations cannot have a different solution for each requirement
 - Solutions
 - There are established industry standards that can be leveraged to provide a solution
 - We should progress to solutions with common elements and a common language

Framework Elements: Requirements Lens (Examples)



Australian Privacy
Principles Guidelines

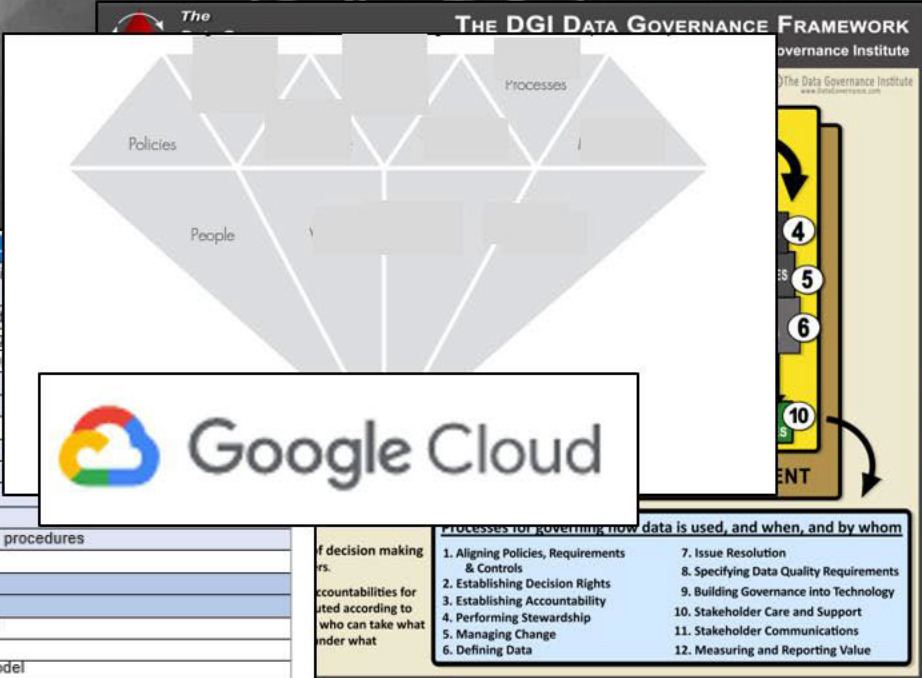
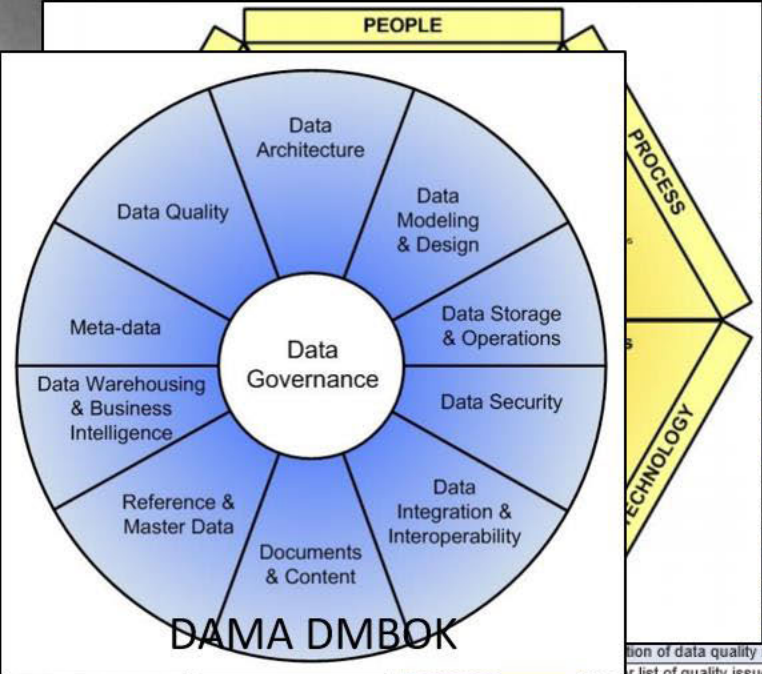
Privacy Act 1988

Public Records Act 2002



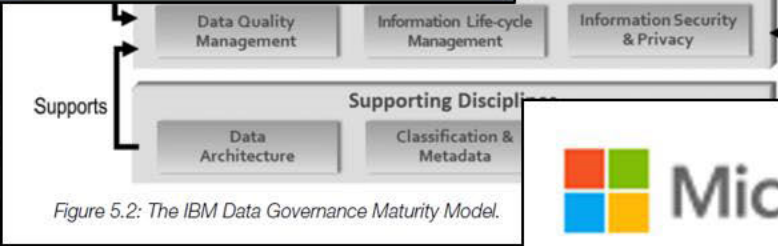
This is a small, narrow sample of requirements to communicate a concept.
There are many requirements.
Organisations cannot implement a different solution/framework for each requirement.

Framework Elements: Framework Lens



Cont	Reporting and Analytics Requirements	PLM master data requirements for EDW PLM master data reporting requirements Event management and alerts requirements
Data	Information Lifecycle Management	Business objects lifecycle Backup and archival strategy

Source: Hewlett-Packard Company; CEB analysis.



There is a multitude of "Valid" frameworks.
Organisations don't need another.

Framework Elements: Requirements & Frameworks Unified Lens

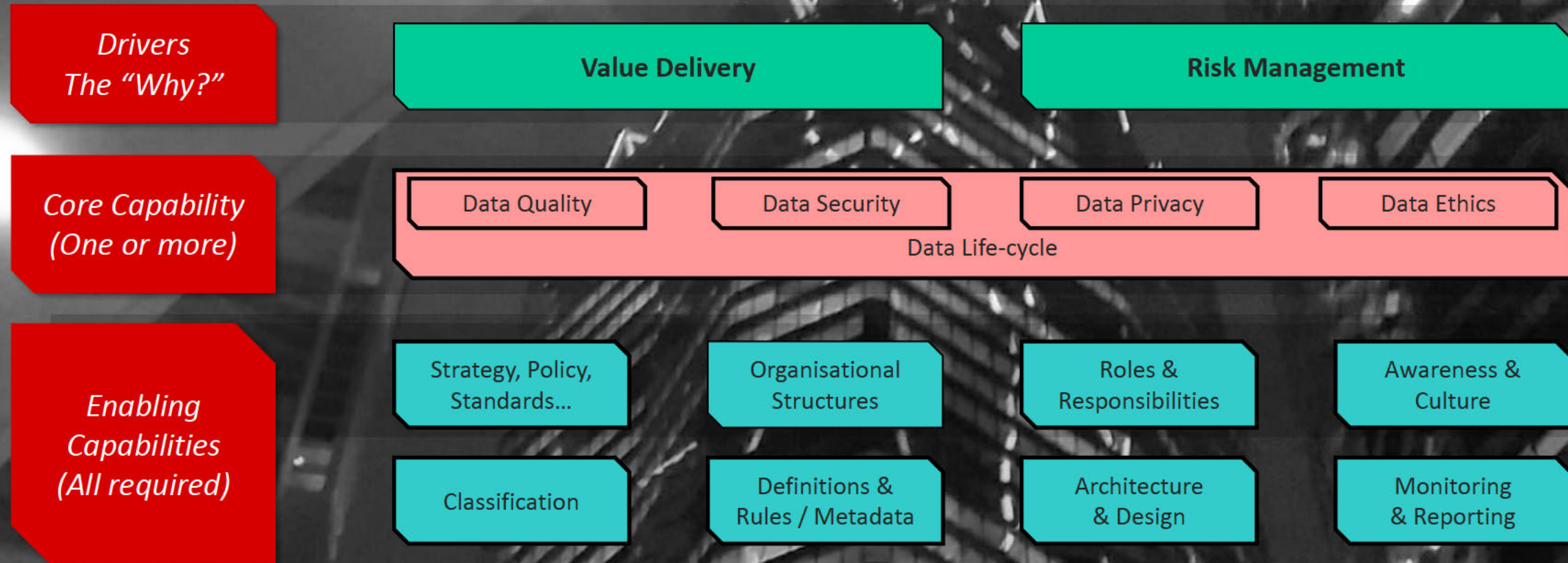
Source	Risk Management/Compliance	Data Quality	Value	Data Privacy	Policy, Principles, Strategy, Standards...	Awareness & Culture	Monitoring	Data Security	Organisational Structures	Roles and Responsibilities	Design & Architecture	Data Ethics	Definition and Rules (Metadata)	Classification	Data Life-cycle	Reporting
Privacy Act Qld 2009	i	y		y				y							y	
ISO 9000 Quality (from Table of Contents)	y	y			y	y	y		y	y			i			y
APRA (CPG-235)	y	y		y	p	y	y	p	p	y	y		i	y	y	y
APRA CPS 220 Risk Management	y	y		i	y		y	i	y	y						y
APRA CPG 234 Information Security	y		y	y	y	y	y	y	y	y	y		y	y	y	y
Aust. Govt. OAIC Privacy Management Framework	y	y	y	y	y	y	y	y		y	y	r	y	y	y	y
Google (Principles and Best Practices for Data Governance in the cloud)	y	y	y	y	y	y		y		y	p		y	y	y	
Microsoft Summary	y	y	y	y	y	y	y	y	y	y			y	y		y
DAMA DMBOK (Data Management Body of Knowledge - Framework Explicit)		y			p	y		y	y	y	y		y			
Gxxxxxx/xxx (from Framework Diagrams)		y	y	p	y	y	y	y	y	y	y		y	p	y	y
Infoxxxxx (from Framework Diagram)					y		y		i	y	y					y
Data Governance International (Framework Diagram)		y	y		y		y		y	y			y	i		y
The Chief Data Officer Handbook for Data Governance		y		y	y		y	y	i	y			y		i	y
xxx Risk Management Framework	y	y	y	y	y	y	y	y	y	y	i	y	y	y	i	y
xxx Privacy Plan	y	y		y	y	y	i	y	i	y	y		y	i	y	y
xxx Data Breach Response Plan (in conjunction with RMF)	y		i	y	y	y	y	y	y	y	i		y	y	i	y

Many requirements & frameworks.
The same common themes and elements emerge.

Framework Elements: Is There Order?

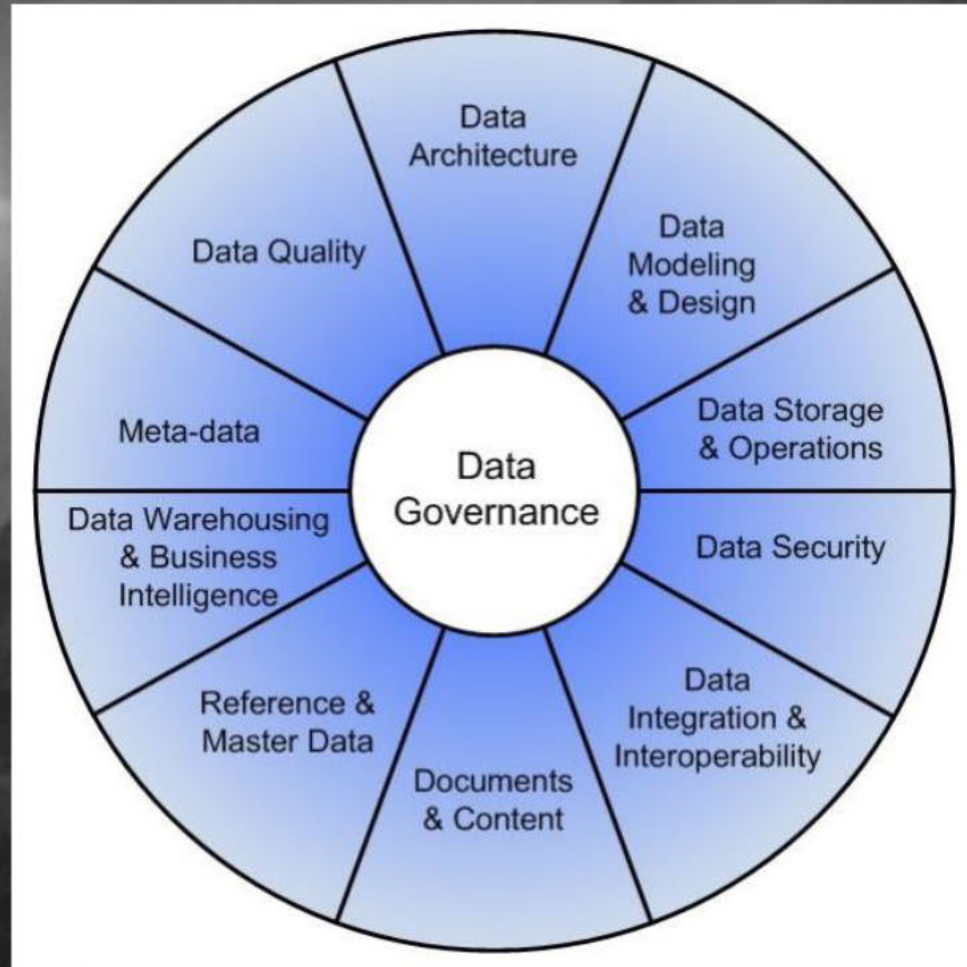


Data Governance Elements: Generic Structured View?

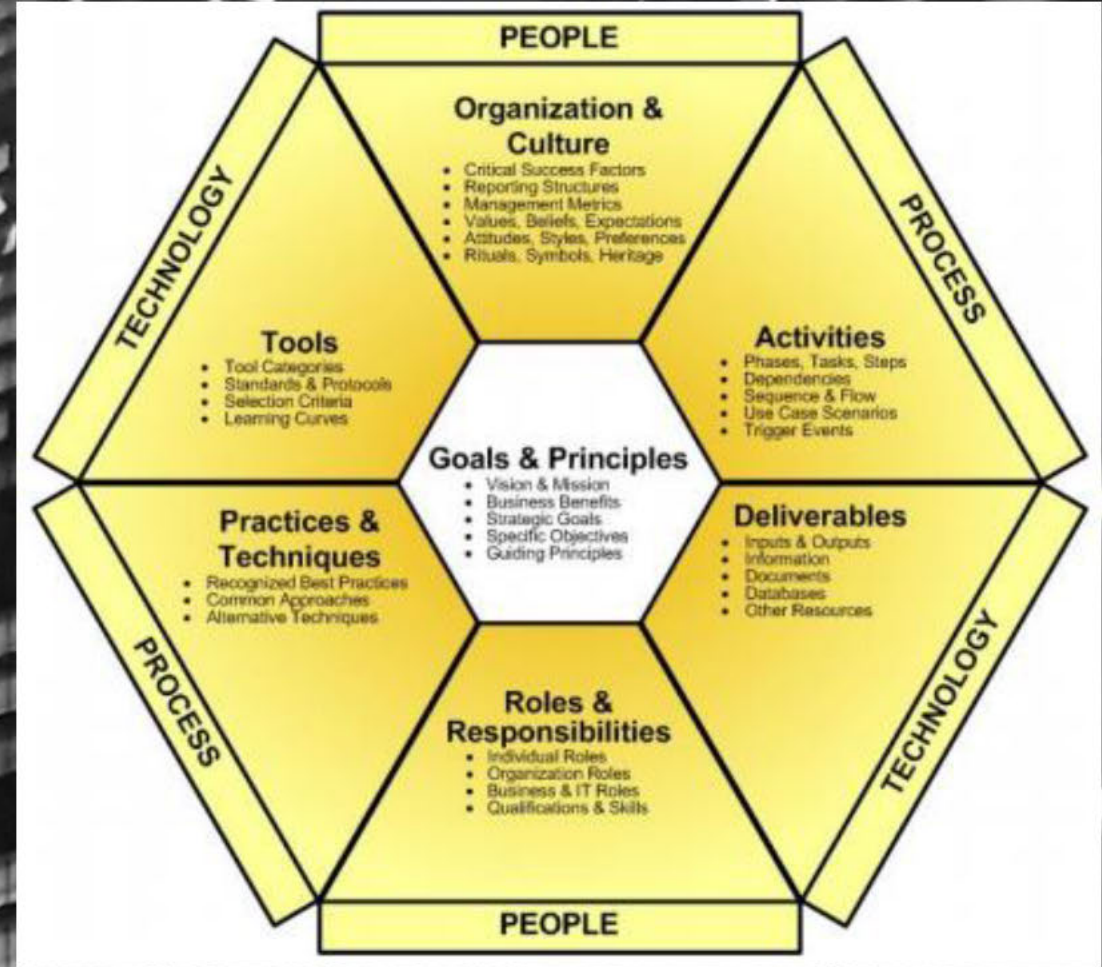


Evolved from InfoGov, The IBM Data Governance Unified Process and other sources.

Framework Elements: DAMA BMBOK

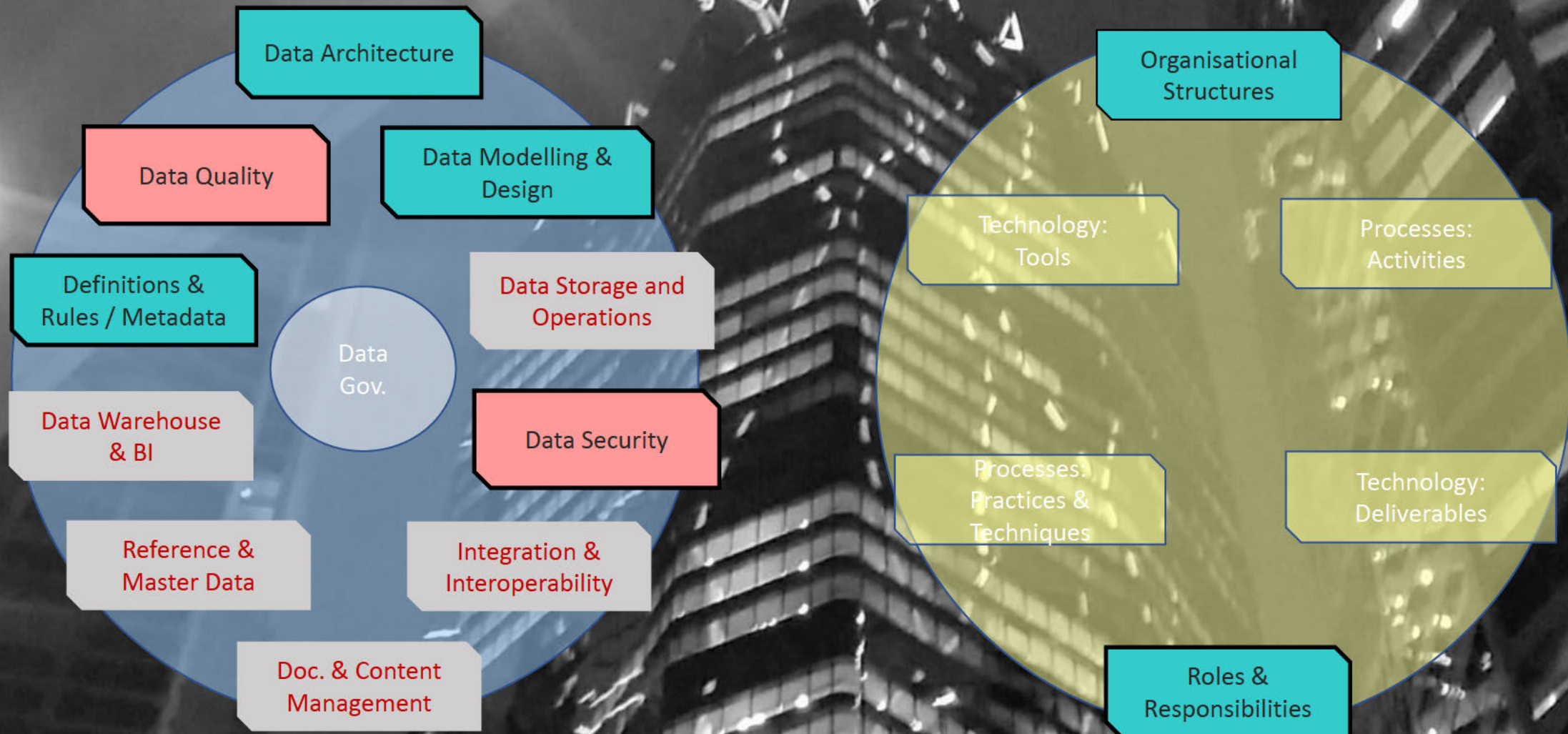


DAMA Data Management (and Governance)
Framework



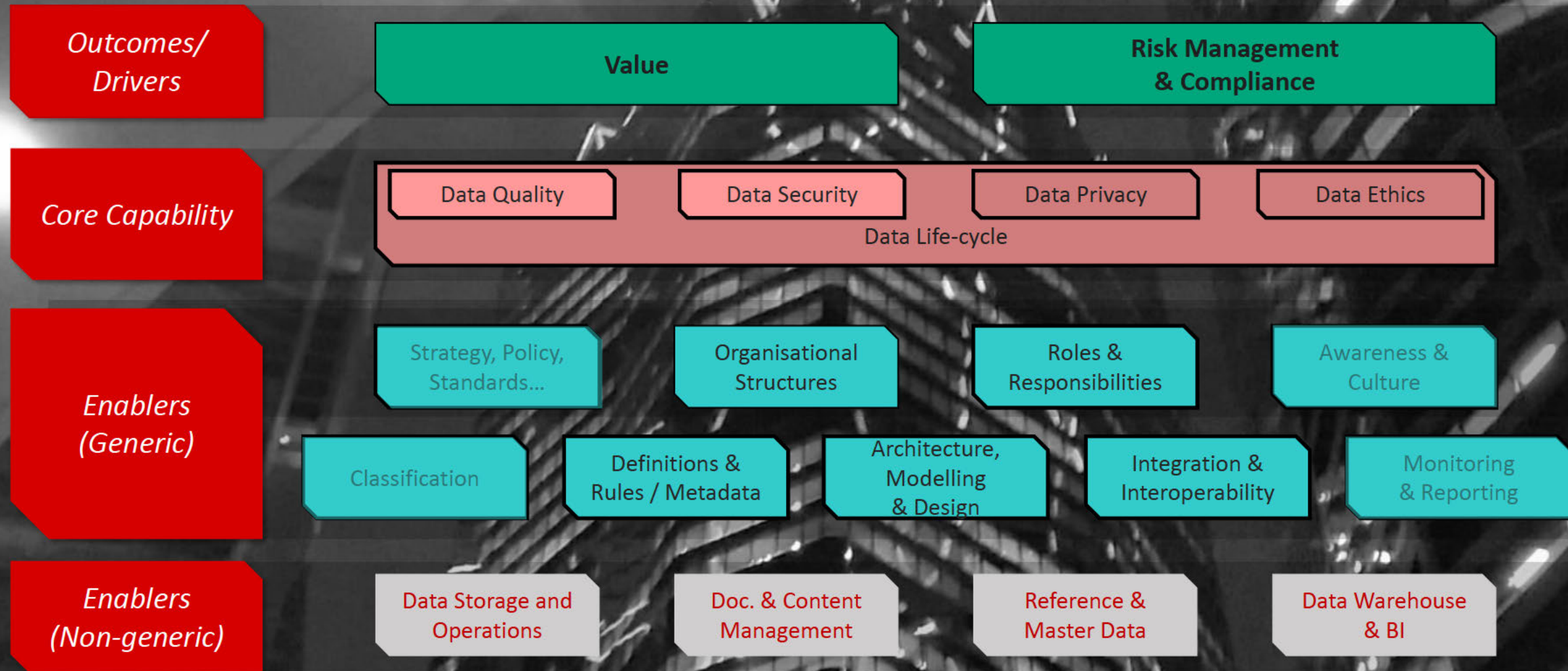
DAMA Environmental Factors

Framework Elements: DAMA BMBOK (Classified/Layered?)



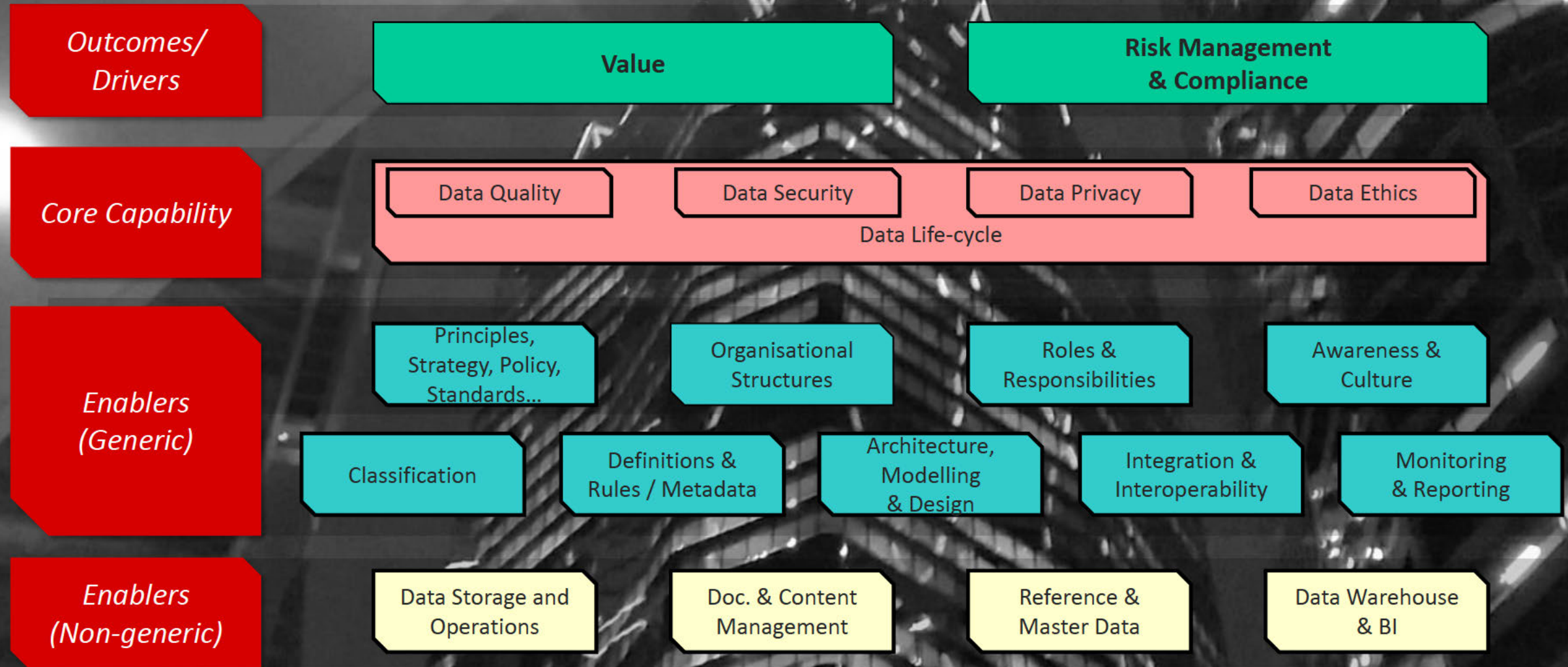
Notes. Indicative only. The full DAMA BMBOK text is comprehensive. People, process and technology are required for all elements.

Framework Elements: DAMA BMBOK View (Structured?)



Notes. Indicative only. The full DAMA BMBOK text is comprehensive. People, process and technology are required for all elements.

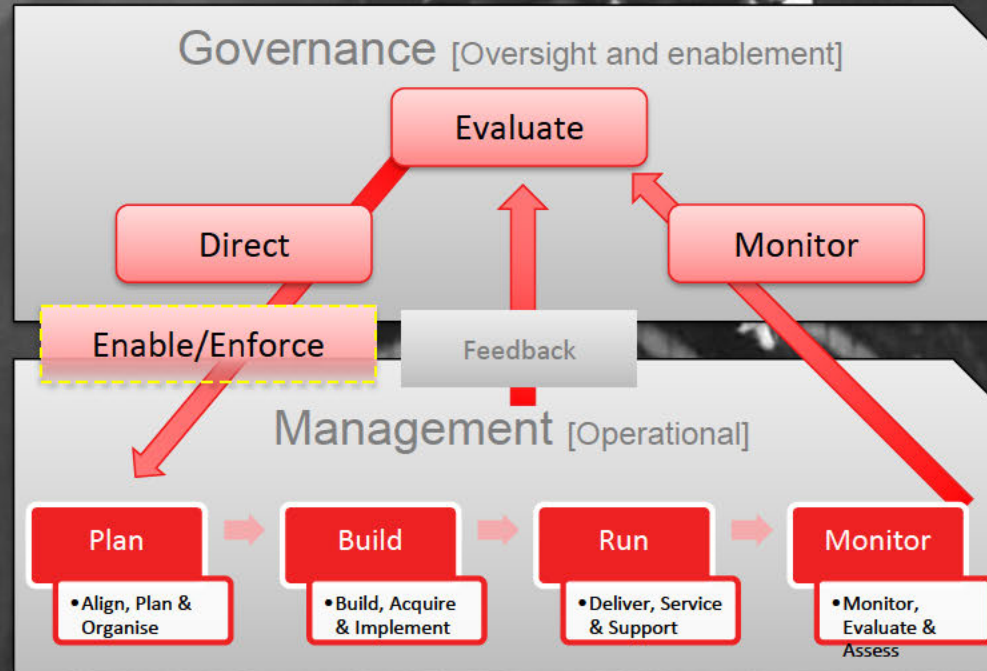
Governance & Management Elements: Unified & Structured



Data Governance

Governance V Management

Governance V Management



Governance is defined as the exercise of authority and control (planning, monitoring and enforcement) over the management of data assets. (DAMA DMBOK P67).

The diagram is based on COBIT5.

(I appreciate it's for a different purpose. I believe it applies here too.)

Unified Governance Elements?

