



DATA GOVERNANCE AND MASTER DATA MANAGEMENT CONFERENCE EUROPE

11 - 14 March 2024 | London, UK

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Data Governance Fundamentals



Nicola Askham
THE DATA GOVERNANCE COACH

Introductions



Introductions



Nicola Askham
The Data Governance Coach

What is Data Governance?



- ▶ *Data governance (DG) refers to the overall management of the availability, usability, integrity, and security of the data employed in an enterprise. A sound data governance program includes a governing body or council, a defined set of procedures, and a plan to execute those procedures.*

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- *Data Governance is the cross-functional discipline of managing, improving, monitoring, maintaining, and protecting data*

Proactively managing your data, to support your
business achieve its strategy and vision

What Data Governance is not

Data Protection



Data Retention



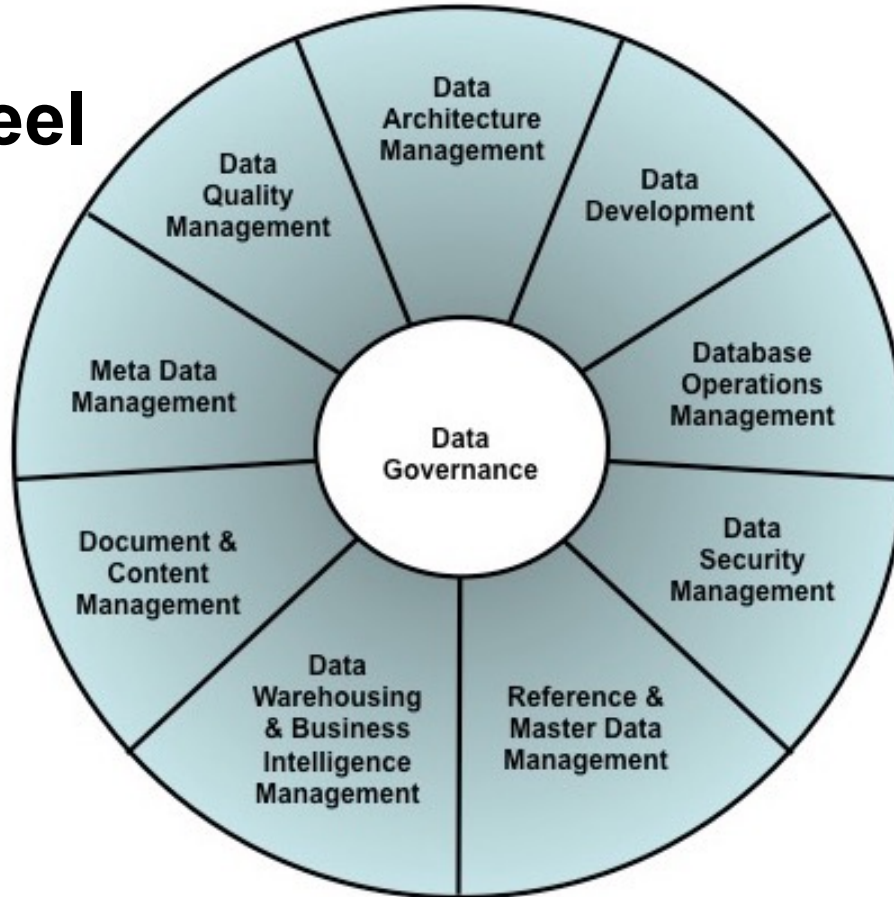
Data Security



Big Brother



DAMA DMBoK Wheel



**Why is Data Governance
important?**



- Improve efficiency – reduced costs
- Accurate reporting – supporting decisions
- Enforcement of policies, processes and standards
- Compliance
- Protects reputation with both customers and suppliers
- Supports strategy
- Single version of the truth

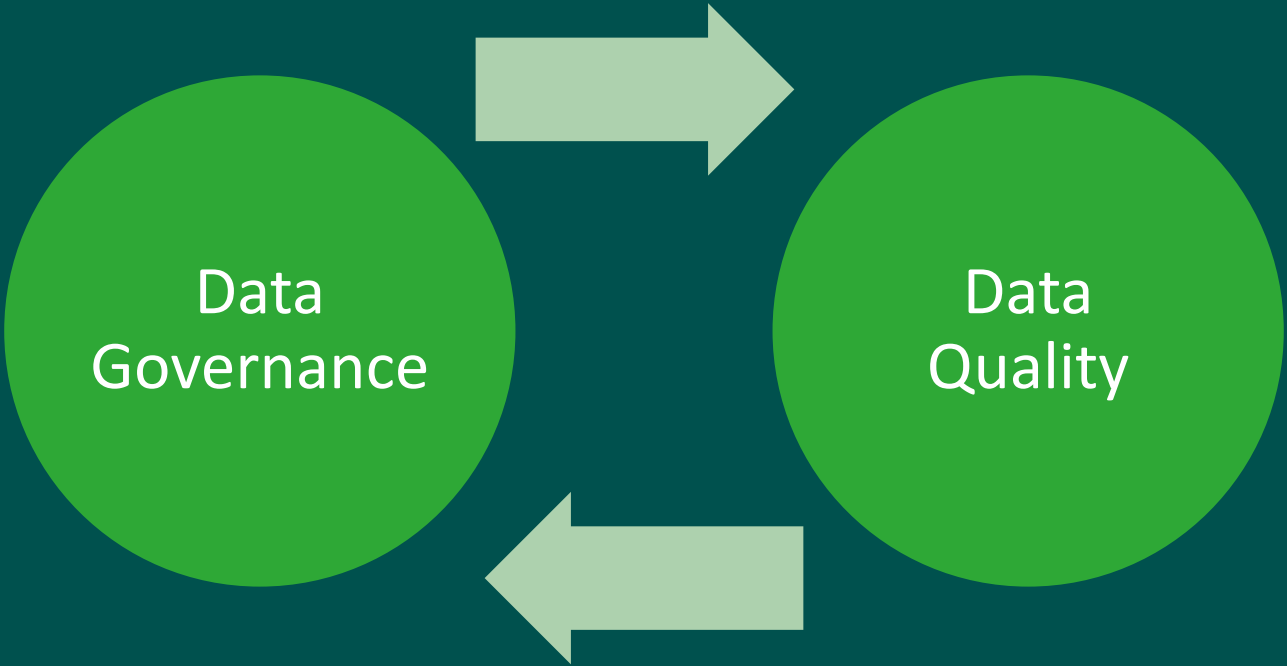
What happens when data isn't governed?

Challenges?

- Cultural change
- Data is not “sexy”
- Data never the top priority
- Identifying scope and road map
- Legacy Systems

The relationship with Data Quality?





Data
Governance

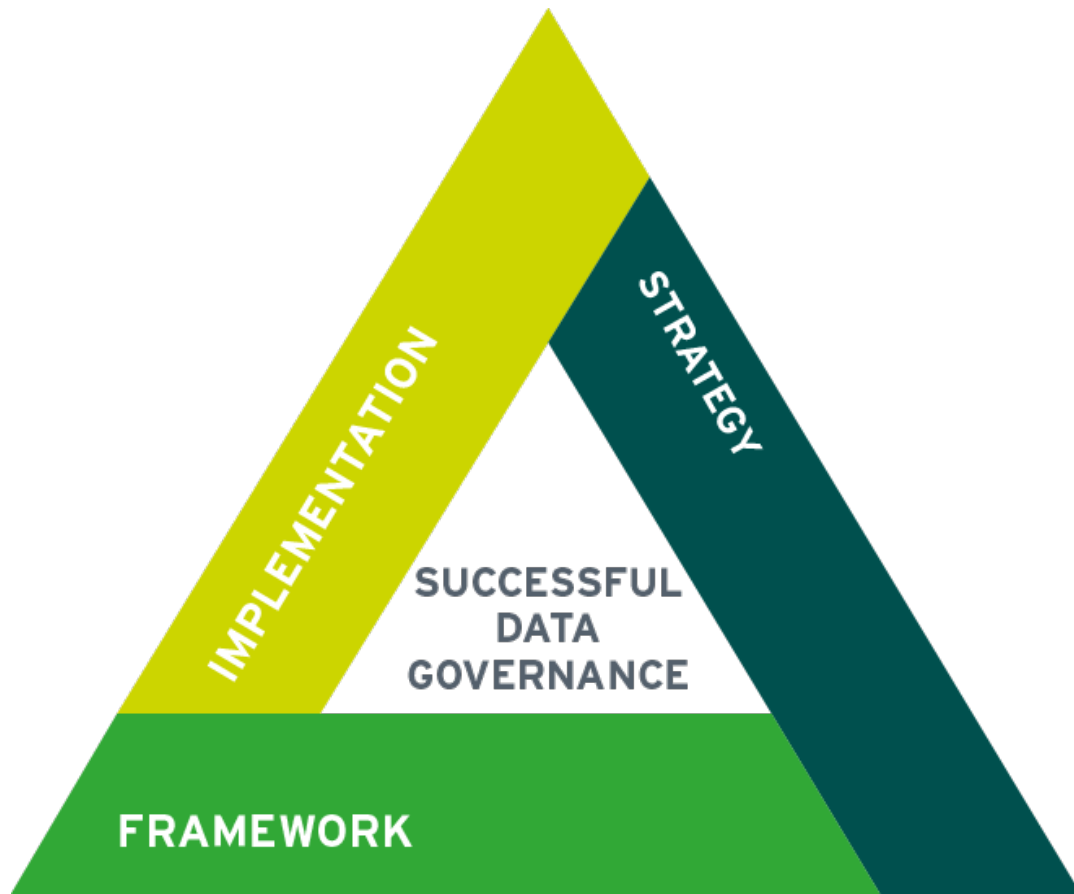
Data
Quality

The relationship with MDM?







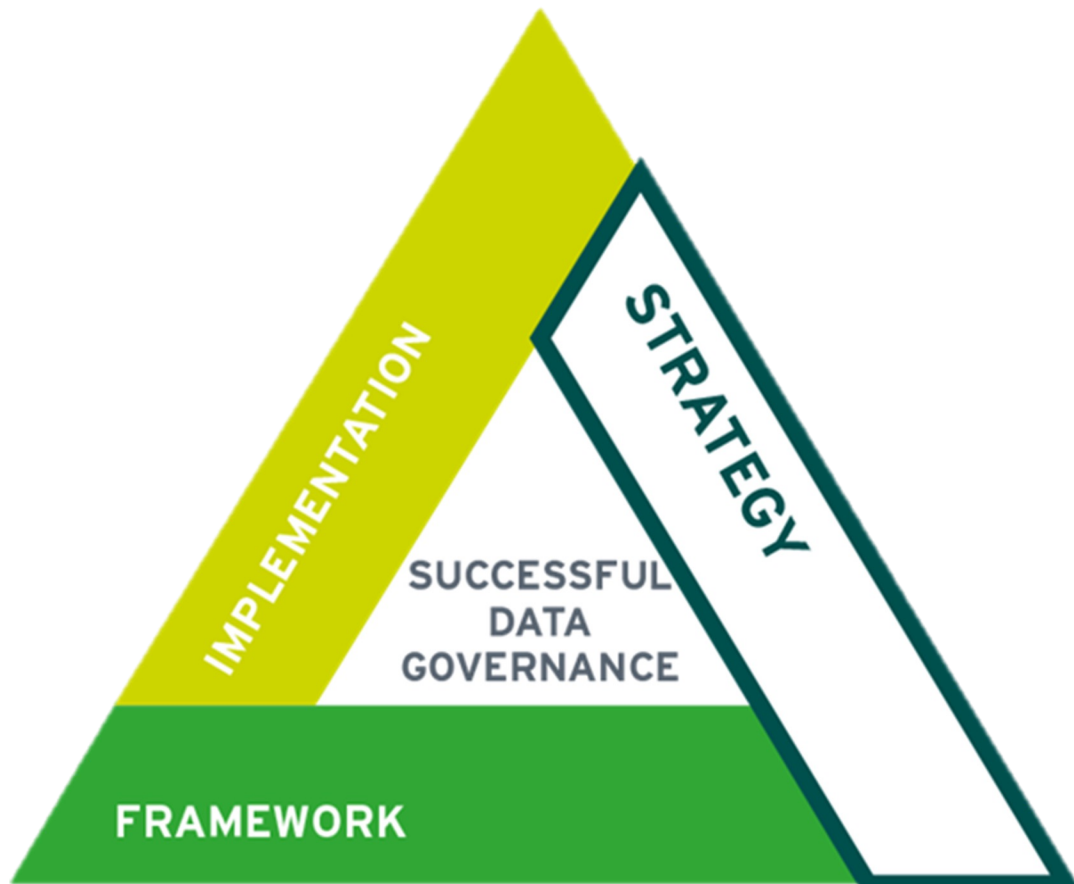


IMPLEMENTATION

STRATEGY

FRAMEWORK

**SUCCESSFUL
DATA
GOVERNANCE**





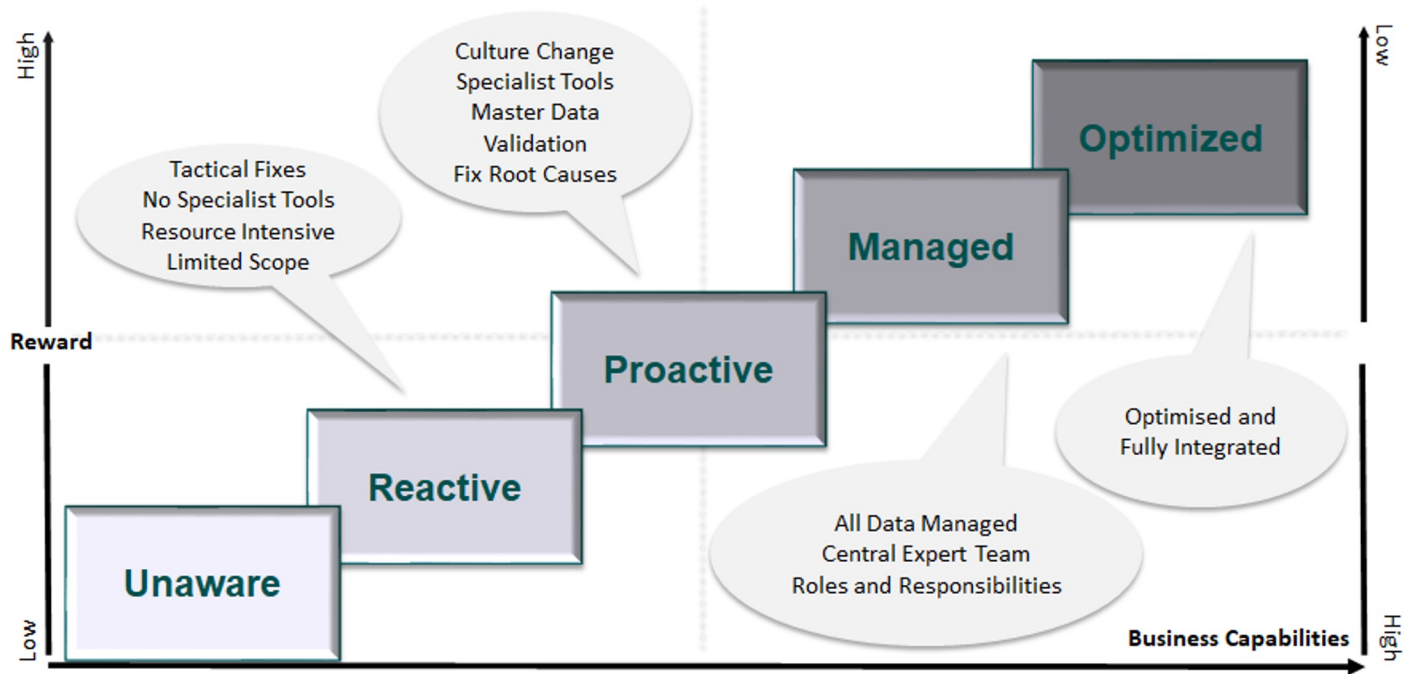


Why should your organisation do Data Governance?



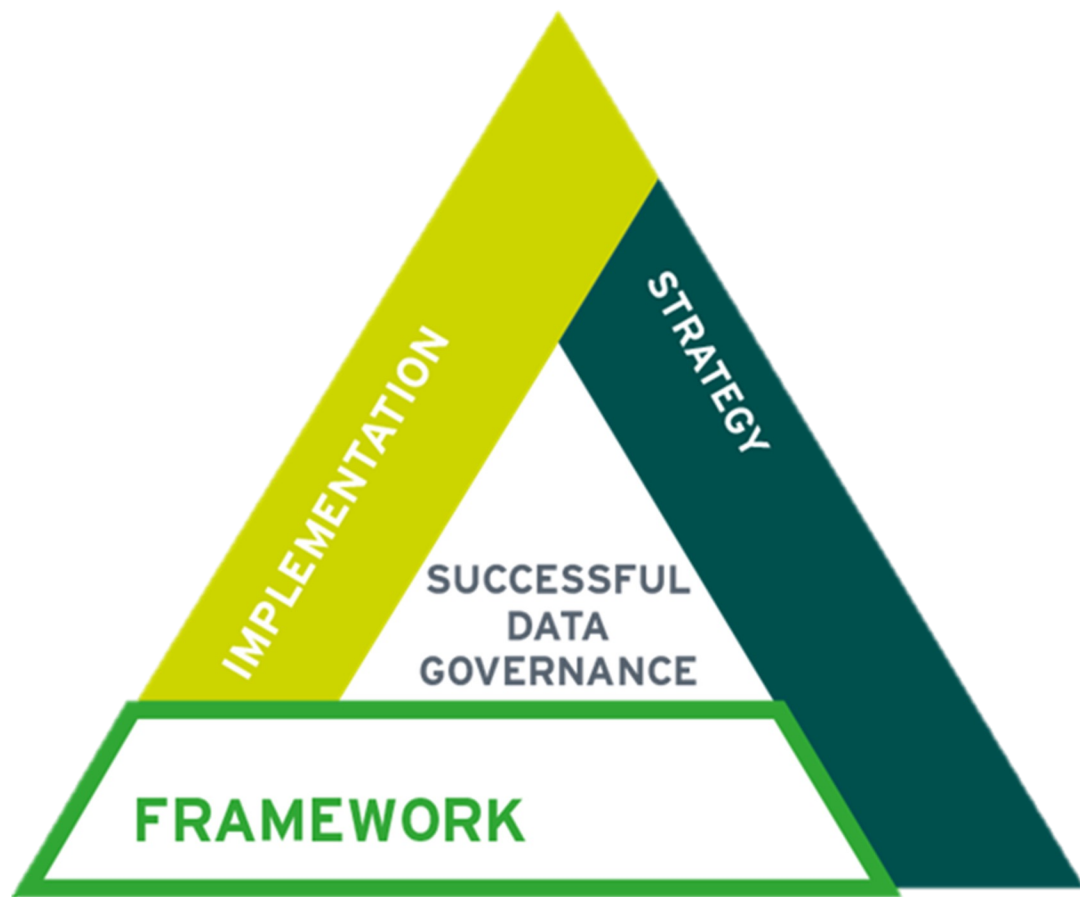


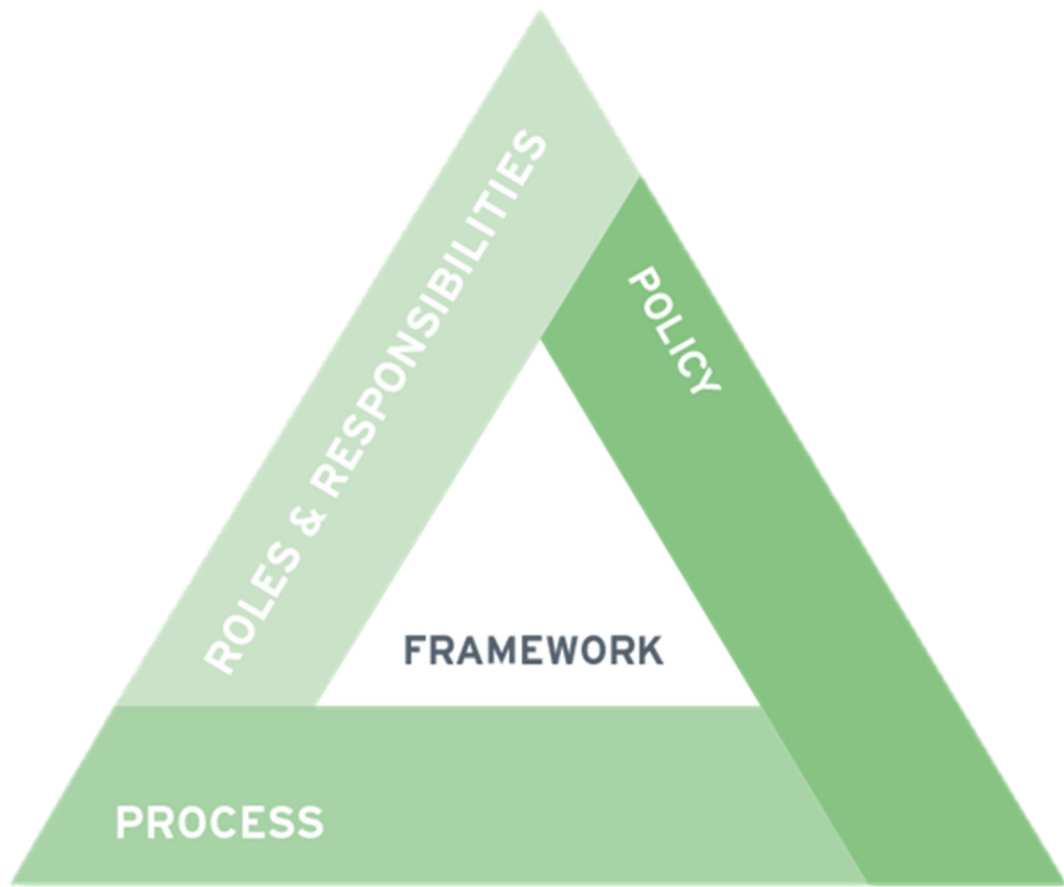
Data Governance maturity model

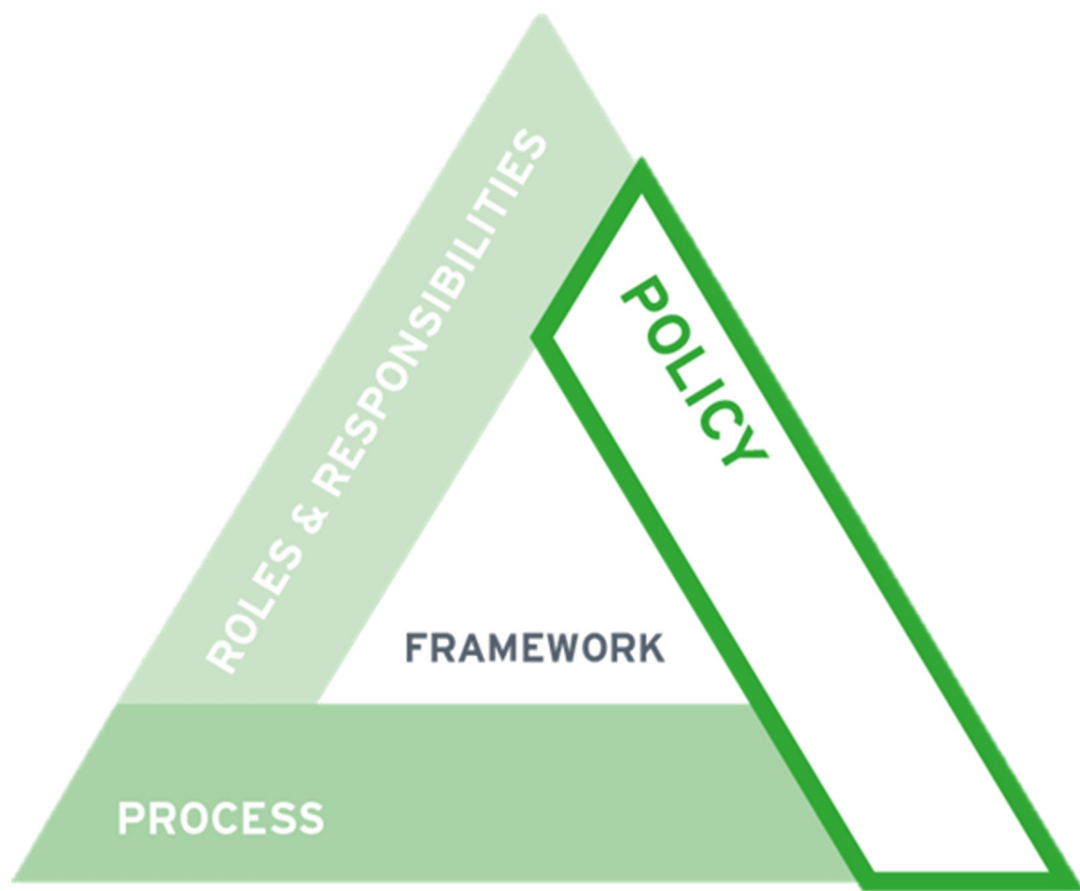












Data Policy

Describes the approach to managing data quality i.e. what will be done

Data Governance Operating Model

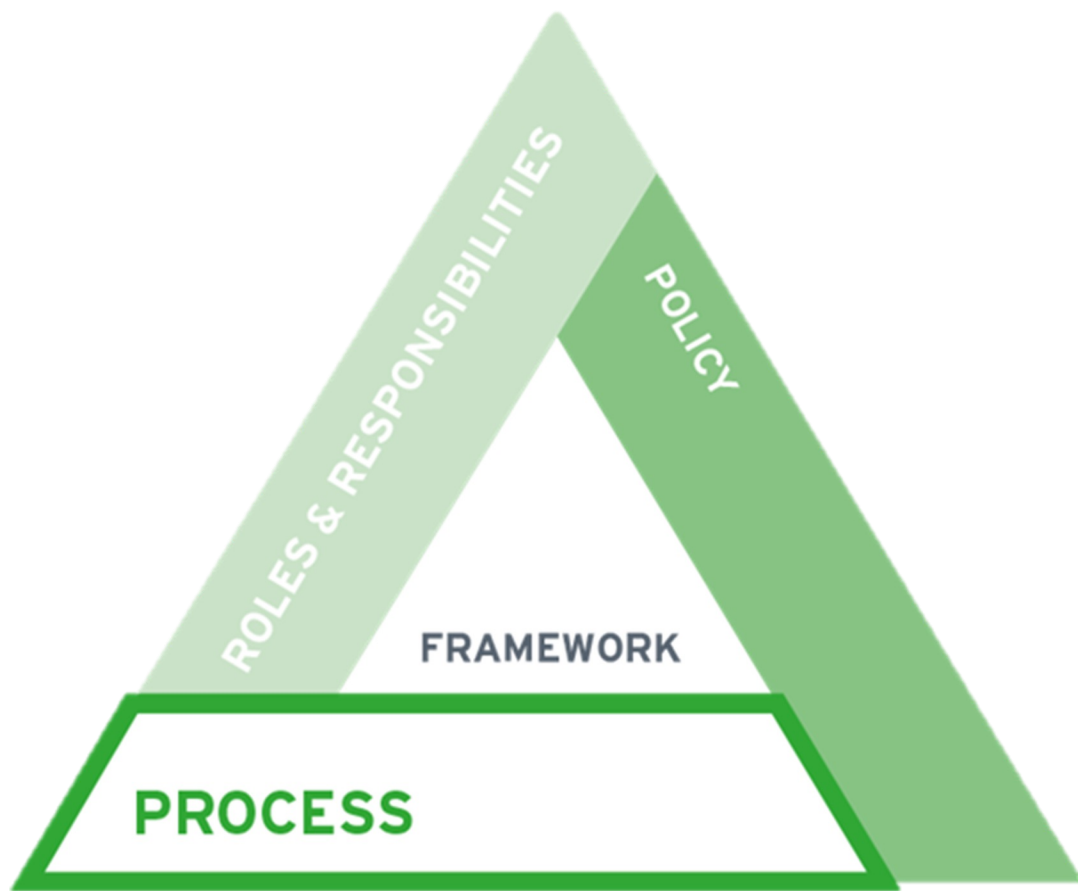
Describes how the Data Policy will be implemented

An internal control system that consists of roles, responsibilities, processes and systems that together ensure that data is appropriate, complete and accurate

What Should A Data Policy Cover?



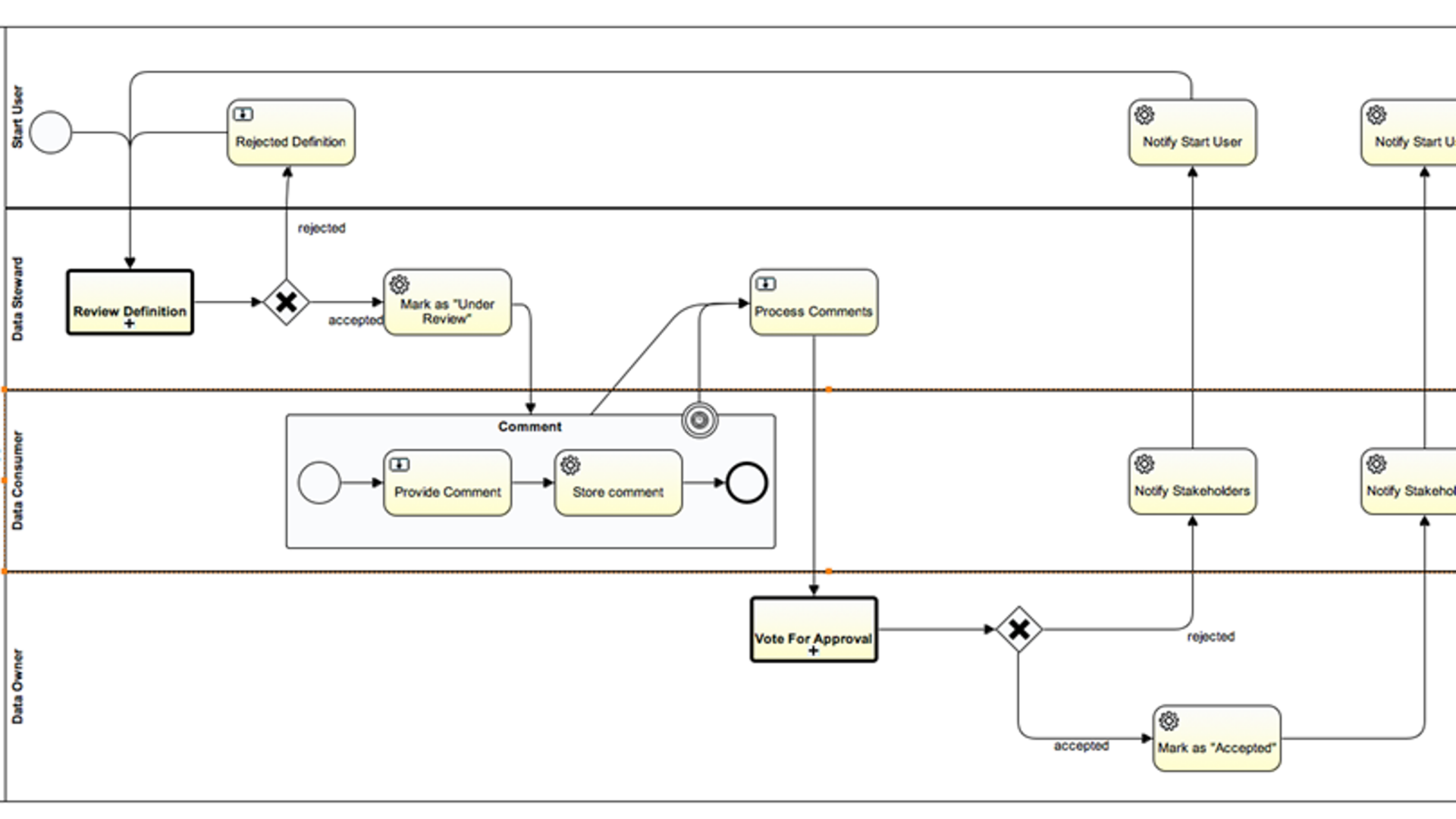
- Roles and responsibilities
- Data Quality Standards
- Data Quality Dimensions
- Data Definitions
- Processes
- Scope



Processes

- Data Quality reporting
- Data Quality issue management
- Master Data Management Processes:
 - Agreeing ownership of attributes
 - Defining attributes
 - Amending attributes
 - Retiring attributes
- Updating the Data Governance Framework

Documenting Processes



Overview of the Process

1. Raise Data Deficiency



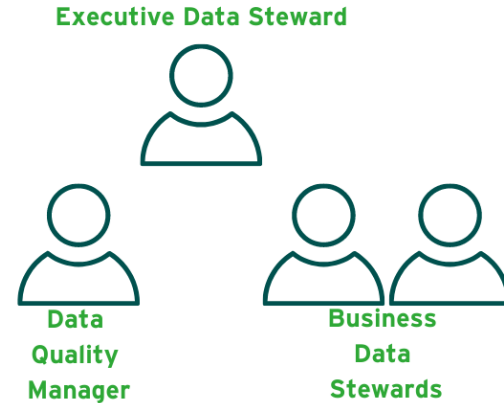
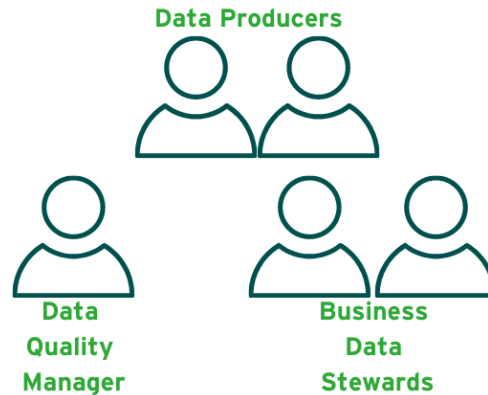
2. Impact Assess and Root Cause Analysis



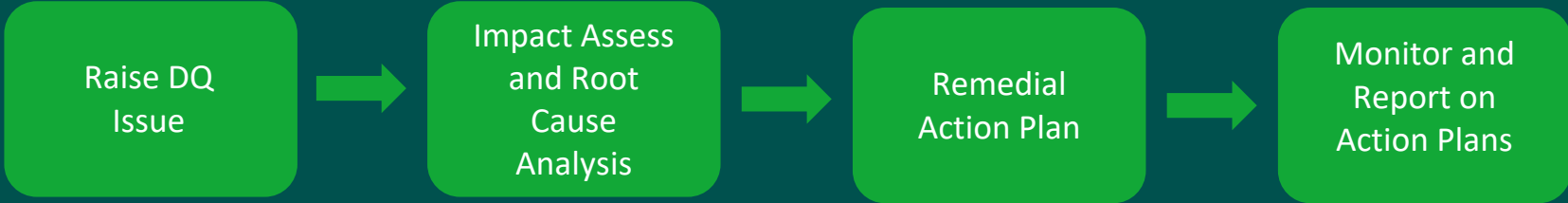
3. Remedial Action Plan

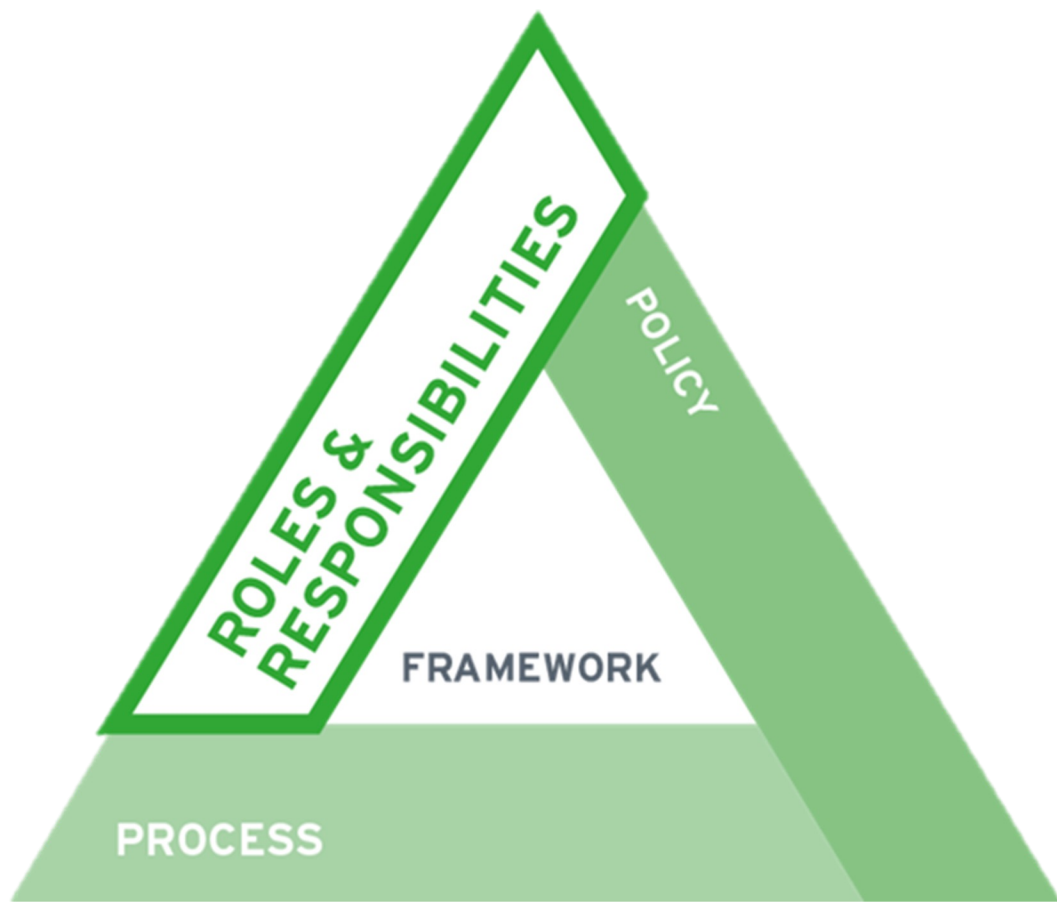


4. Monitor and Report on Action Plans



High level Data Quality issue resolution process





**ROLES &
RESPONSIBILITIES**

POLICY

FRAMEWORK

PROCESS

Roles and Responsibilities?





**Data
Owners**

Accountable
for the Data
Quality of a
data set/(s)



**Data
Stewards**

Responsible
for the Data
Quality of a
data set/(s)



**Data
Producers**

Responsible for
creating/capturing
data according to
the data
consumers
requirements



**Data
Consumers**

Responsible
for defining
what makes
the data they
use good
enough



**Data
Custodians**

Responsible
for
maintaining
the data on
IT systems in
accordance
with business
requirements



**Data
Governance
Manager**

Responsible
for DG
framework

Chief Data Officer?



Data Governance Deliverables?



Data Governance Deliverables

Operating
Model

Data Quality
Rules

Risks and
Controls

Data Lineage

Business
Glossary

Data Policy

Data Quality
Reports

Data Quality
Issue
Resolution

Data Policy

Operating
Model

Processes

Business Glossary

1 Business Glossary

A business glossary provides clear meaning and business context and can be linked to the underlying technical metadata to provide a clear association with business terms and roles and responsibilities.

2 Data Dictionary

The DAMA Dictionary of Data Management defines a data dictionary as:

Any place where business and/or technical terms and definitions are stored. Typically, data dictionaries are designed to store a limited set of meta-data concentrating on the names and definitions relating to the physical data and related objects of systems implemented or in development.

Data Quality reporting

Data Quality
Rules

Data Quality
Reports

Data Lineage

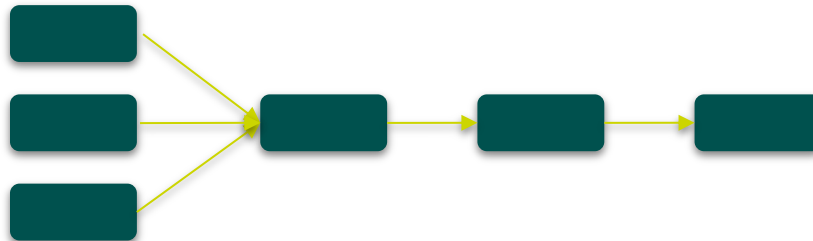
1 Data Lineage

- Usually pictorial
- Can be part of / driven by the data glossary

2 DAMA Dictionary of Data Management defines Data Lineage as:

DAMA Dictionary of Data Management defines data lineage as:

A description of the pathway from the data source to their current location and the alterations made to the data along that pathway



Risks and
Controls

Data Policy

describes what will be done to manage data

Data Quality Rules

rules that determine whether data is fit for purpose

Operating Model

detailed of descriptions of how data will be managed

Data Quality Reports

exceptions to agreed data quality standards

Business Glossary

provides clear meaning and business context of business terms

Data Quality Issue Resolution

a process for managing data quality issues

Data Lineage

graphic representation of how data flows through an organisation

Risks and Controls

looks at the risks to data and what can be done to mitigate them





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