

OBIDAM: Data Stewardship, Part 1

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Data governance

- Data governance is the governing of data assets in organizations, including the structure, processes, and organization needed for such governing
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Data governance

- Data governance aims to move data from an ungoverned state to a governed state
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Data stewardship

- Data stewardship is the operational aspect of data governance – that is, the day-to-day work of data governance

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Data governance and data stewardship

- Data governance and data stewardship “make sure that people are properly organized and make the right things to make the data understood, trusted and of high quality – and ultimately, suitable and usable for the purpose of the enterprise”

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Data shall be treated as other assets

Data shall be treated as we treat other assets (i.e. valuable resources) in an organization:

- Data shall be owned
- Data shall be understood, inventoried and quality checked as well as corrected when data-related issues appear
- Data shall be wisely used



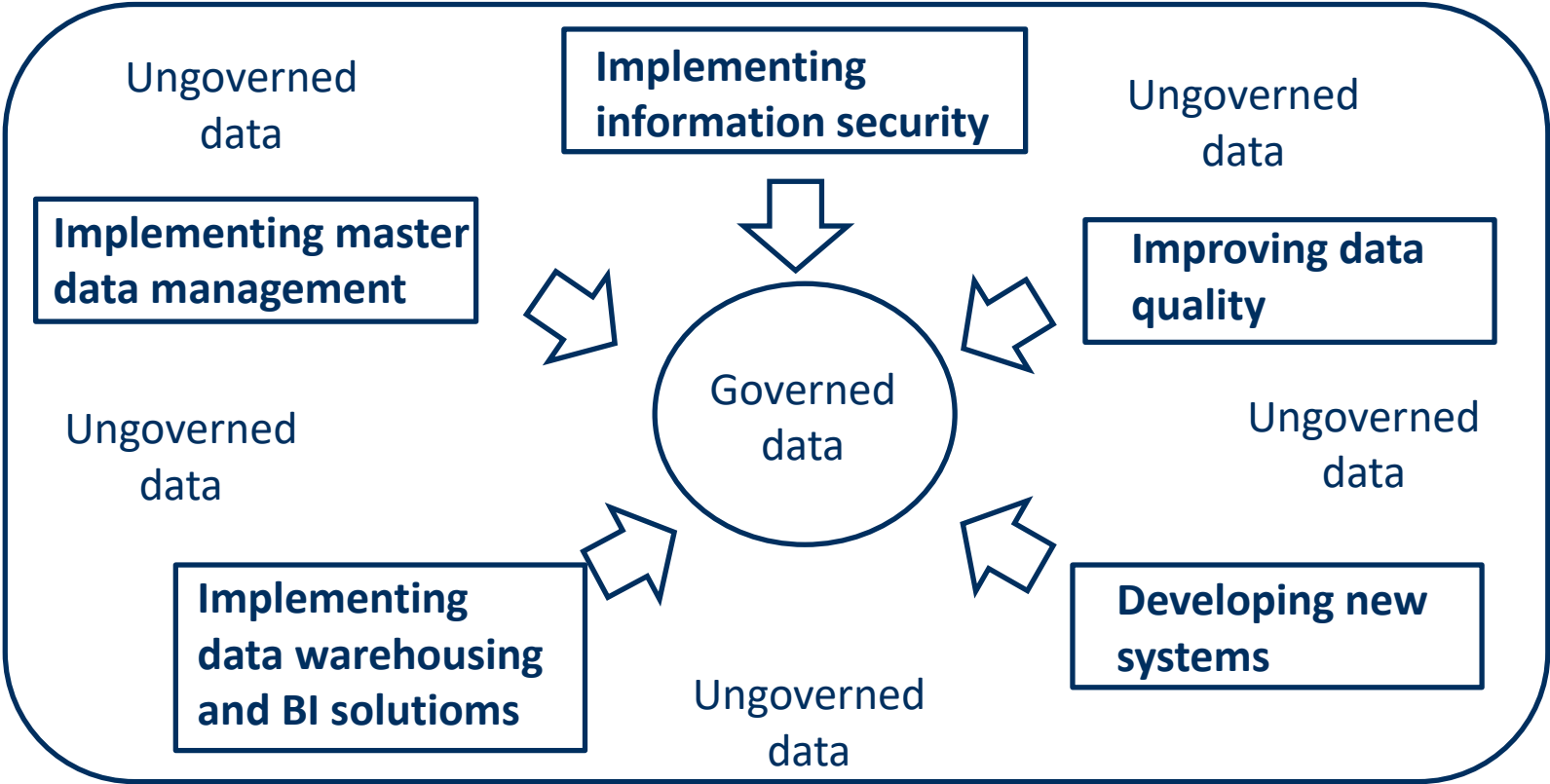
Data governance - again

- Data governance aims to move data from an ungoverned state to a governed state

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Drivers for moving data to a governed state



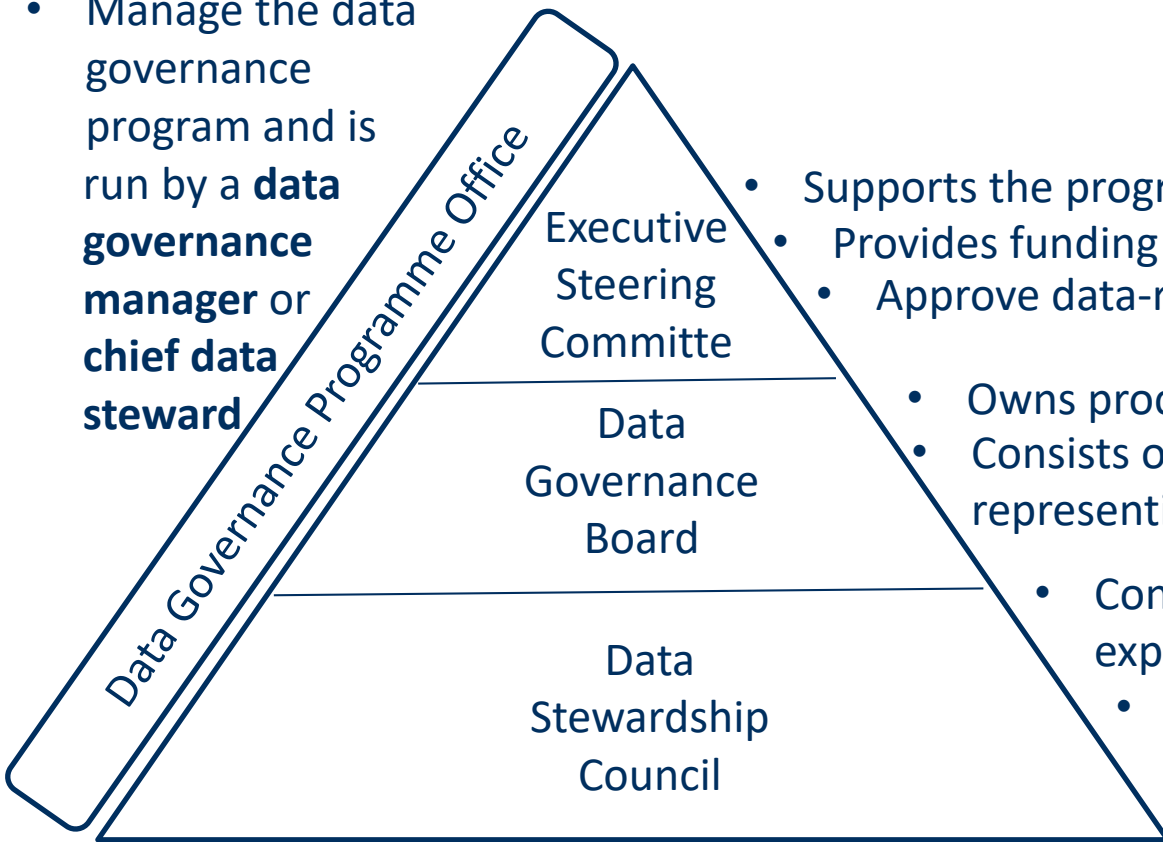
Governed data

- Governed data require:
 - standardized business names
 - standardized business definitions
 - specified rules for data creation – specifying what is needed for creating certain data
 - specified rules for usage of the data – specifying for which purpose the certain data can or cannot be used
 - specified rules of data quality
 - documentation of physical location of physical instances of the data
 - specified data governors and data stewards responsible for the data



Data governance program

- Manage the data governance program and is run by a **data governance manager** or **chief data steward**



- Supports the program enterprise-wide
- Provides funding for the program
- Approve data-related policies

- Owns processes, and key data element
- Consists of **data governors (data owners)** representing data-owning business functions

- Consists of **data stewards** that are experts on definitions and the use of data
 - Decide how to create metadata, create and carry out data-related procedures, and manage tools



The three P:s: Policies, Processes and Procedures

- Effective data governance and data stewardship requires policies, processes and procedures.
- **Policies** – are high level rules that that supports the achievement of enterprise goals (such as “Redundant data element are not allowed”)
- **Processes** – state what tasks to do on a high level to comply with the policies (such as “search through the business glossary, do a comparison of definitions, resolve potential duplicates, create a new data element, etc)
- **Procedures** – state exactly how to perform each task in processes (such as, an exact description of how to search through the business glossary, etc)



Business data steward

- The business data steward - is responsible for stewarding the data of a certain business function
- First, the business data steward - knows data and issues related to data in general
- Second, the business data steward - also knows what the business needs is in a certain business function – especially when it comes to requirements on the data used in the business function



Business data steward

- The business data steward - often formalizes and structures a role that somebody already has taken informally in an organization, which is a person that everybody in the organization approach to ask questions regarding data-related issues
- By formalizing the role of the business data steward, the work with data-related issues will be more effective and efficient



Domain data steward

- Domain data steward – is a business data steward that represent several business functions - when the same data element (e.g. customer) are used in several business areas, and the ownership of the data element needs to be shared among two or more business areas



Technical data steward

- Technical data steward – is an IT representative that has knowledge of IT systems
- Technical data steward – understand how data are created, manipulated (e.g., transformed), stored, and moved (e.g., transported, transferred) in and between IT systems – and therefore needs to collaborate with the other roles of data steward
- Technical data steward - can work with data quality resolution rules, ETL jobs, identity resolution for master data management



Project data steward

- Project data steward – works in projects, and helps and reports back to the business data stewards about data-related issues in the projects, and, thereby, taking work load off the business data stewards
- Project data steward – is usually a person already involved in a project
- Project data steward – is not the responsible for the data in the projects – this is still the role of business data stewards



Operational data steward

- Operational data steward – help the business data steward on an operational level, that is, working directly with the data to address different data-related issues, and reports back to the business data steward
- For example, an operational data steward can ensure that data creation rules are followed
- Operational data steward – is not the responsible for the data – this is still the role of business data stewards

