



Data Management or Governance Frameworks

Keynote



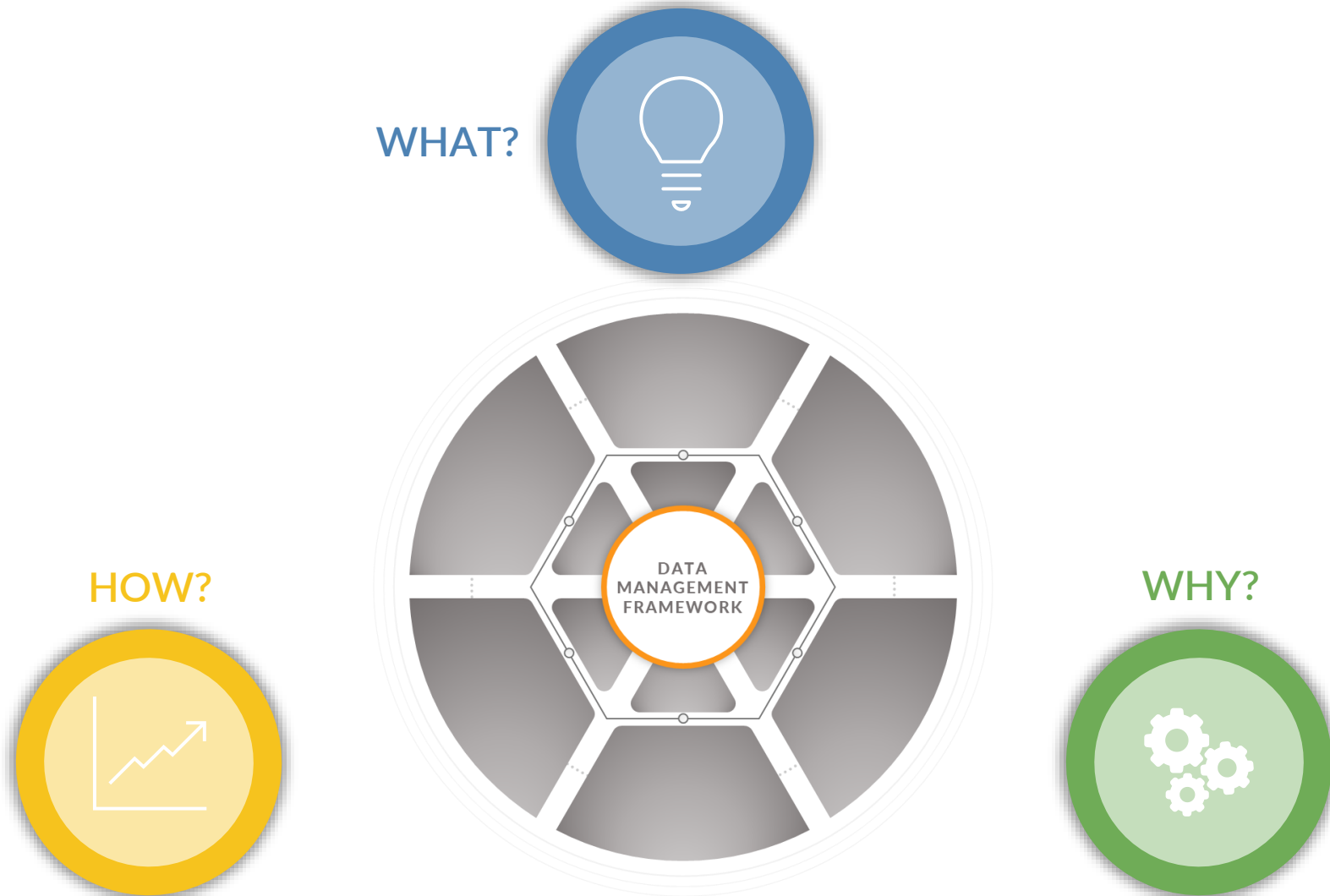
Where Are You Now and Where Do You Want to Be?

NOW

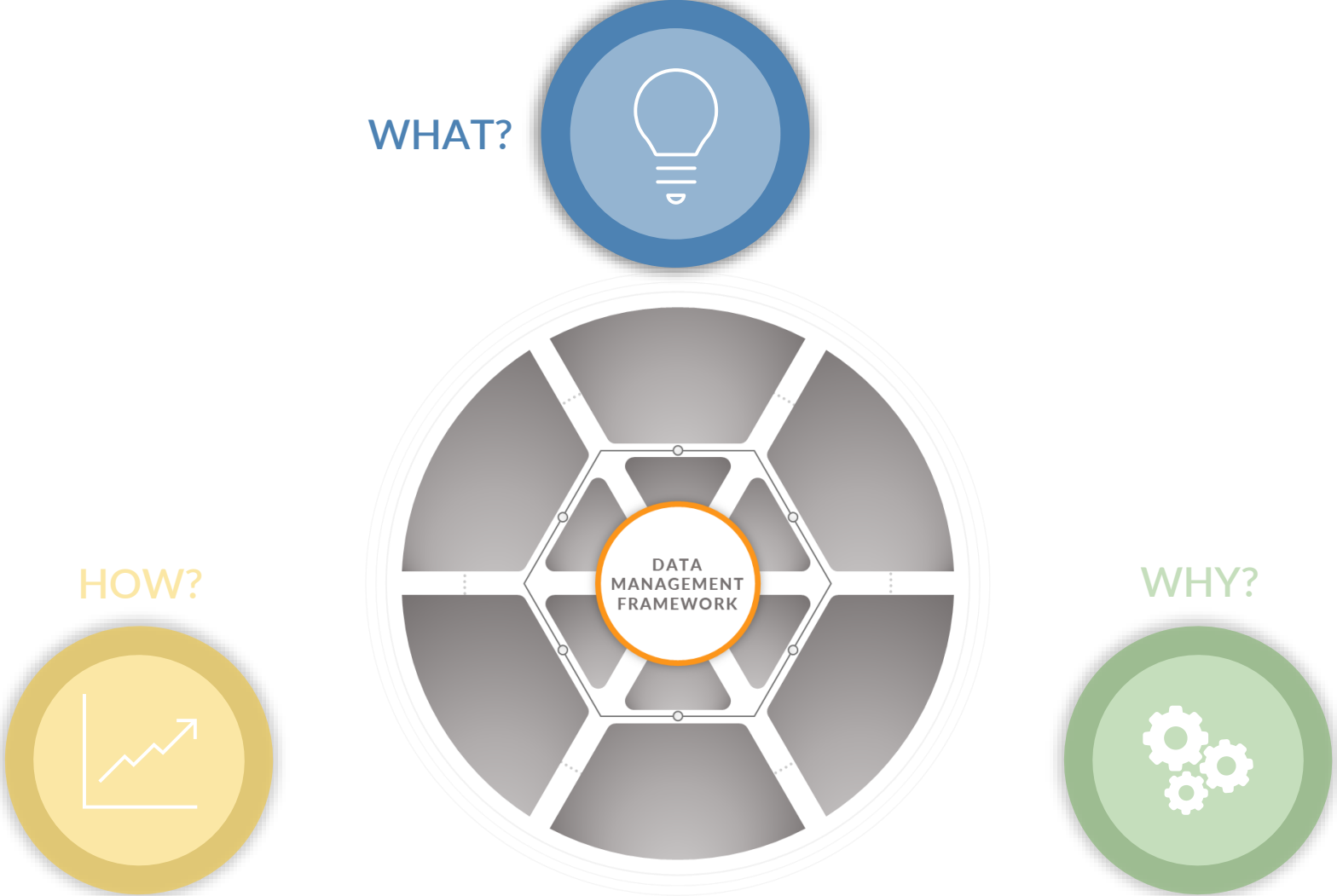
TO BE



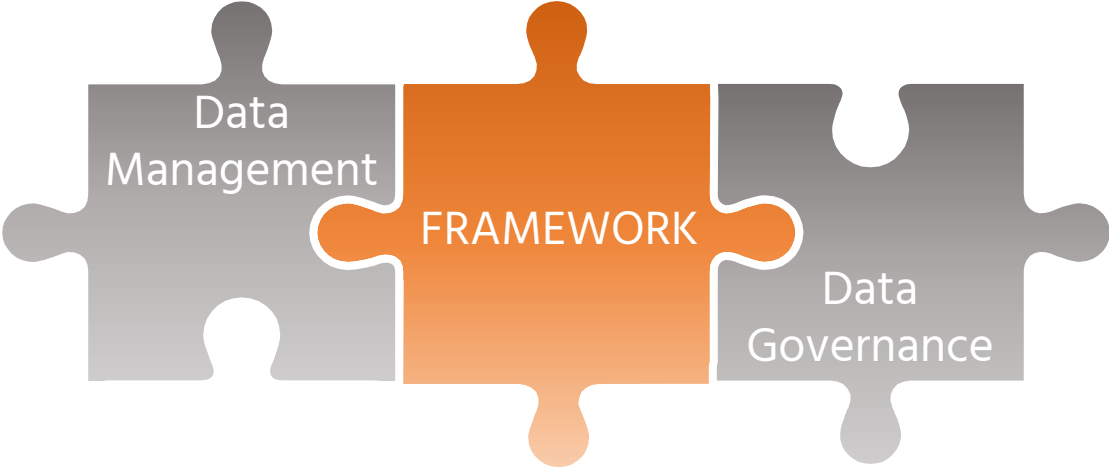
A Data Management Framework: What? Why? How?



A Data Management Framework: What? Why? How?

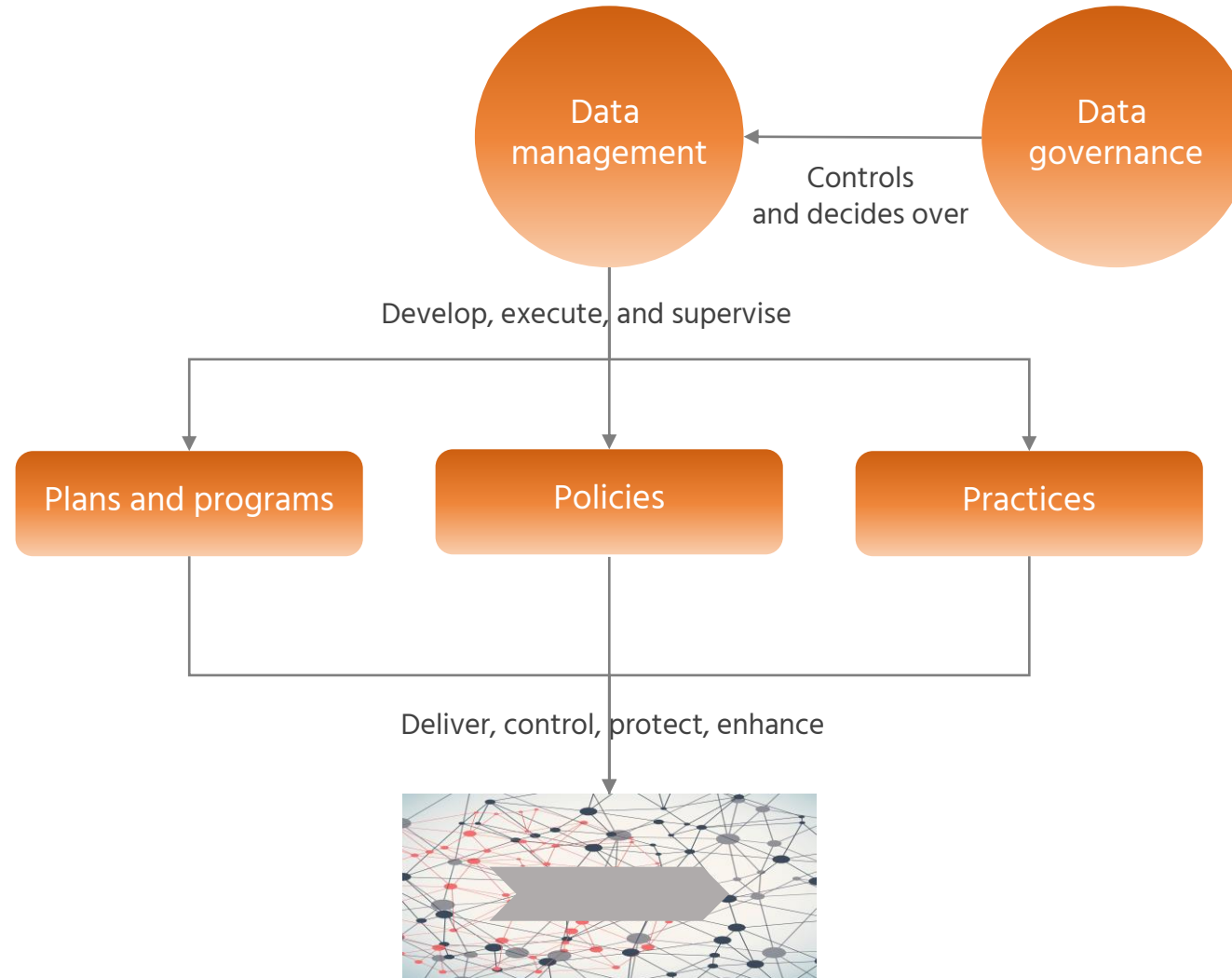


To Be on the Same Page, We Need to Align Terminology



Data Governance Governs Data Management, not Data

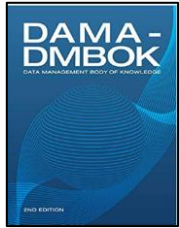
Data management is the *development, execution, and supervision of plans, policies, programs, and practices* that deliver, control, protect, and enhance the value of data and information assets throughout their lifecycles



Data governance is the *exercise of authority, control, and shared-decision making (planning, monitoring, and enforcement) over the management of data assets*



The Definition of Data Management Depends on the Organizational Level



Data management is the **development, execution and supervision of plans, policies, programs, and practices** that *deliver, control, protect, and enhance the value* of data and information assets throughout their lifecycle.

Dataversity

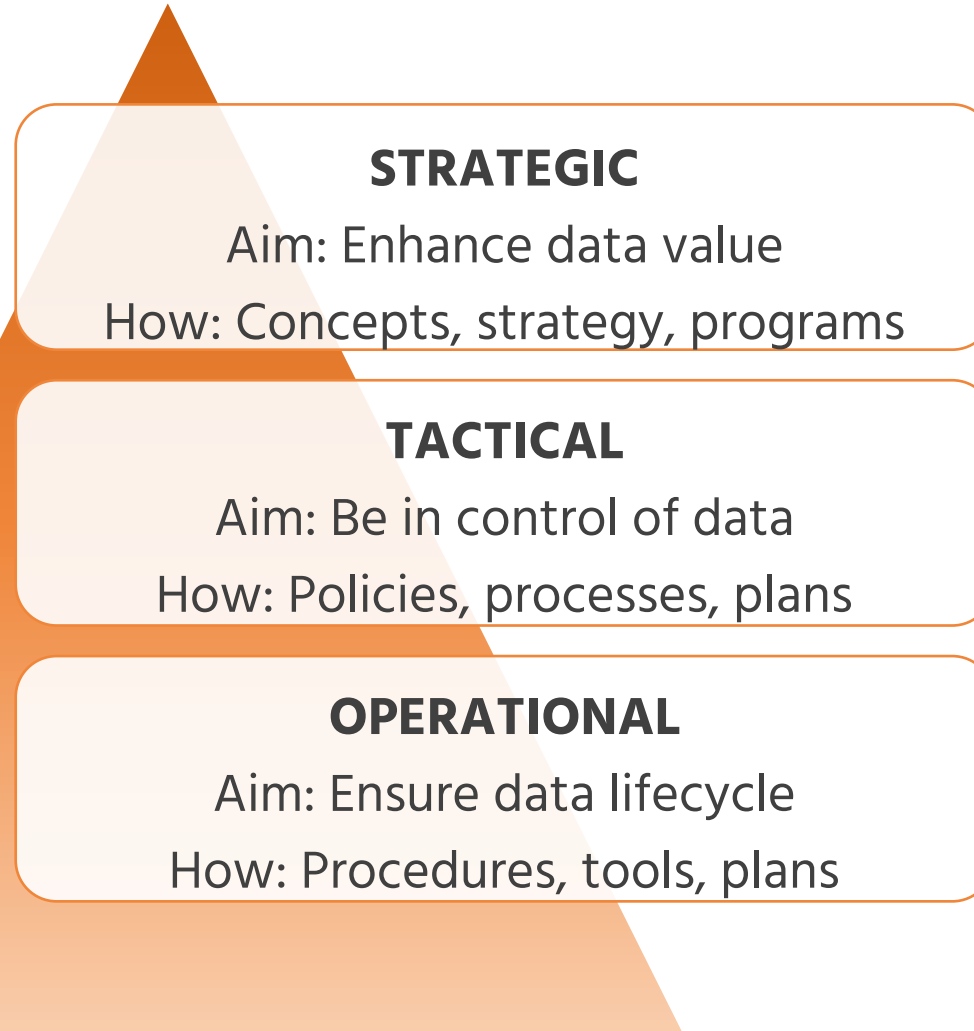
Data Management is a **comprehensive collection of practices, concepts, procedures, processes**, and a wide range of accompanying systems that allow for an organization to *gain control of its data resources*.

Informatica

Data management is the **implementation of policies and procedures** that put organizations in *control of their business data* regardless of where it resides.

Techtarget network

Data management is the **practice of organizing and maintaining data processes** to meet ongoing information lifecycle needs.



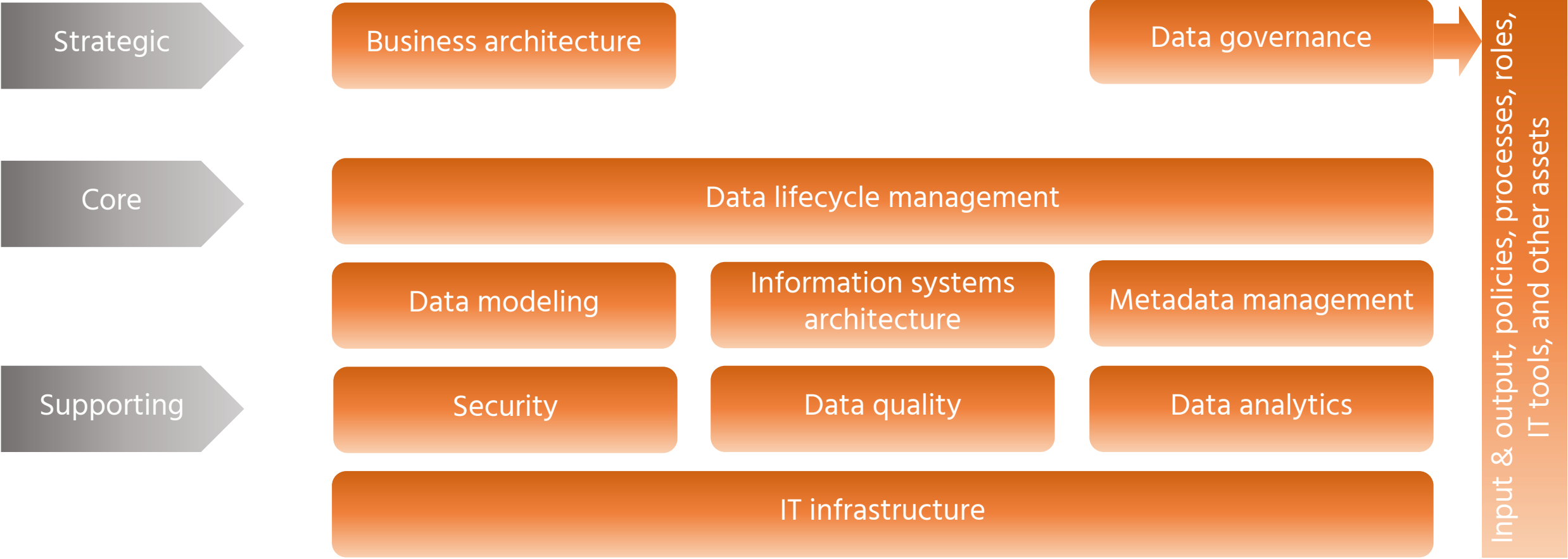
Effective data management requires identifying data requirements. The data management process also includes the establishment of **effective procedures to manage** the media library, backup and recovery of data and proper disposal of media. Effective data management helps ensure the quality, timeliness and availability of business data.

Technopedia

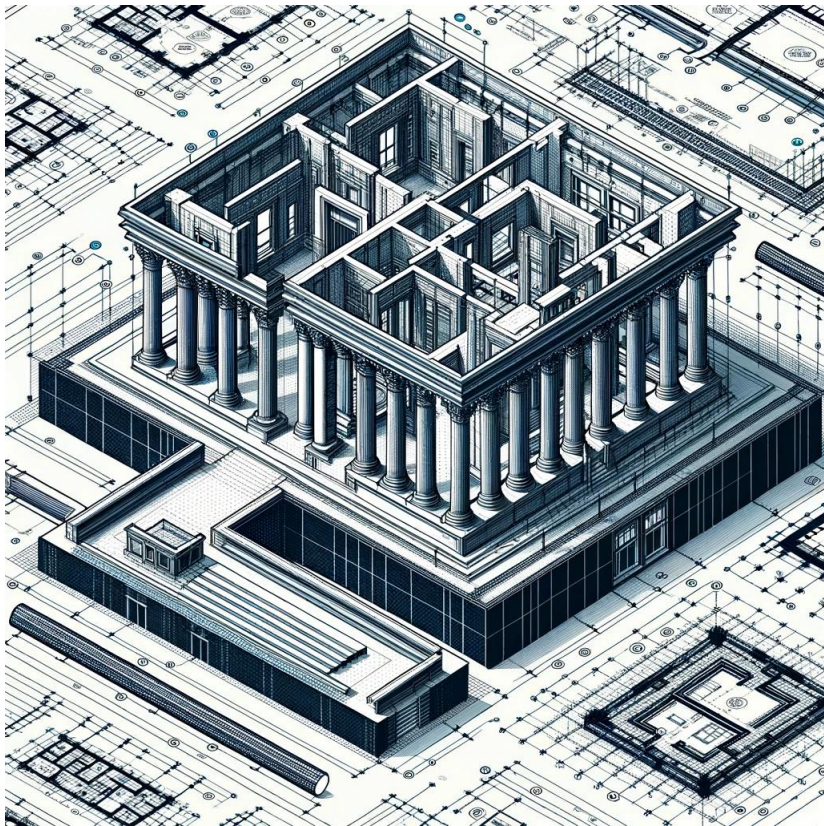
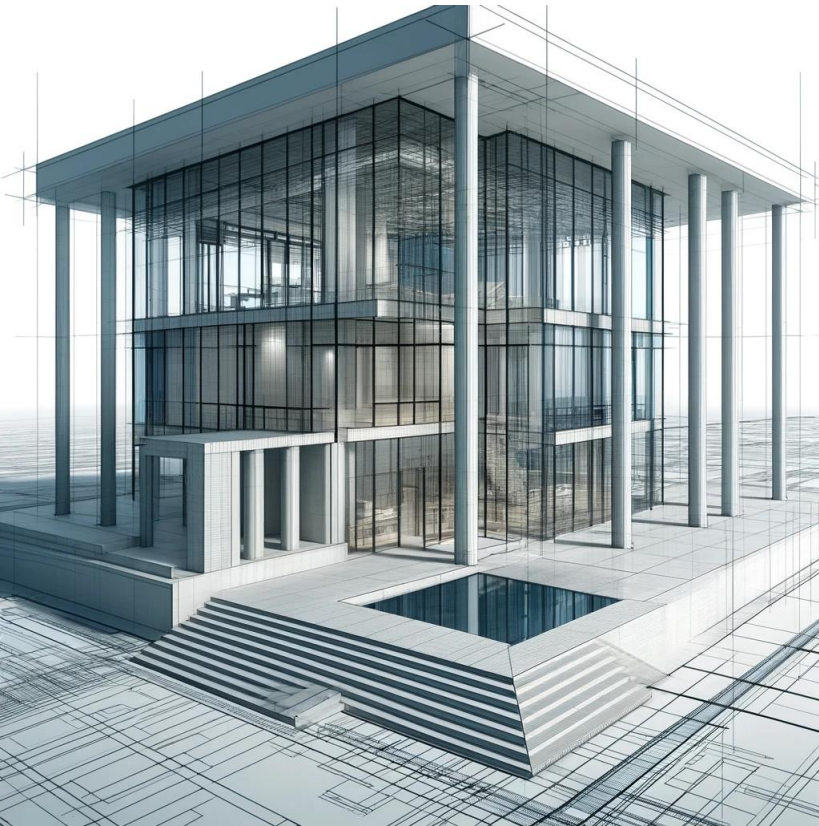
Data management refers to an organization's **management of information and data** for *secure and structured access and storage*. Data management tasks include the creation of data governance policies, analysis and architecture; database management system (DMS) integration; data security and data source identification, segregation and storage.



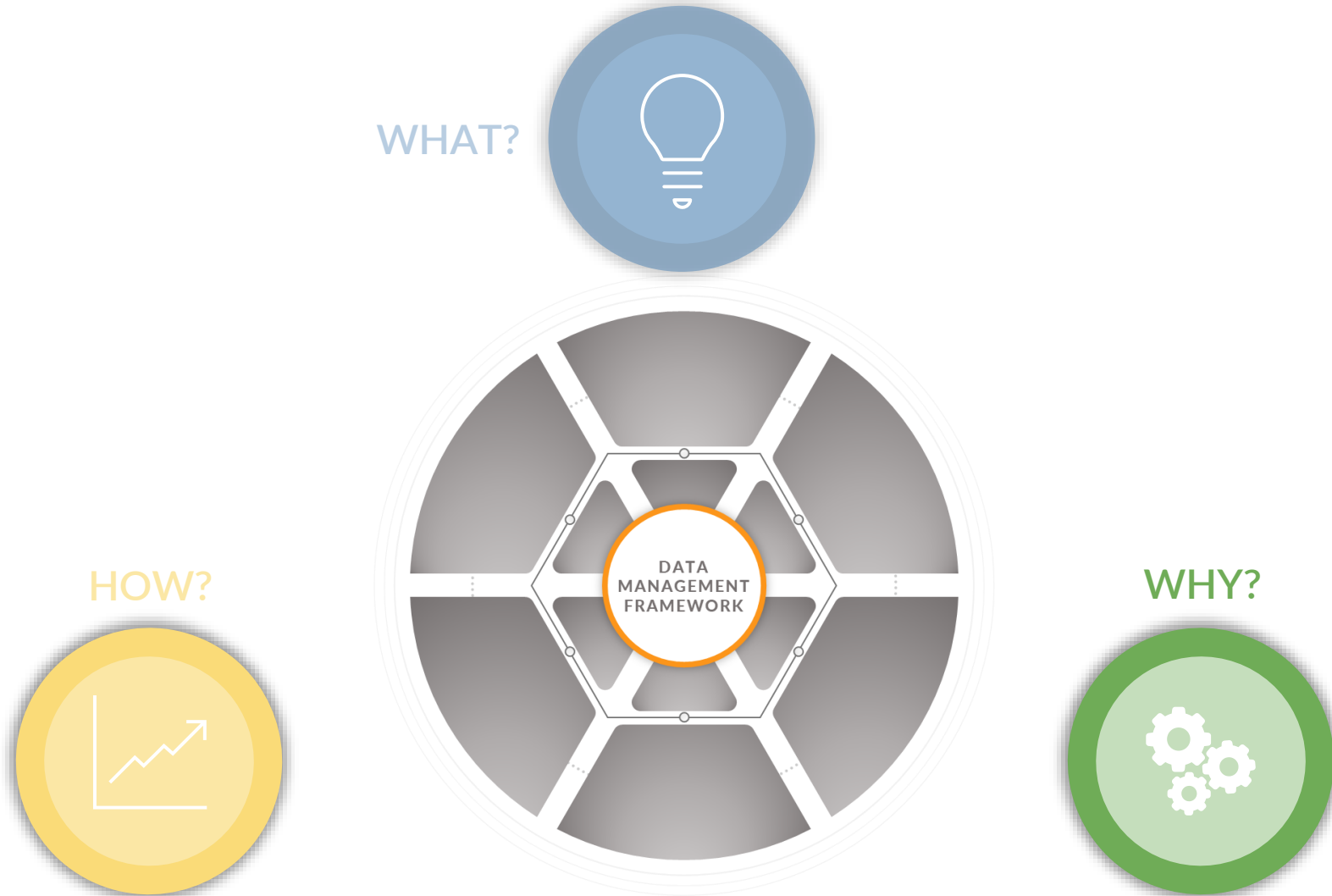
A Data Management Capability Consists of Multiple Sub-Capabilities, including Data Governance



A Framework Must Meet an Organization's Needs and Resources



A Data Management Framework: What? Why? How?



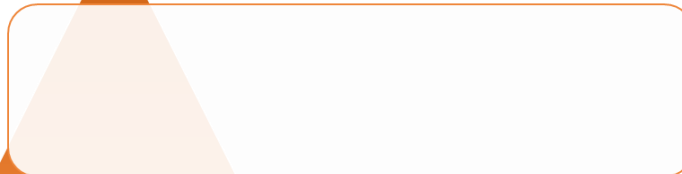
Every Company Manages Data in One Way or Another



Ad-Hoc



Business Function



OPERATIONAL
Aim: Ensure data lifecycle
How: Procedures, tools, plans

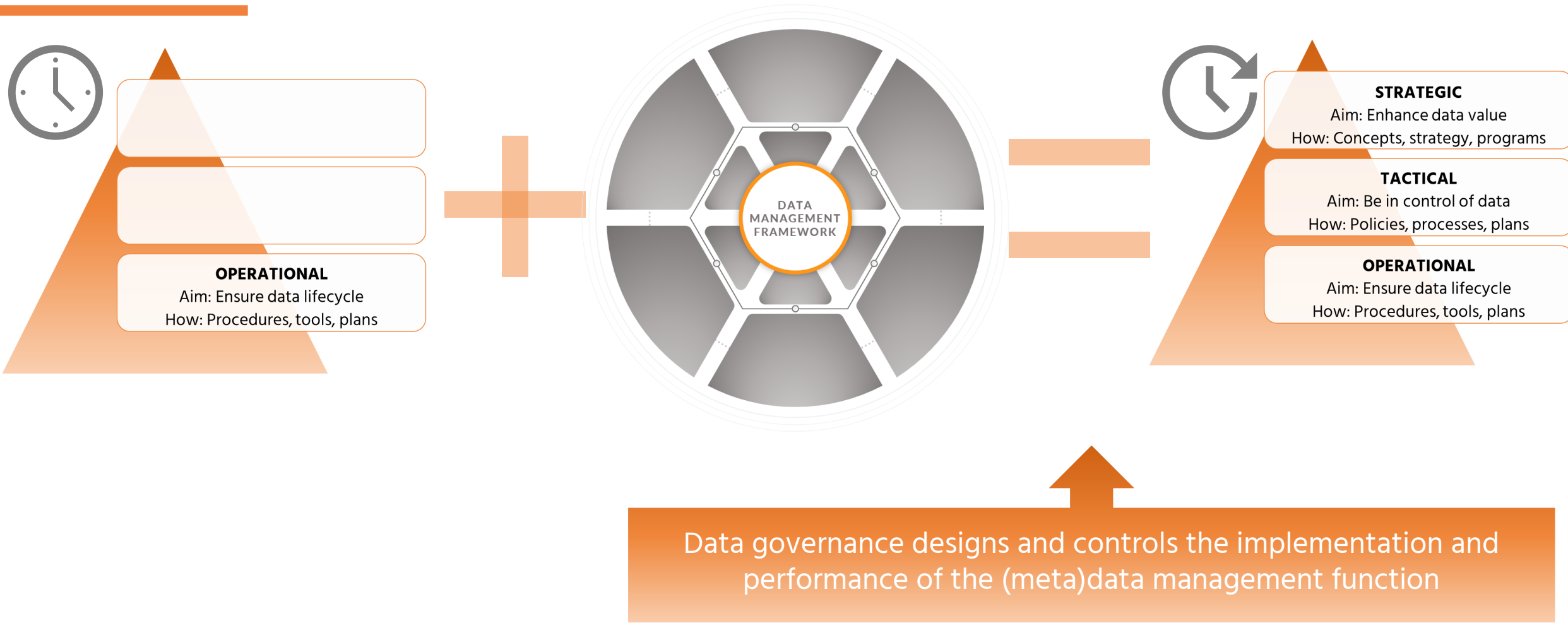
STRATEGIC
Aim: Enhance data value
How: Concepts, strategy, programs

TACTICAL
Aim: Be in control of data
How: Policies, processes, plans

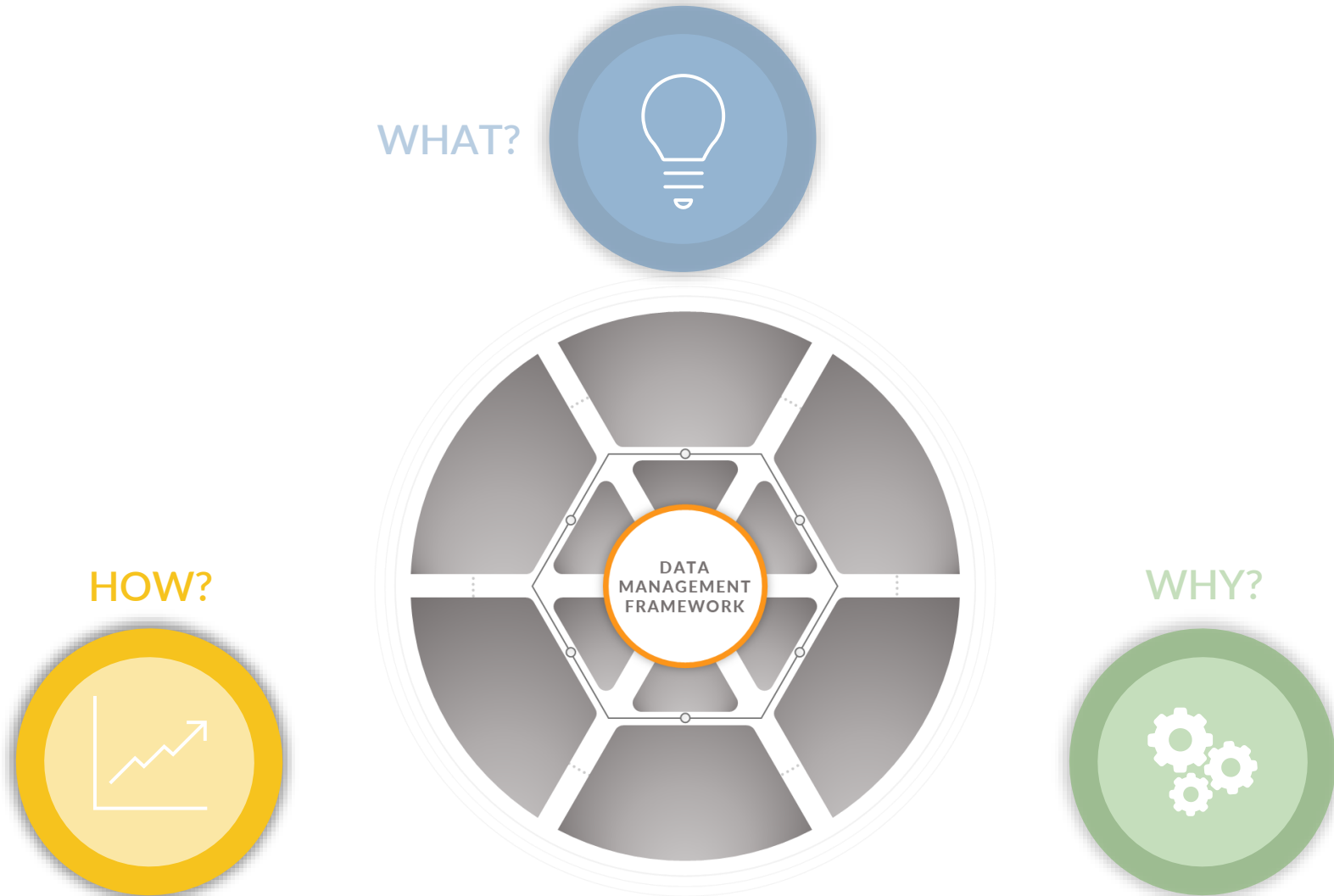
OPERATIONAL
Aim: Ensure data lifecycle
How: Procedures, tools, plans



Data Governance and a DM Framework Assists in Transforming a Data Management Capability into a Business Function



A Data Management Framework: What? Why? How?



Leading Industry DM Frameworks Are Applicable at Various Organizational Levels

DAMA-DMBOK2

DCAM™

TOGAF®

STRATEGIC

AIM: Enhance data value
HOW: Concepts, practices,

TACTICAL

AIM: Be in control of data
HOW: Policies, processes, plans

OPERATIONAL

AIM: Ensure data lifecycle
HOW: Procedures, plans

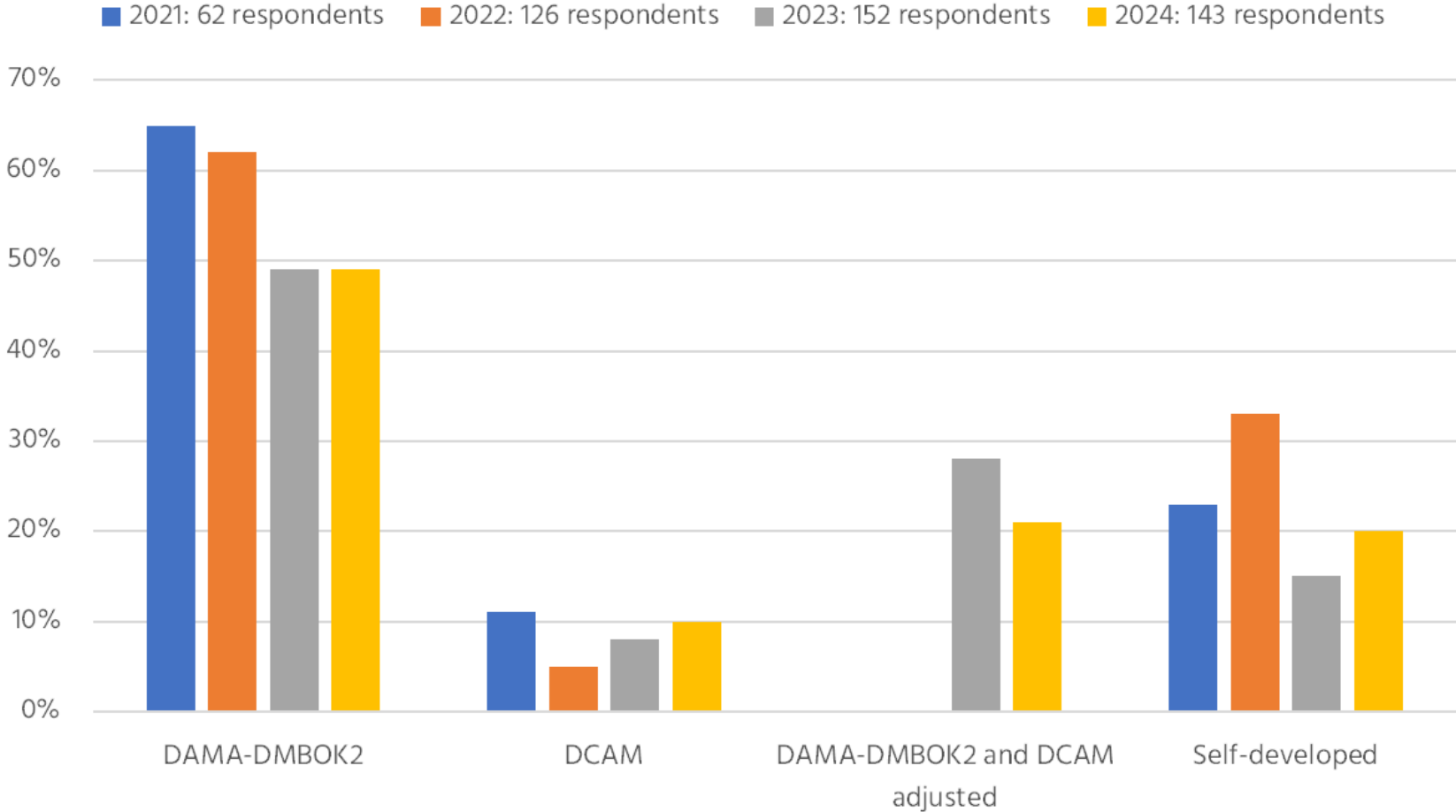
COBIT

ITIL

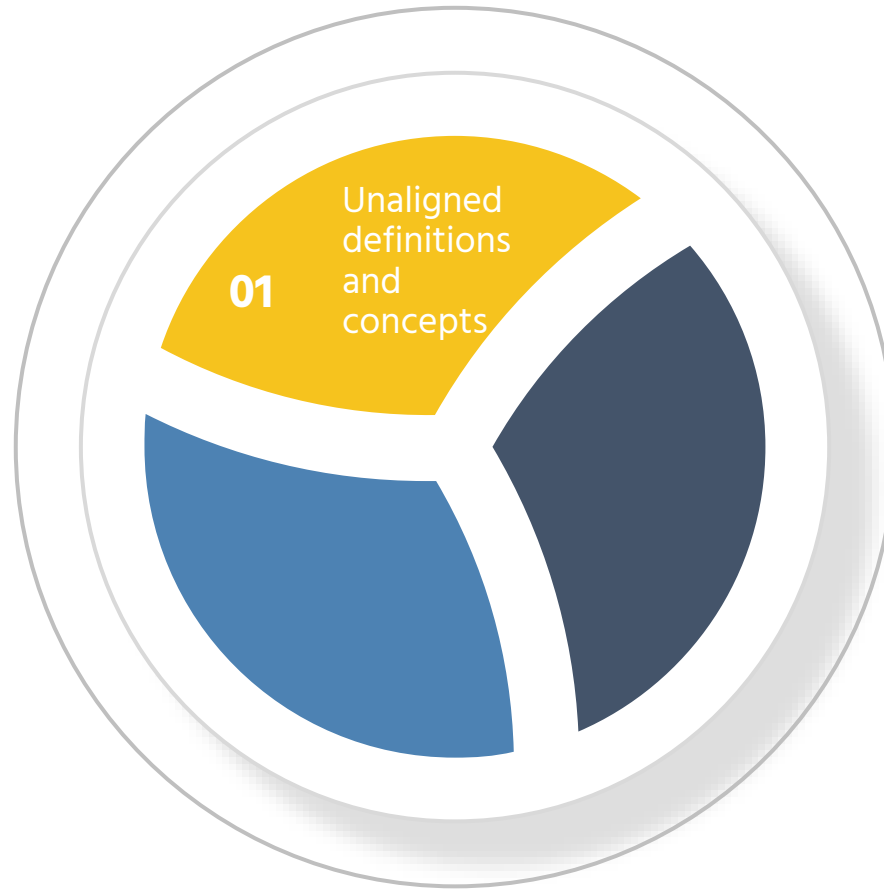


An Organization Must Choose a Framework That Fits Its Needs and Resources

TRENDS IN USING DM FRAMEWORKS

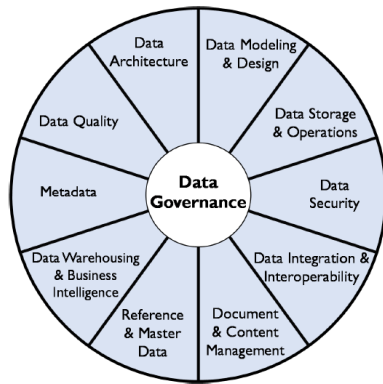


Leading Industry Guidelines Have Some Challenges



DAMA-DMBOK2 and DCAM™ Have Quite Different Views on Data Management

DAMA-DMBOK2

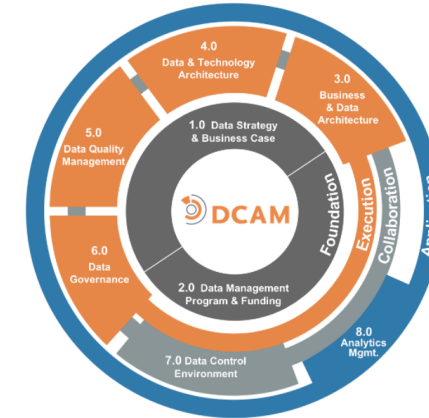


Knowledge Area

11

DM is a part of IT

DCAM v.2.2



Component/ (Sub)Capability/Objective

8/38/136/488

Collaborative environment



The type of a building block



The number of building blocks

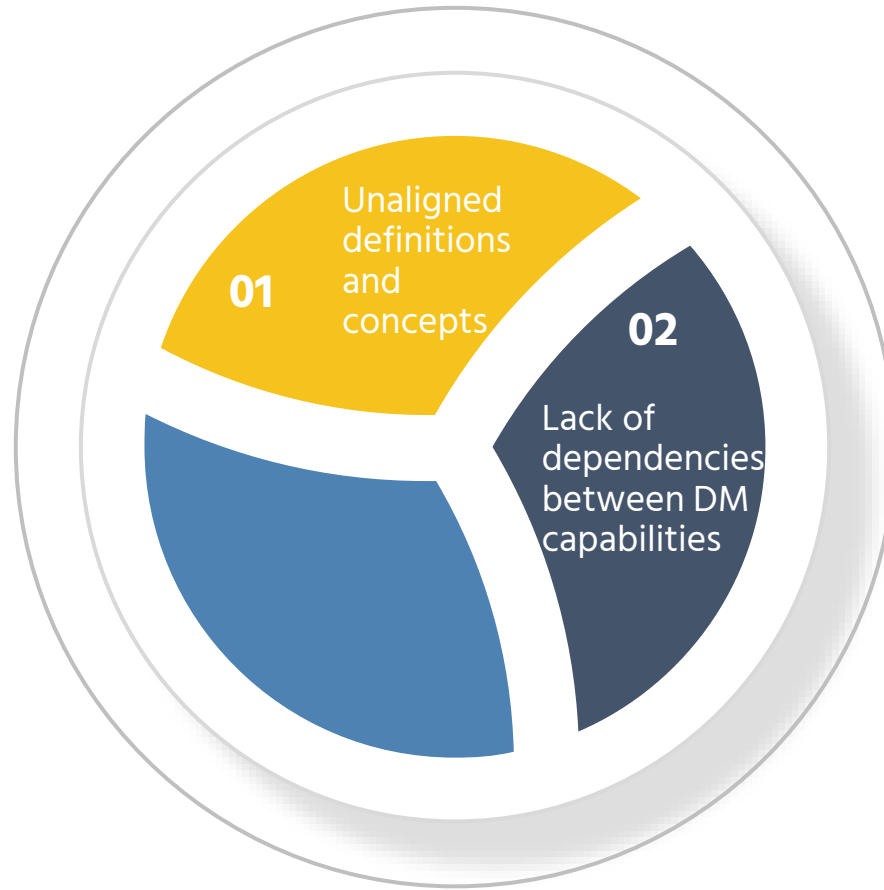


The role of IT



Content and deliverables

Leading Industry Guidelines Have Some Challenges



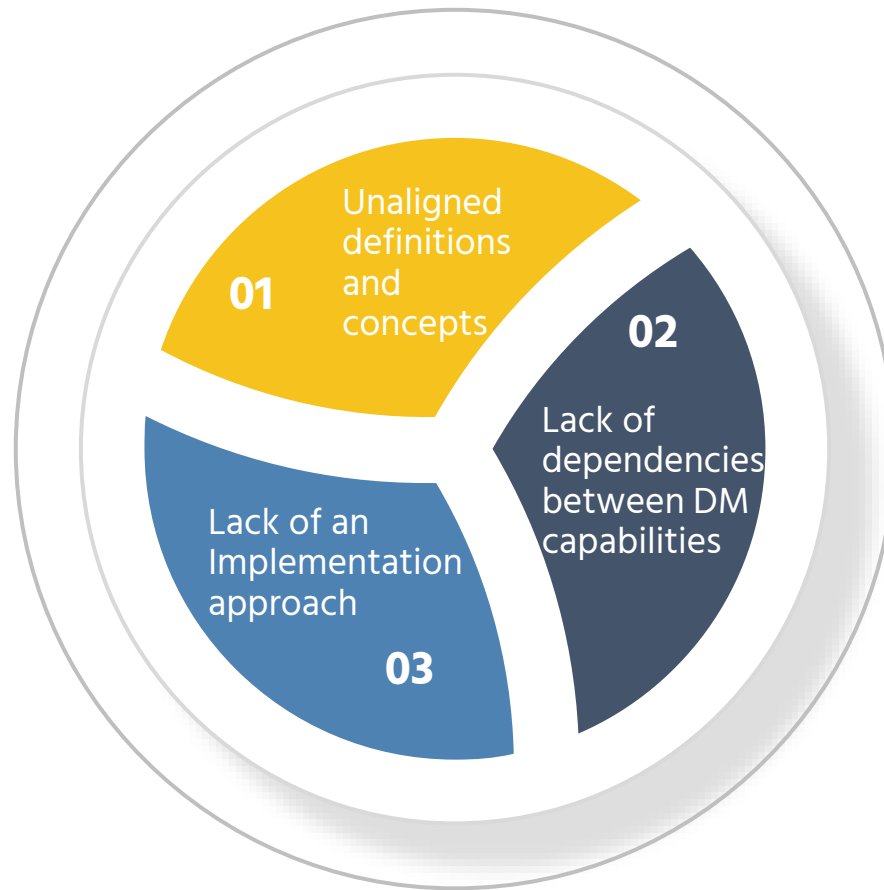
DAMA-DMBOK2 Does Not Provide an Integrated View on Data Management

“None of the pieces of the existing DAMA Data Management framework describe the relationship between the different Knowledge Areas.”

Source: DAMA International. DAMA-DMBOK: Data Management Body of Knowledge, Second Edition. Bradley Beach, N.J.: Technics Publications, 2017, p.38



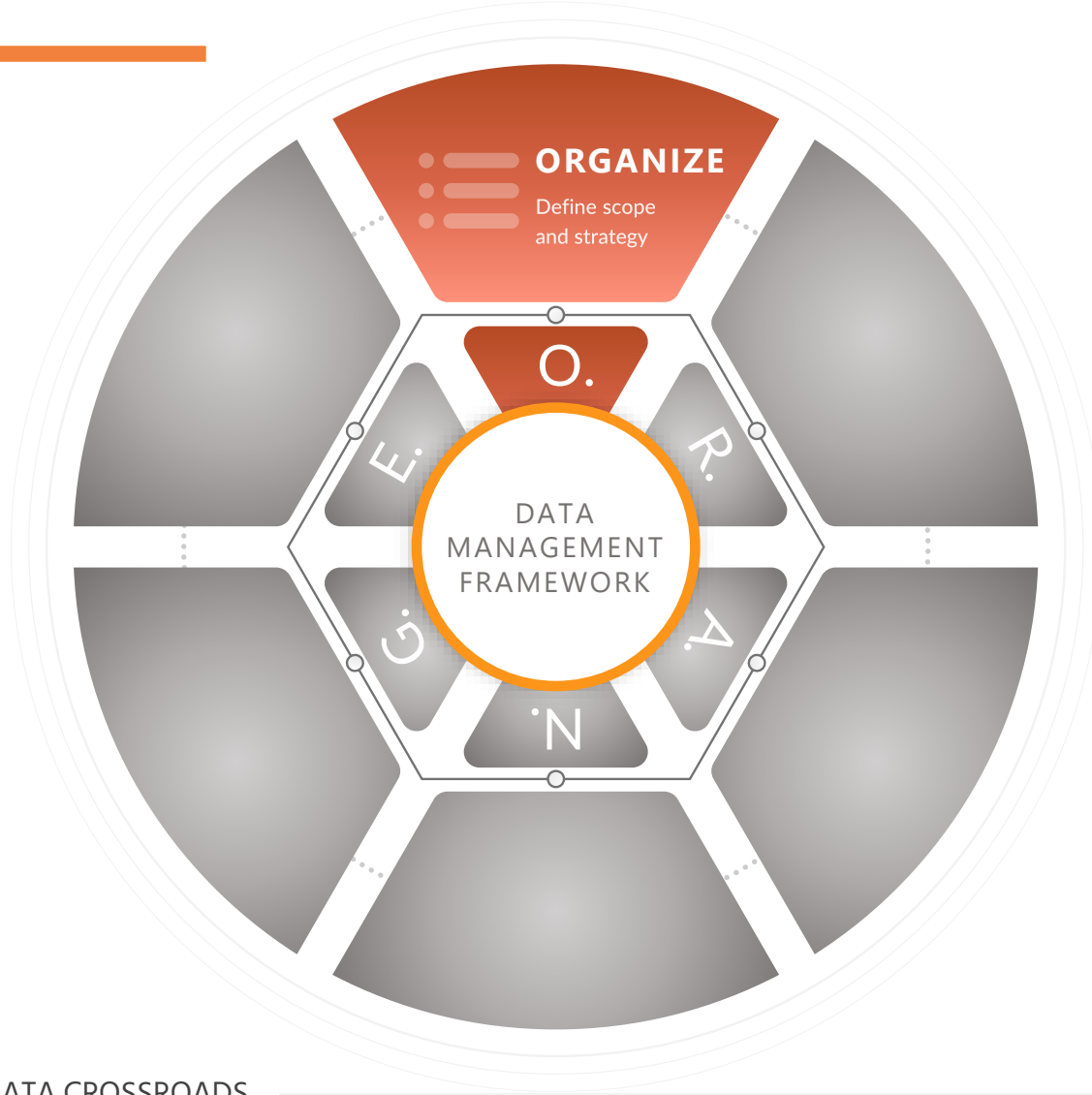
Leading Industry Guidelines Have Some Challenges



What Are the Core Tasks of a Data Management Framework?



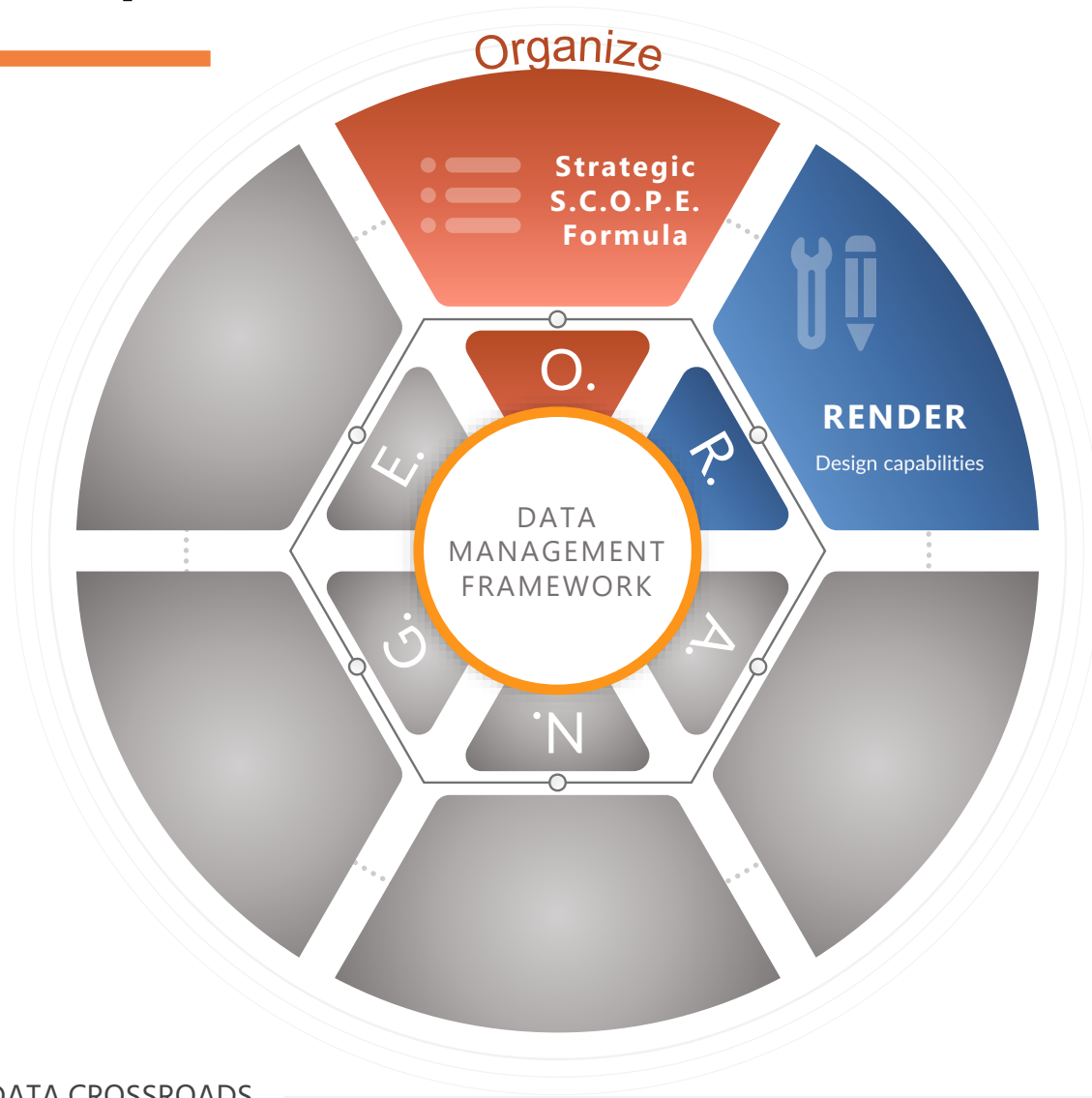
The Framework Must Assist in Scoping a Data Management Function/Initiative and Developing a Strategy



Strategic S.C.O.P.E.
Formula:

- Scope
- Strategy & Roadmap
- The set of core DM capabilities

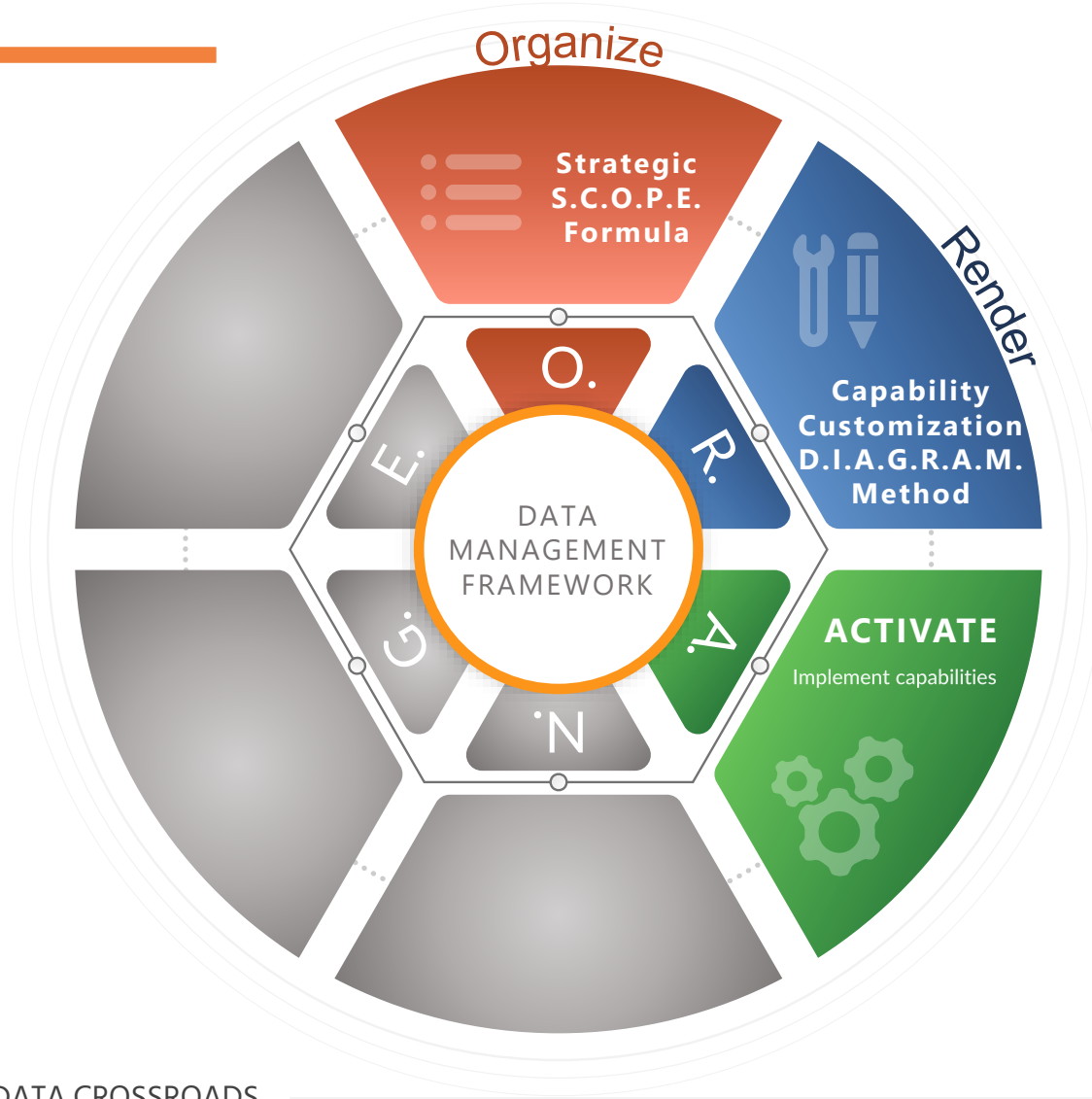
The Framework Must Assist in Designing Data Management Sub-Capabilities



Customized Capability
D.I.A.G.R.A.M. Method:

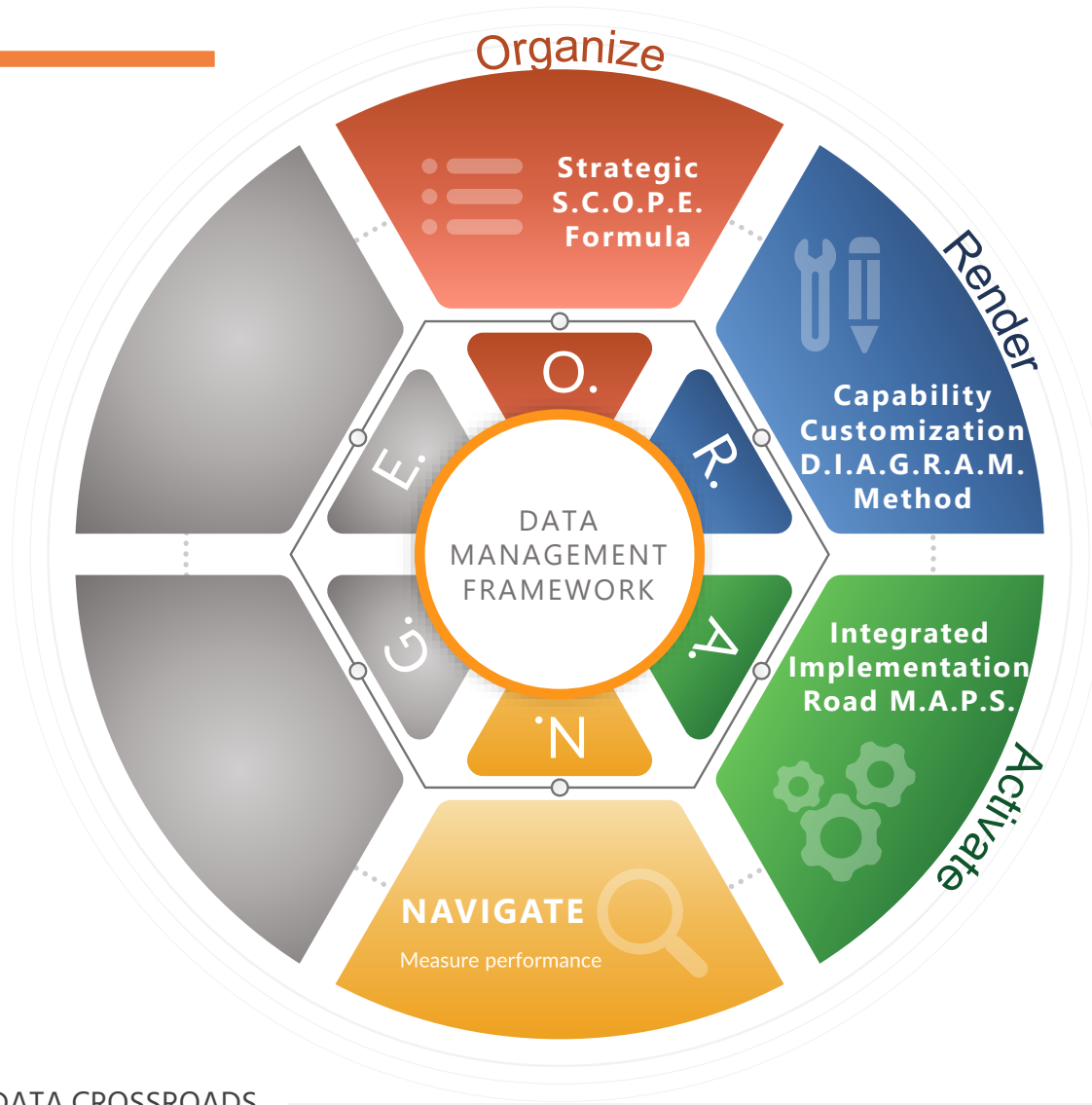
- Detailed design of each core DM Capabilities

The Framework Must Assist in Developing an Integrated Implementation Approach



Integrated
Implementation Road
M.A.P.S:
➤ An approach for
implementing core
DM capabilities

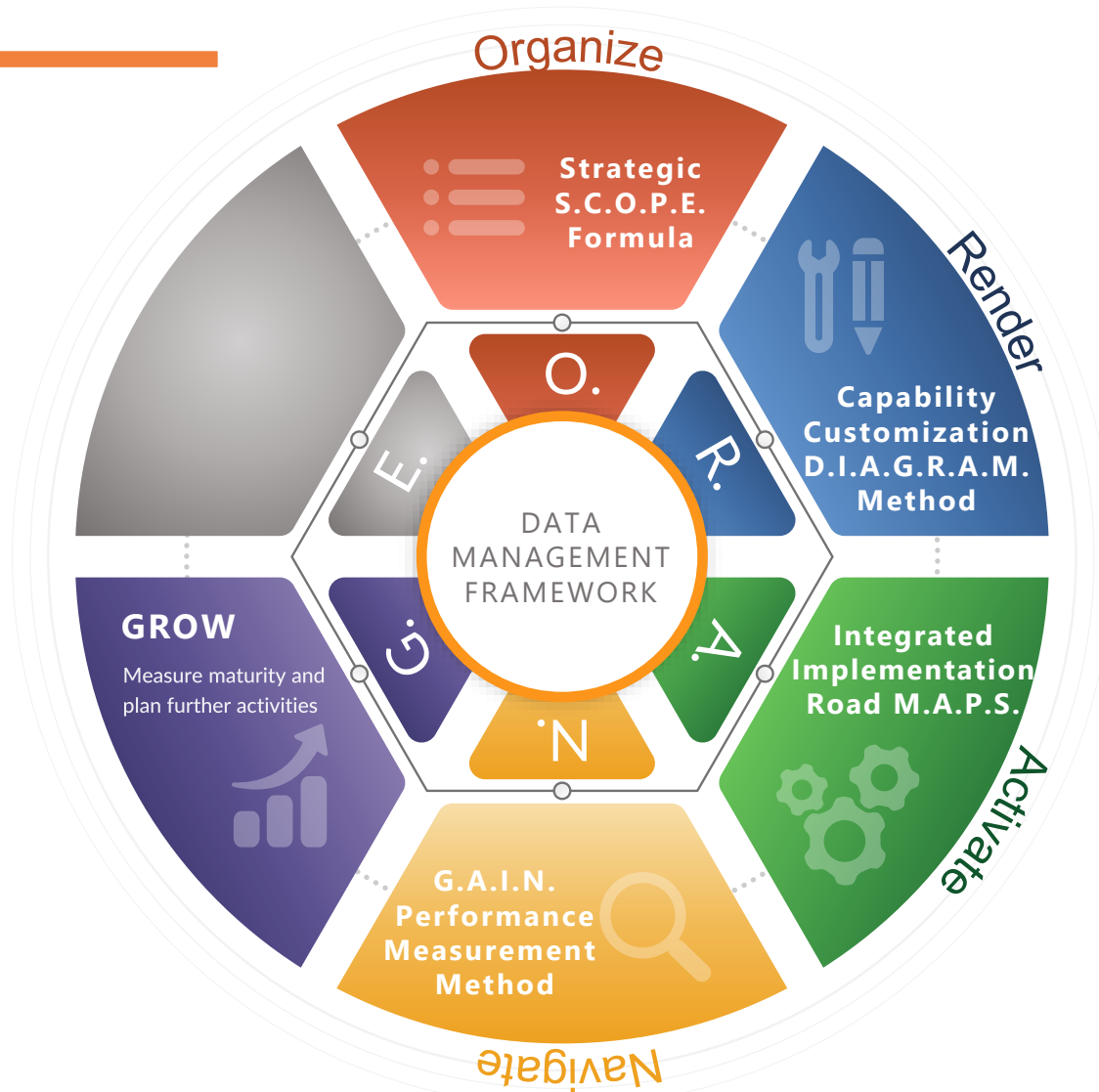
The Framework Must Assist in Measuring Data Management Performance



G.A.I.N. Performance Management Method:

- System of KPIs at multiple organizational levels

The Framework Must Assist in Measuring Maturity

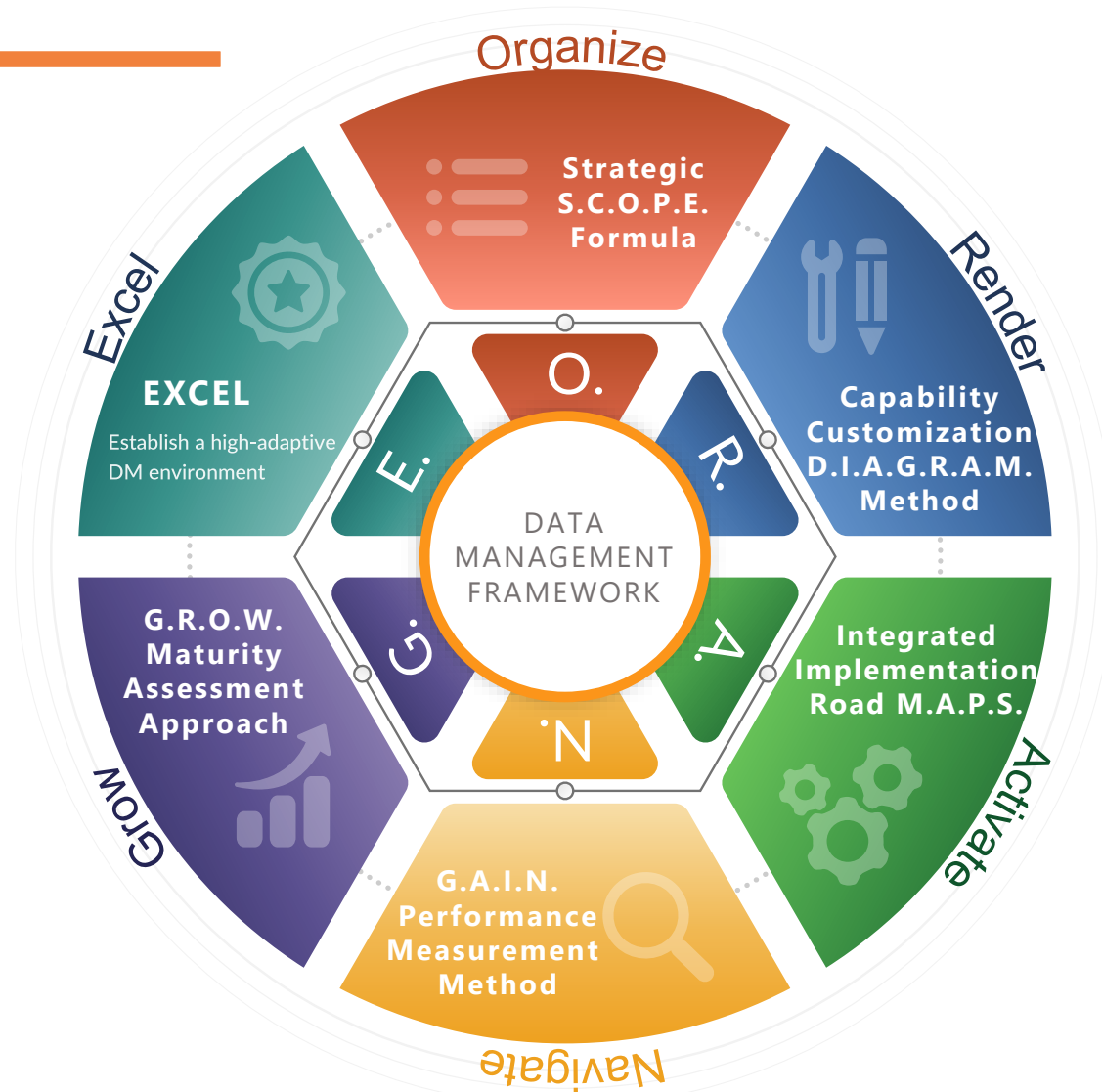


G.R.O.W. Maturity Measurement Method:

- Maturity Measurement Results and GAP analysis



The Framework Must Assist in Establishing a High-Adaptive DM Environment

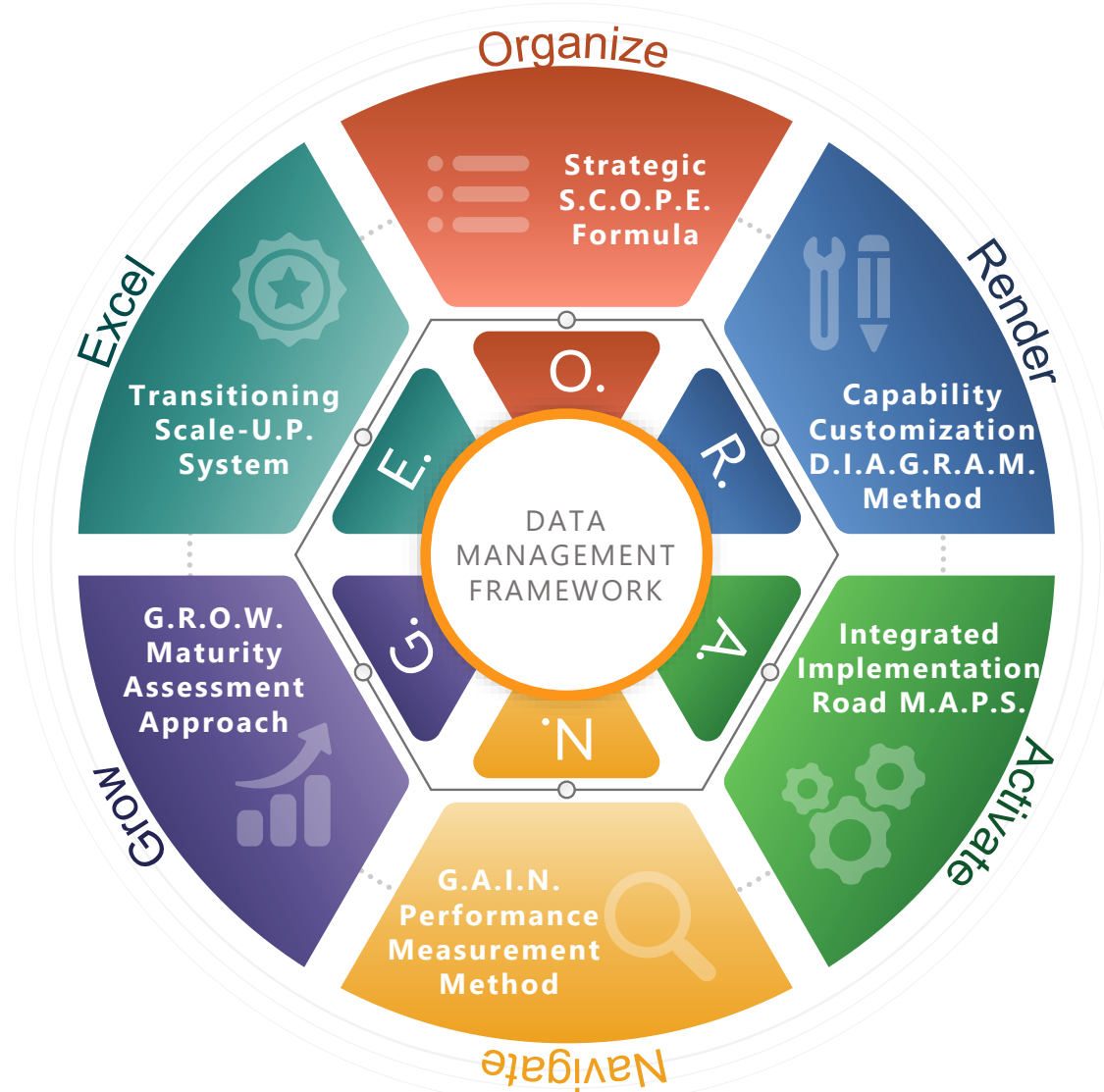


U.P. Scaling Transitioning System :

- Further development and plans



The O.R.A.N.G.E. (Meta)data Management Framework Helps in Establishing Various Data-Related Business Cases



A Few Words about Me...



CIVIL ENGINEER
ACTIVE **BLOGGER**
INTERNATIONAL BANKS

CONSULTANT

DATA LINEAGE

DATA AND INFORMATION VALUE CHAIN

4 BOOKS

3 **WHITEPAPERS**

DATA MANAGEMENT FOR GLOBAL COMPANIES

OWNER DATA CROSSROADS

50 **ARTICLES**

IMPLEMENTATION OF DATA MANAGEMENT

11 YEARS OF HANDS-ON EXPERIENCE

FINANCE & BUSINESS CONTROL

ERP IMPLEMENTATION

MANAGEMENT CONSULTANCY

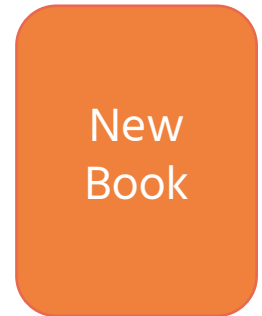
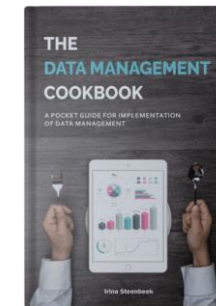
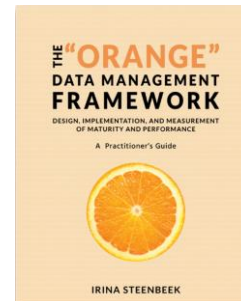
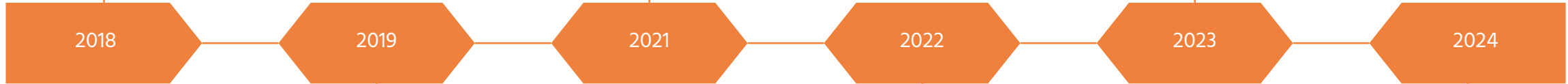
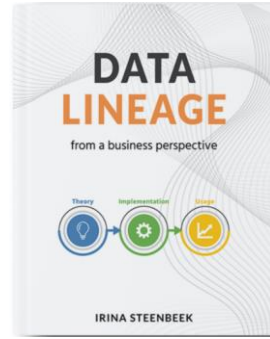
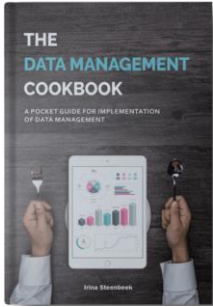
DATA MANAGEMENT MATURITY ASSESSMENT (REVIEWS)

SPEAKER AT INTERNATIONAL CONFERENCES



I've Shared my Experience in Several Books and Courses:

available at 



Data Crossroads Publishes DM Maturity Assessment Reviews Annually:

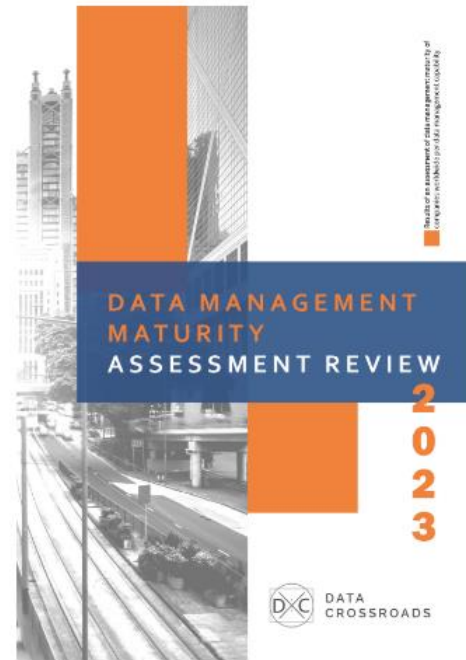
THE DM MATURITY REVIEW IS BASED ON THE RESULTS OF THE DM MATURITY SCAN.

NUMBER OF PARTICIPANTS:

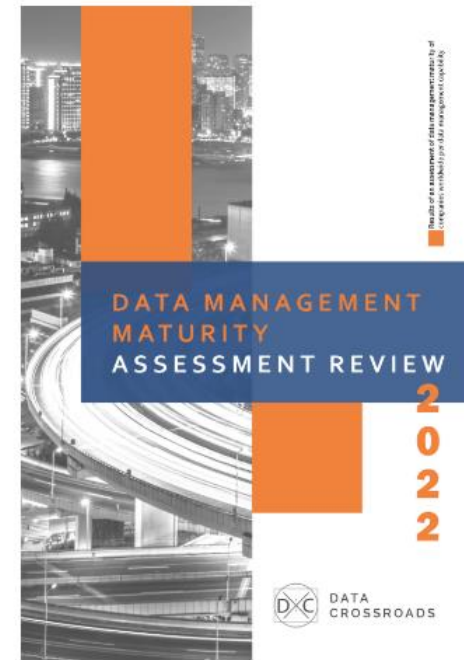
- 2019: 63
- 2020: 233
- 2021: 313
- 2022: 279
- 2023: 307

THE REVIEW CAN BE DOWNLOADED FREE-OF-CHARGE:

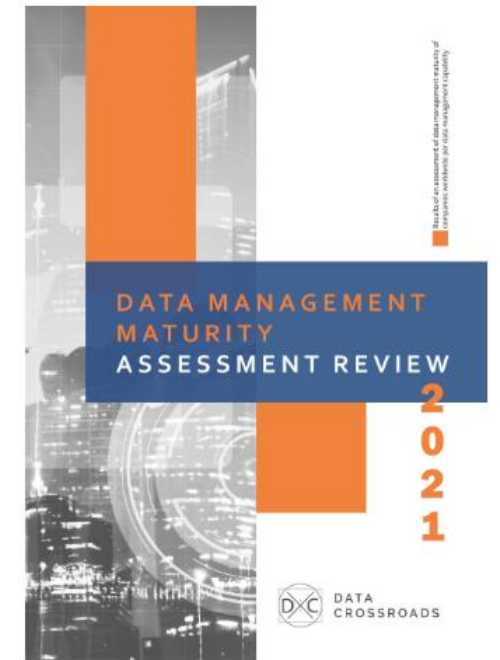
<https://datacrossroads.nl/data-management-maturity-assessment-review-2022/>



DATA MANAGEMENT MATURITY ASSESSMENT REVIEW 2023

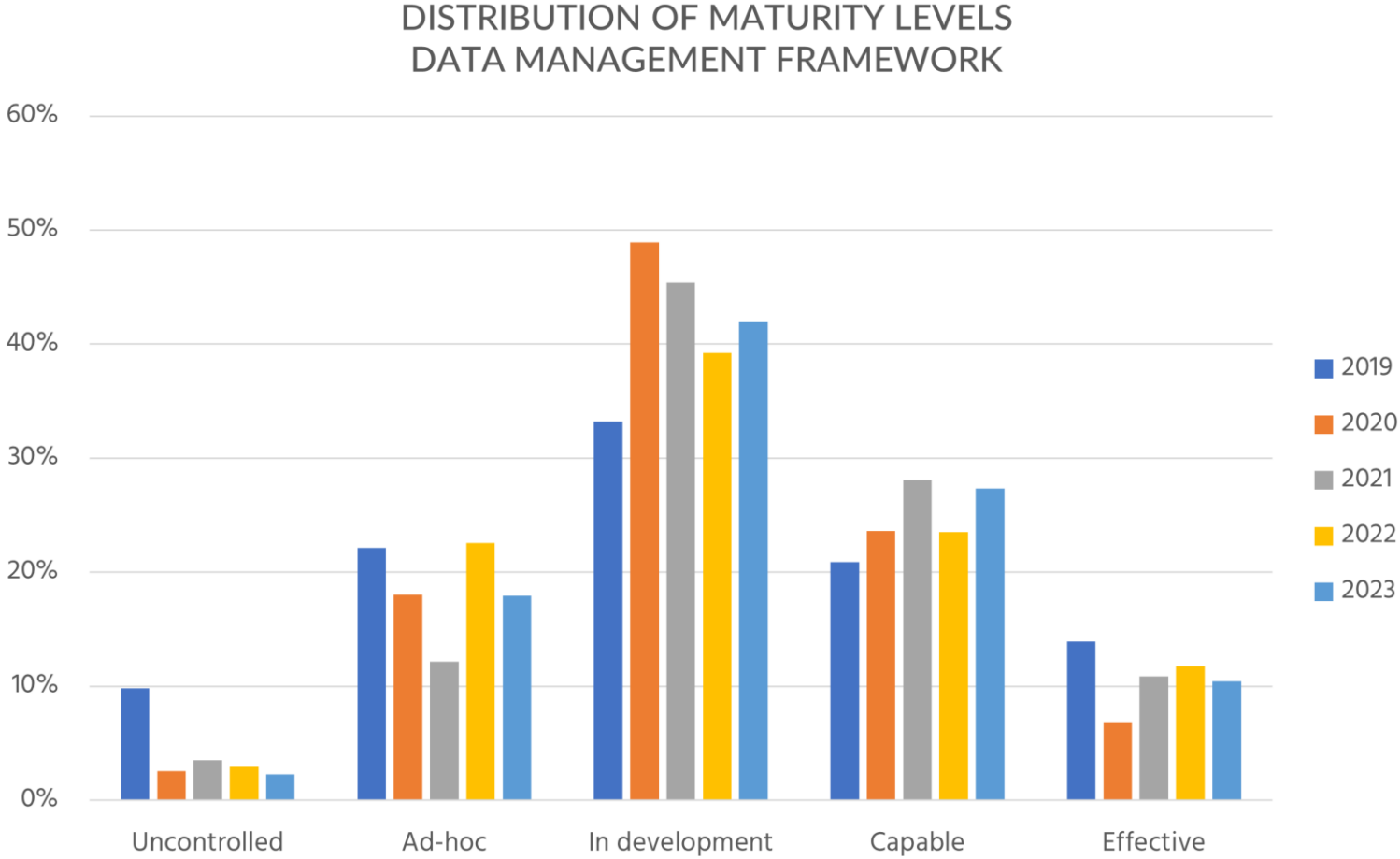


DATA MANAGEMENT MATURITY ASSESSMENT REVIEW 2022

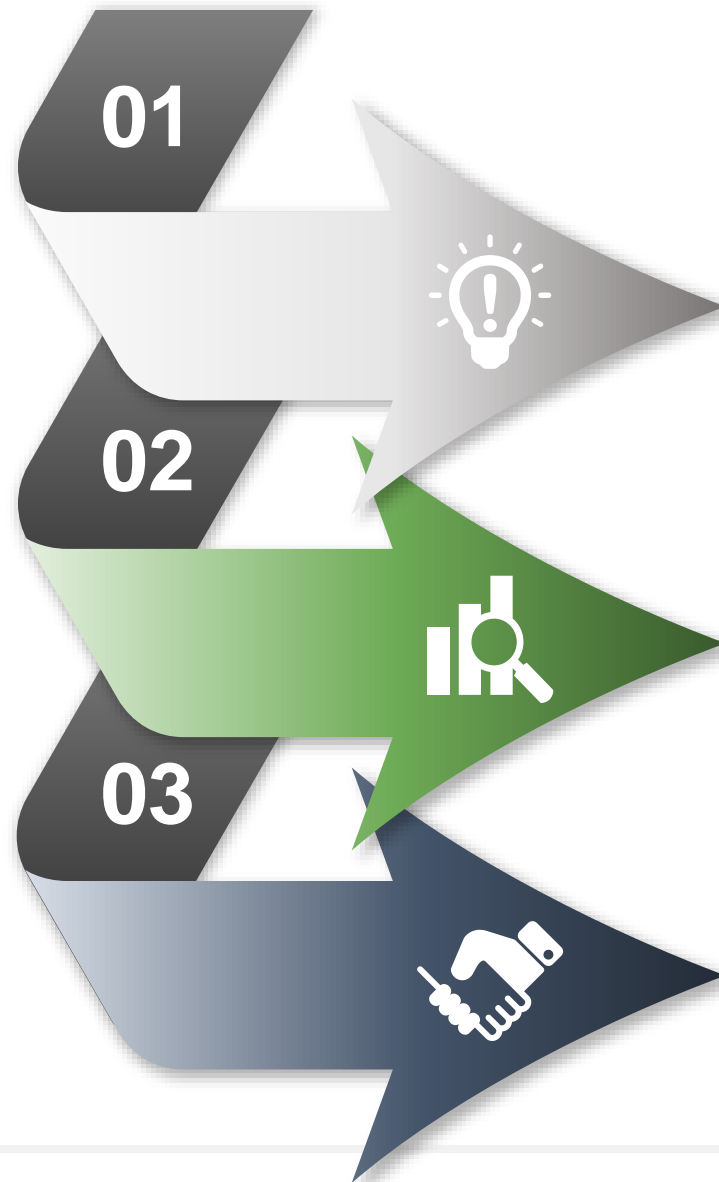


DATA MANAGEMENT MATURITY ASSESSMENT REVIEW 2021

Trends Demonstrate Some Improvements in the Maturity Level of Implementing Data Management Frameworks



Key Takeaways



DM as a Business Function

A DM Framework must assist in establishing a DM business function

DM Framework Must Assist in:

- Scoping a DM function/initiative
- Designing DM capabilities
- Implementing integrated DM capabilities
- Measuring maturity and performance

Multiple Organizational Levels

A DM Framework must assist in implementing a DM function at multiple organizational levels



THANK YOU!

Do you have any questions?
Get in touch with us at

DATACROSSROADS.NL

<https://atacrossroads.nl/free-strategy-session/>

Or let's connect on LinkedIn:

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