

Data Catalogs CDQ Service Portfolio

St. Gallen, 2019

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Partner

Data Catalogs - Introduction

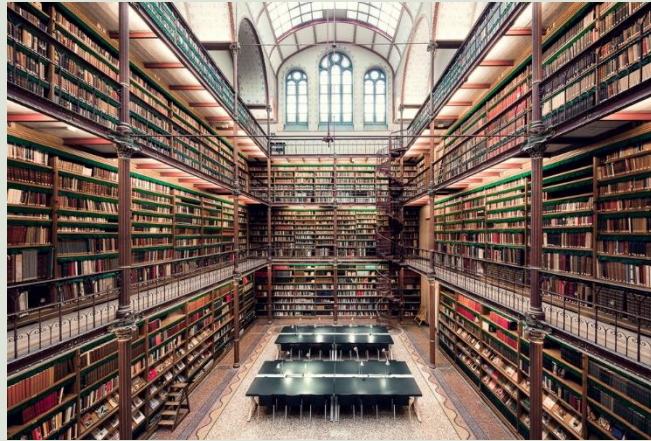
CDQ Market Study on Data Catalogs

CDQ Consulting Services

About CDQ

ORGANISATION

DATA SHARING CULTURE



“Data democratization means that **everybody has access to data** and there are no gatekeepers that create a bottleneck at the gateway to the data.”¹



Sharing data is a data citizen's **key responsibility** and provides benefits through additional uses of the data in other areas of the company.

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Typical questions from data users:

- Where can I find data?
- Who owns them?
- Who maintains them?
- Who can help me explain them?
- How good are they?
- Are they still up-to-date?

Business goals to be achieved with a data catalog



Identify and find data



Establish a solid data governance foundation



Raise data awareness



Increase transparency



Control and develop data models



Document existing data

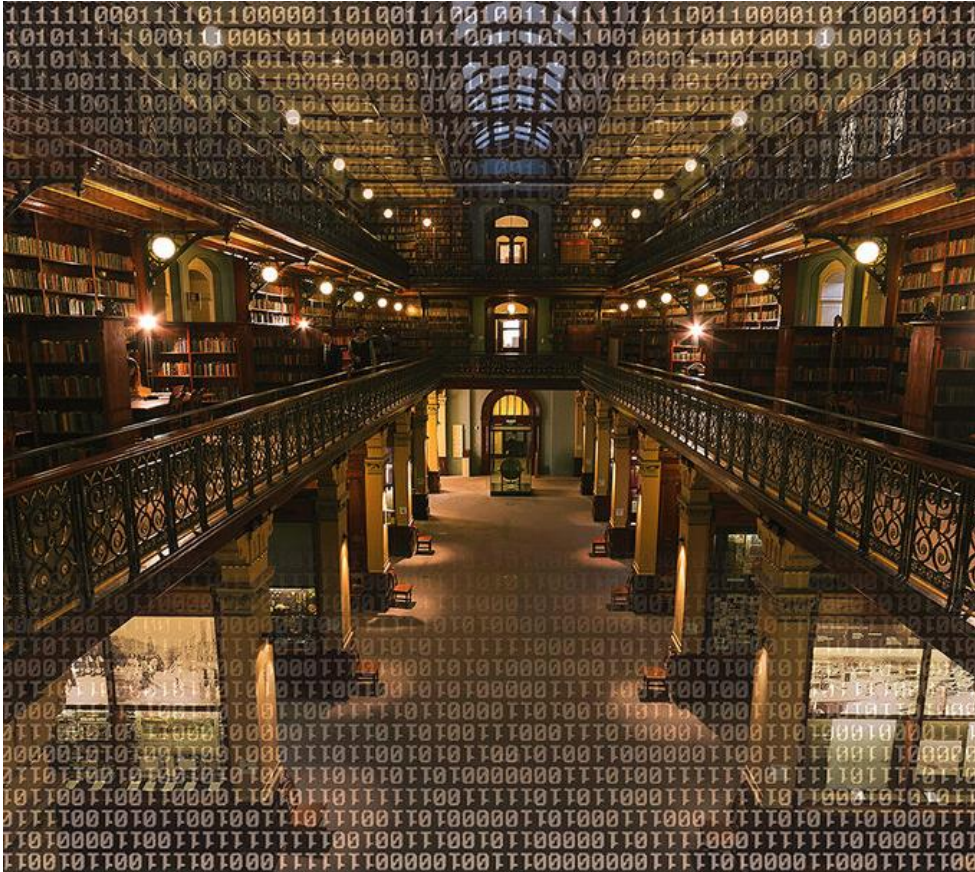


Maintain a single point of truth



Picture: unsplash.com

The data catalog links data supply and demand



»A Data Catalog is an integrated platform for data curation; matching data supply and demand. It offers users functions to register data; to retrieve and use data; and to assess and analyze data.«

The need for a data catalog



That's Steve

- Steve used to work as a data scientist for several years
- He **spends up to 80%** of his time hunting for the relevant datasets and prepare them for analytic projects
- **Only 20%** of his costly time is used for **data consuming**, e.g. gain new insights



Data Search & Preparation

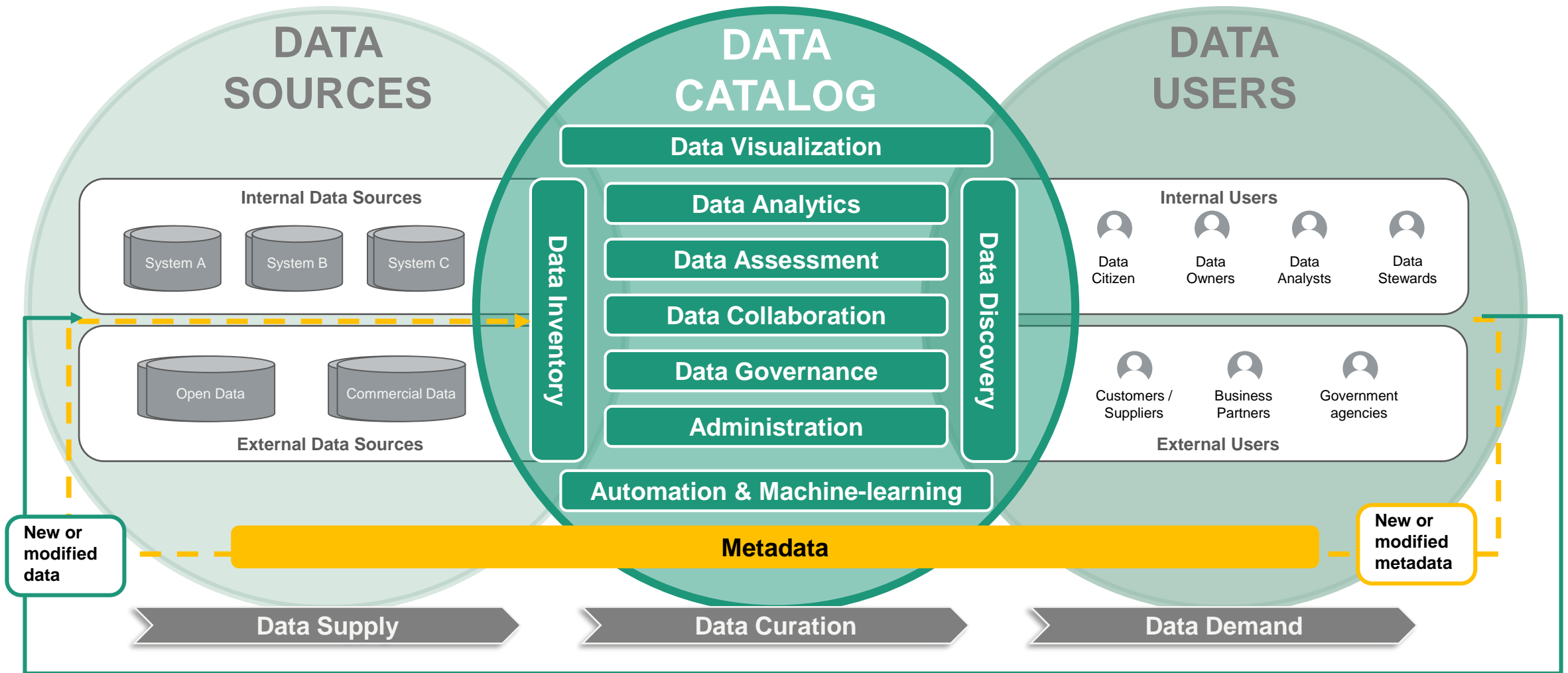


Data Consuming

Typical roles and user groups



The data catalog links data supply and demand



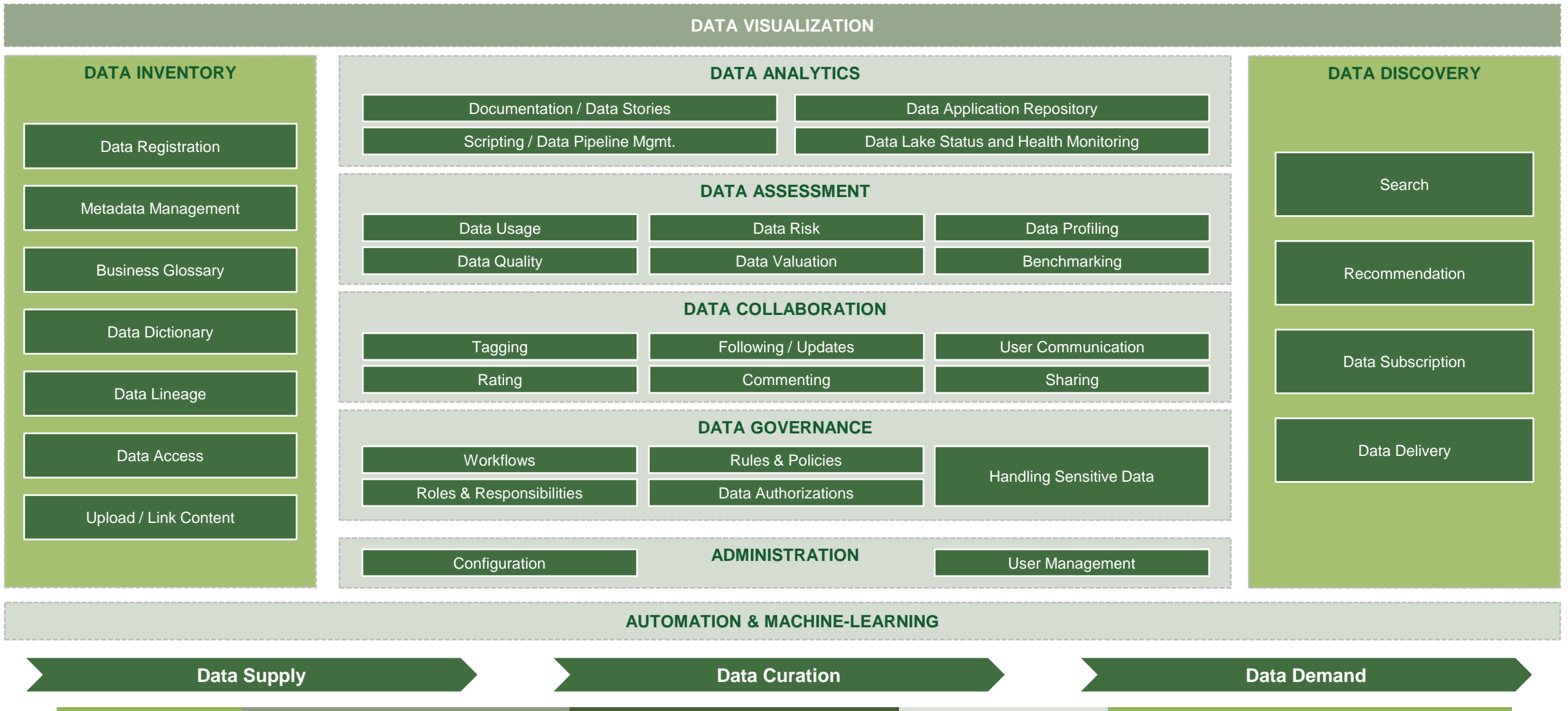
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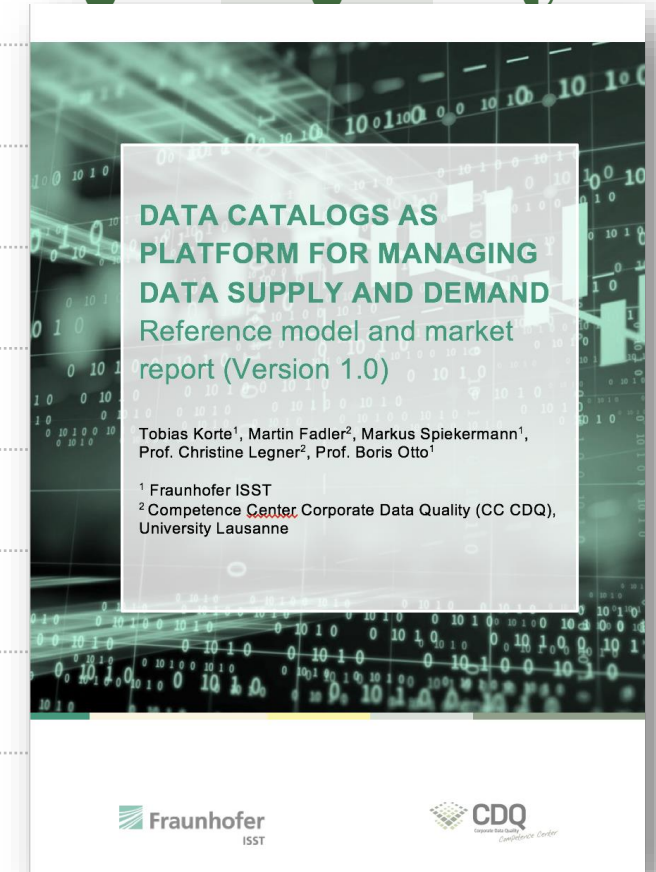
About CDQ

The market study evaluates data catalogs along the CDQ capability maps



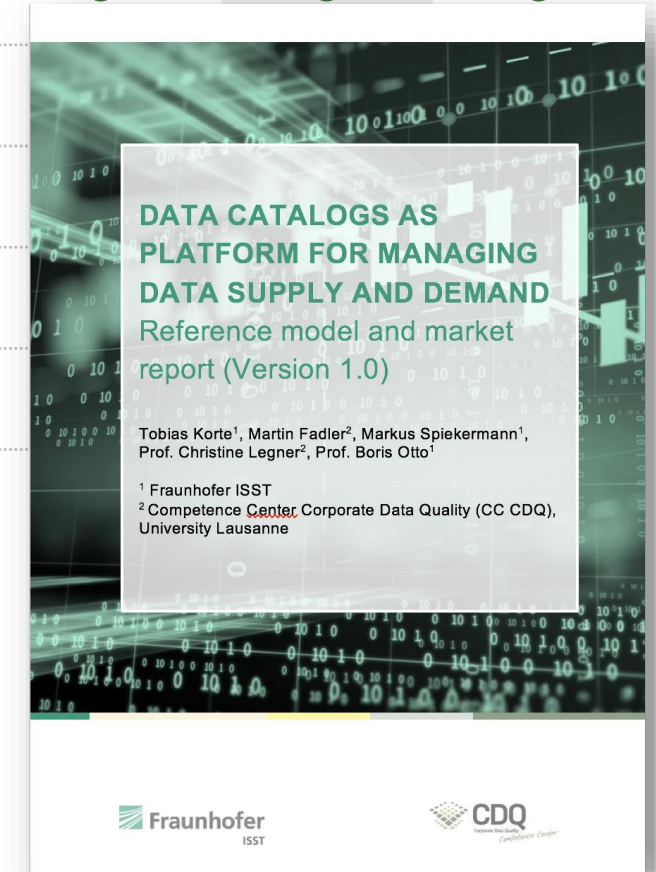
Market study: Data Catalogues

Product	DATA INVENTORY	DATA ANALYTICS	DATA COLLABORATION	DATA ASSESSMENT	DATA GOVERNANCE	DATA DISCOVERY	DATA VISUALIZATION	AUTOMATION & ML
Adaptive Metadata Manager™	●	○	●	◐	◐	◐	●	◐
Alation Data Catalog	●	●	◐	◐	●			
Cambridge Semantics Anzo® Smart Data Lake 4.0	●	●	◐	◐	◐			
Collibra Data Governance Center	●	◐	●	◐	●			
Datum Information Value Management®	●	○	◐	◐	◐			
IBM Watson® Knowledge Catalog	●	◐	◐	◐	◐			
IBM InfoSphere IGC	●	○	○	◐	●			
Informatica Enterprise Data Catalog	●	◐	◐	◐	●			
Informatica Axon Data Governance	◐	◐	○	◐	●			



Market study Data Catalogues

Product	DATA INVENTORY	DATA ANALYTICS	DATA COLLABORATION	DATA ASSESSMENT	DATA GOVERNANCE	DATA DISCOVERY	DATA VISUALIZATION	AUTOMATION & ML
Oracle Enterprise Metadata Mgmt.	●	○	◐	○	◐	◐	●	◐
Podium Data Market Place	●	◐	◐	◐	●			
SAP Information Steward	◐	○	○	◐	●			
SAP Data Hub	◐	◐	○	◐	◐			
Waterline Smart Data Catalog	●	◐	◐	◐	●			
Zaloni Data Management Platform	●	◐	●	◐	●			



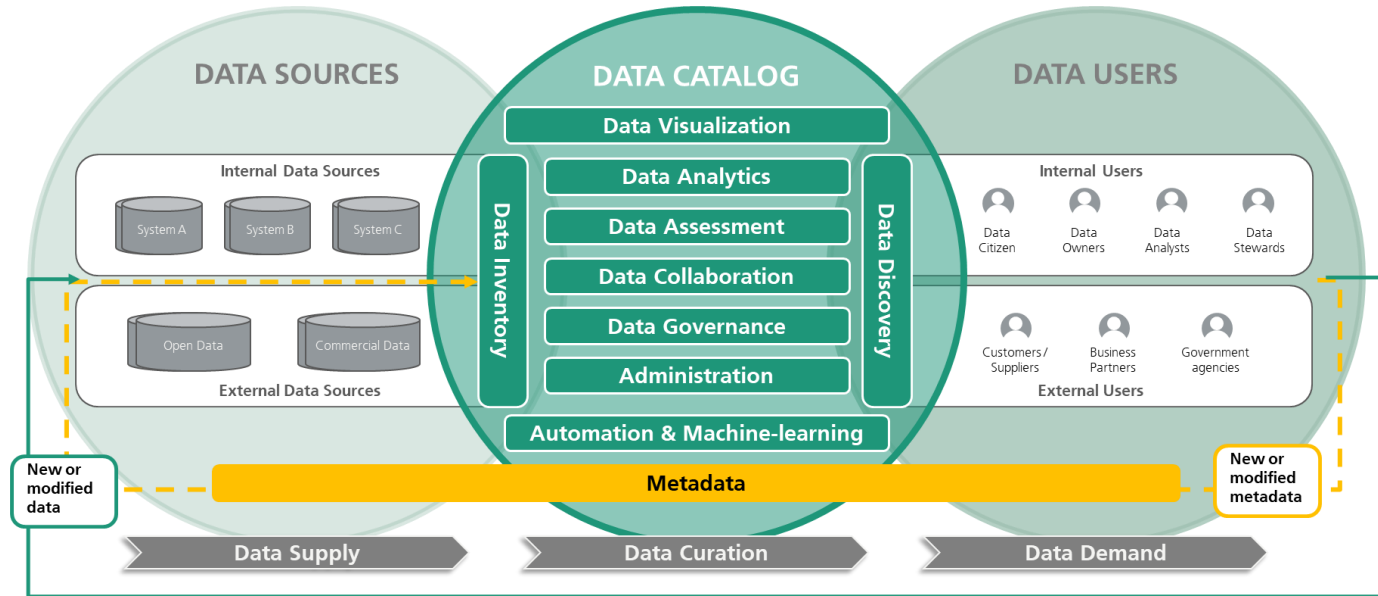
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About CDQ

A data catalog implementation must ensure to deliver immediate business value



- Provide segment-specific business value.
- Serve multiple “customer segments” with different goals.
- Quickly achieve critical mass (content, user base).



Build the data catalogue along clearly defined business cases

CDQ supports in all phases of a data catalog implementation



Identification of business and data management goals

Definition of required data catalog capabilities

Development of data catalog strategy

Concept

Metamodel design

Definition of operating model

Tool Selection

Design

Business value assurance

Tool implementation (e.g. Collibra, Semantic Wiki)

Conceptual and logical data modeling

Implementation of governance workflows

Development of data quality rules and dashboards

Implementation

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About CDQ

A background image showing three business professionals in a modern office setting. Two men are seated in the foreground, facing away from the camera, while a woman stands behind them, holding a tablet. The scene is dimly lit with natural light from a window in the background.

CDQ IS THE LEADING DATA MANAGEMENT CONSULTANCY IN THE INDUSTRY

CDQ AG

Sharing Data Excellence

Community services: We host the most mature community for data management in Europe, drive innovation in research and practice and train CDOs, data managers and data scientists.

Consulting services: We successfully completed more than 200 data management projects on strategy, governance and architecture.

Cloud services: We offer cutting-edge business data services (e.g. data health checks, GDPR assessments, address validations and enrichments).

We started as a spin-off from the University of St. Gallen



2006

Creation of the **Competence Center Corporate Data Quality** at the University of St. Gallen

Founding partners are Bayer, Daimler, Deutsche Telekom and IBM

2009

Integration of CDQ's **data quality mgmt. approach** into **EFQM standard** (European Foundation for Quality Mgmt.)

2011

Competence Center Corporate Data Quality grows to **over 10 members**

2013

Foundation of the **CDQ Academy** to train future data managers
Initiation of **CDQ Good Practice Award**

2015

Start of the **Corporate Data League** (Collaborative Business Partner Management)

2016

Competence Center Corporate Data Quality grows to **over 15 active members**

CDQ's data management consulting services deliver impact and create business value



Business Impact

We enable digitization initiatives, improve business process efficiency and reduce compliance risks through effective data management.



Data Impact

We clean up, de-duplicate and enrich your business partner data based on our cutting-edge data quality services.



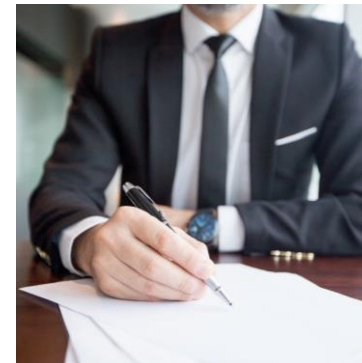
People Impact

We train the next generation of Chief Data Officers and Data Managers based on CDQ's Data Excellence Framework.



Knowledge Impact

We run a network of firms that exchange data management best practices and drive innovation together with the University of Lausanne.



Our sole focus on data management makes us unique in the market



Data Management Strategy

If your data needs to support digital initiatives, process efficiency or regulatory compliance, CDQ helps you define the right data management strategy to support your business goals.



Operating Model

If you want to define or optimize your operating model for data mgmt., CDQ can design the required processes, define central and decentral responsibilities and determine an optimal cost structure.



Data Quality Management

If poor data quality limits your analytics' ambition or creates unnecessary costs and risks in your business processes, CDQ can help you define the right data quality mgmt. approach and support data cleansing.



Data Governance

If your data creation and maintenance activities produce inconsistent data of poor quality, CDQ supports the definition of guidelines to govern your data effectively across organizational units and systems.



Data Architecture & Tools

If you need to design or optimize the data flows across your IT-systems (e.g. CRM, ERP, MDM), CDQ develops the required data models and lifecycles to ensure that you have the right data in the right place.



Business Data Services

If you want to identify duplicates in your business partner data, validate postal addresses or enrich geo coordinates, CDQ can help you cleanse and enrich your data based on our state-of-the-art data quality services.

CDQ's state-of-the-art knowledge base in data management is the foundation for our impact advisory

Data Managers Trained



400+

Company Case Studies



300+

Consulting Projects



200+

Maturity Assessments



80

CC CDQ Workshops



60+

Scientific Publications



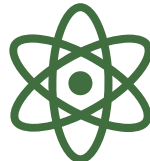
60

CDQ Employees



40+

PhD Dissertations



12

Research Projects



7

Companies are trusting CDQ for years



"As a trustful and reliable partner, CDQ did an excellent job to support the development and establishing our master data management strategy."

**Roger Kipfer, Head of Data Quality Management
Swisscom**



"CDQ has supported us with excellent expertise to build up our Global Master Data Management organization. We also appreciate the active exchange at the Competence Center."

**Timo Neumann, Head of Master Data Governance
ZF Friedrichshafen**



"CDQ helped us to set up data quality management in our organization. They have exceeded our expectations."

**Ben Hallez, Head Center of Excellence for
Master and Meta Data Management
Bayer HealthCare**



We are looking forward to hearing from you!



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