

 SYNABI

# DATA MANAGEMENT JOURNEY

The path to successful Data Management

with  D-QUANTUM





## Understand data, unlock data insights.

We centralise business data know-how on a single platform and combine it with automated generated metadata. This is the basis to understand your data and unlock data insights.

You can choose between pre-defined solutions or an individual consulting approach. We have summarised the most important solutions for you on the Data Management Journey.



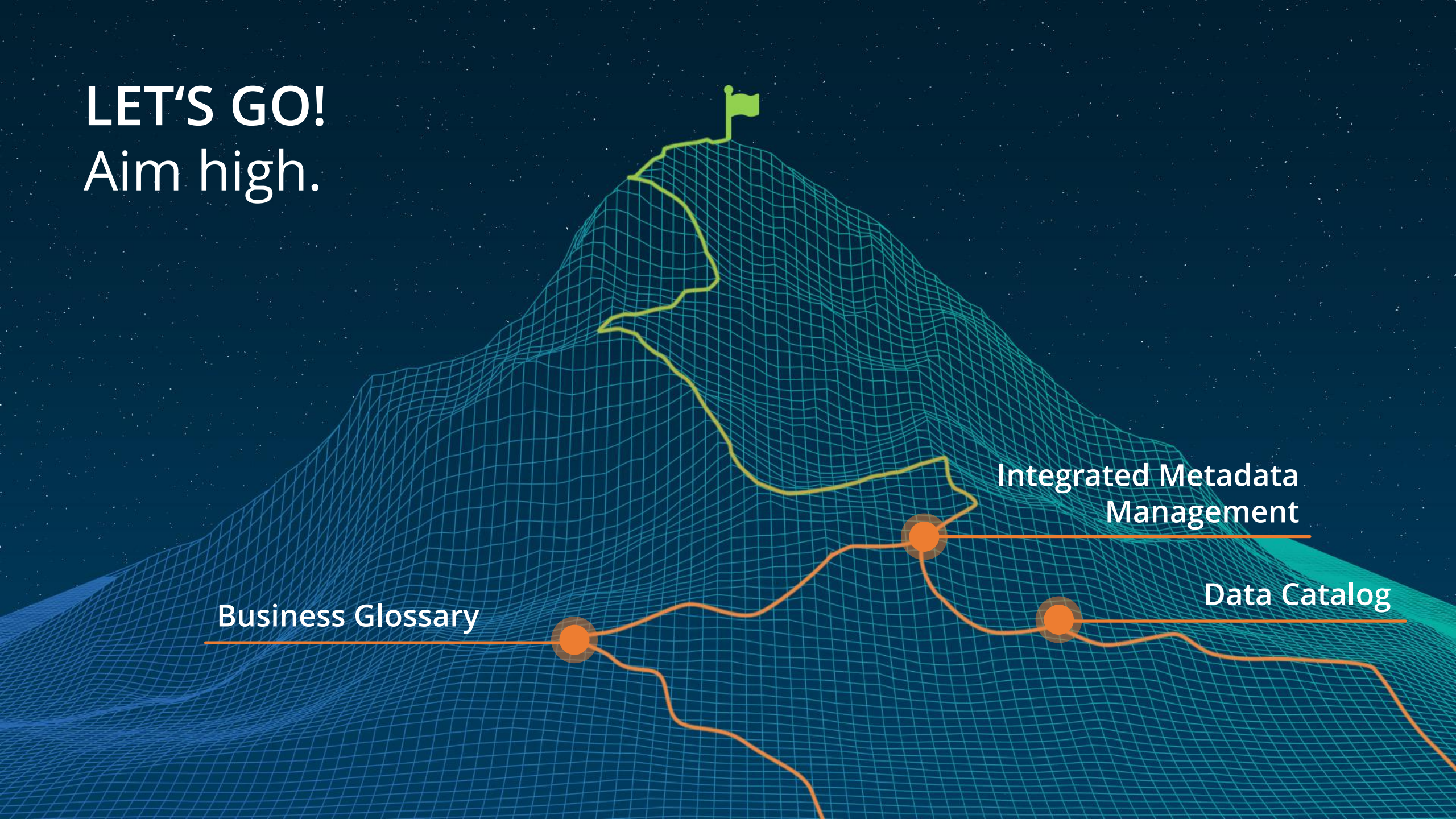


LET'S GO!  
Aim high.

Business Glossary

Integrated Metadata  
Management

Data Catalog







# Business Glossary

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In the D-QUANTUM Business Glossary, the entire **business knowledge** of a company, such as terms, business objects, key figures, reports, etc., is gathered in a central location, defined and brought into a uniform context. The **terminologies are categorised** and assigned to the responsible persons.



# Do you also ask yourself these questions?

## The answers are provided in the following slides!

01

What data is available in my company and how is it used?

---

02

How are key figures calculated and in which reports are they implemented?

---

03

How is my data linked with each other in a business lineage and what business logic underlies this linkage?

---

04

How do changes to my data affect the data landscape?

---

05

Who is responsible for data in my company? In which departments do the specialist competences lie?

---

06

How can I determine the impact of data quality problems?

---

# Added value Business Glossary



## Consistent definitions

- create better understanding of terms
- increases data literacy
- centrally available

The screenshot shows the D-QUANTUM Business Glossary interface. The main content area displays the details for 'Risk Weighted Assets (RWA)'. The interface includes a navigation menu on the left, a search bar at the top, and a table of properties.

Eigenschaft	Wert
Id	1945
Name	Risk Weighted Assets (RWA)
Synonyme	Risikogewichtete Aktiva, RWA
Beschreibung	<p>Summe der RWA aller Risikoarten.</p> <p>Risk-weighted asset (also referred to as RWA) is a bank's assets or off-balance-sheet exposures, weighted according to risk.</p> <p>Berechnung: <math>K * 12,5 * EAD</math></p>
Link zur weiterführenden Dokumentation	<p>en: <a href="https://en.wikipedia.org/wiki/Advanced_IRB">https://en.wikipedia.org/wiki/Advanced_IRB</a></p> <p>de: <a href="https://de.wikipedia.org/wiki/Mindesteigenkapitalanforderungen_für_Kreditrisiken">https://de.wikipedia.org/wiki/Mindesteigenkapitalanforderungen_für_Kreditrisiken</a></p>
geprüft am	28.04.2021



Business Glossary



Data Catalog



Integrated Metadata Management



Data Contracting



Data Quality Management



Data Request Management

# Added value Business Glossary



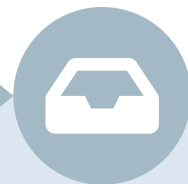
## Intuitive search

- within seconds
- provides responsibilities and definitions at a glance
- contains information on data quality
- full text search and pre-filtering possible

The screenshot shows the D-QUANTUM search interface. At the top, there is a search bar with 'RWA' entered. Below the search bar, there are filters for 'Ganzer Inhalt', 'Archiviert', 'Status: Alle', 'Vordefinierte Suche', and 'Entity Types (32/42)'. The search results are displayed in a list on the left, with 'Risk Weighted Assets (RWA)' selected. The right pane shows the details for this entity, including its ID (1945), name, synonyms, description, and calculation formula:  $K * 12,5 * EAD$ . The description states: 'Risk-weighted asset (also referred to as RWA) is a bank's assets or off-balance-sheet exposures, weighted according to risk.'



Business Glossary



Data Catalog



Integrated Metadata  
Management



Data Contracting



Data Quality  
Management



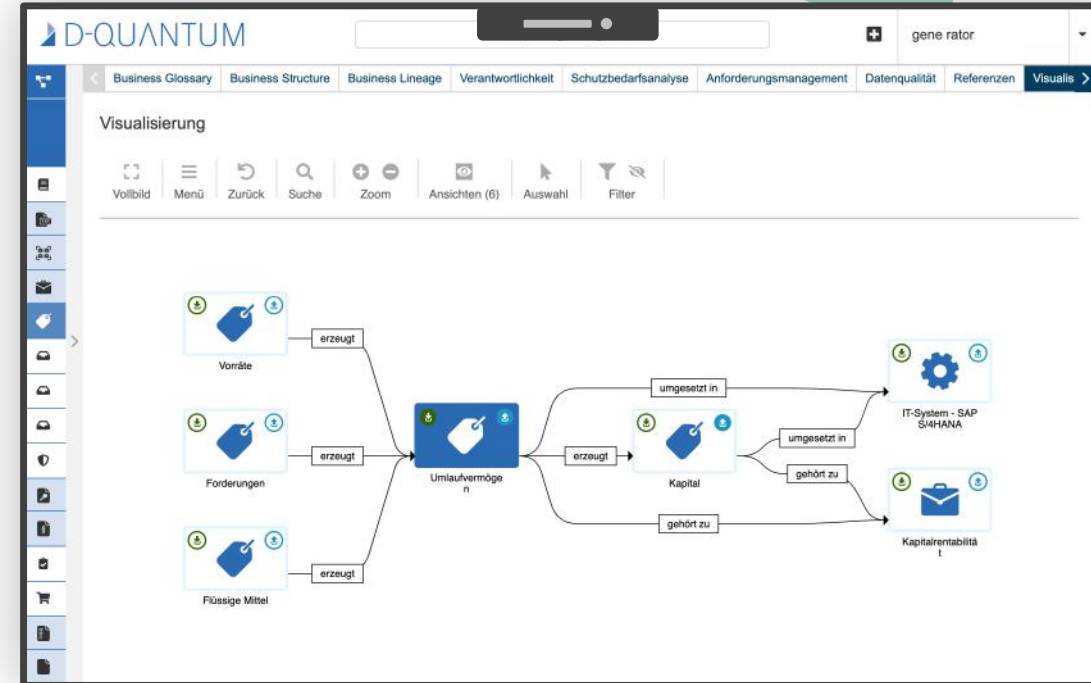
Data Request  
Management

# Added value Business Glossary

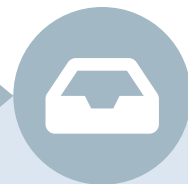


## Clear visualisations

- relations visualised by graphs
- help to understand complex correlations through key figure systems and hierarchical dependencies of business data
- predefined views enable different views of correlations



Business Glossary



Data Catalog



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Data Quality  
Management



Data Request  
Management



# Added value Business Glossary

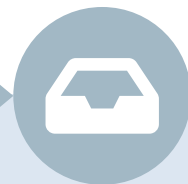


## Workflows & easy data maintenance

- integrated workflows ensure metadata quality using approval processes with clear responsibilities
- intuitive data input mask
- clone and copy records
- mass editing of multiple data sets



Business Glossary



Data Catalog



Integrated Metadata  
Management



Data Contracting



Data Quality  
Management



Data Request  
Management

# Added value Business Glossary



## User Management with data responsibilities

- managed through the D-QUANTUM role-based authorisation
- privileges define reading or editing access per role
- changes are fully historicised

The screenshot shows the D-QUANTUM user management interface. The left sidebar contains navigation options: Admin Startseite, Benutzerverwaltung, Benutzer, Rollen (selected), Privilegien, Content Management System, Bereiche, Seitenleiste, Übersichtsseiten, Weitere, Geplante Aufgaben, Inhaltsindizierung, Import / Export, Mail Server, Lizenz, and Logging. The main content area displays a table of roles with columns for Name, Beschreibung, Privilegien, Benutzer, and Aktionen.

<input type="checkbox"/>	Name ↑	Beschreibung	Privilegien	Benutzer	Aktionen
<input type="checkbox"/>	Betrieb	Der Betrieb umfasst die Zuständigkeit für technische Funktionalitäten v...	47	0	
<input type="checkbox"/>	Chief Data Officer	Chief Data Officer ist Hauptverantwortlicher für das Thema Data Gover...	65	1	
<input type="checkbox"/>	Consumer	Data Consumer ist Datenkonsument und hat Leserechte.	7	1	
<input type="checkbox"/>	Data Custodian	Data Custodian ist umsetzungsverantwortlich in der Implementierung v...	171	1	
<input type="checkbox"/>	Data Officer	Mitarbeiter der zentralen Einheit / Data Governance Beauftragte, der fü...	184	0	
<input type="checkbox"/>	Data Owner	Der Data Owner ist für die Metadatenpflege ihm zugewiesener Entität...	169	3	
<input type="checkbox"/>	Data Steward	Data Steward ist verantwortlich für das Datenmanagement eines Berei...	130	4	
<input type="checkbox"/>	Datenarchitektur	Architektur Gremium wird bei architekturellen Änderungen in den Entsc...	7	0	
<input type="checkbox"/>	Datenschutz	Datenschutz Gremium wird bei Änderungen, die eine Datenschutz-Prüf...	7	0	
<input type="checkbox"/>	Product Owner	Der Product Owner ist für die Metadatenpflege ihm zugewiesener Entit...	164	1	
<input type="checkbox"/>	Prüfer	Unternehmensinterne Prüfer oder Aufsicht / externe Wirtschaftsprüfer	4	0	
<input type="checkbox"/>	Superuser		485	2	



Business Glossary



Data Catalog



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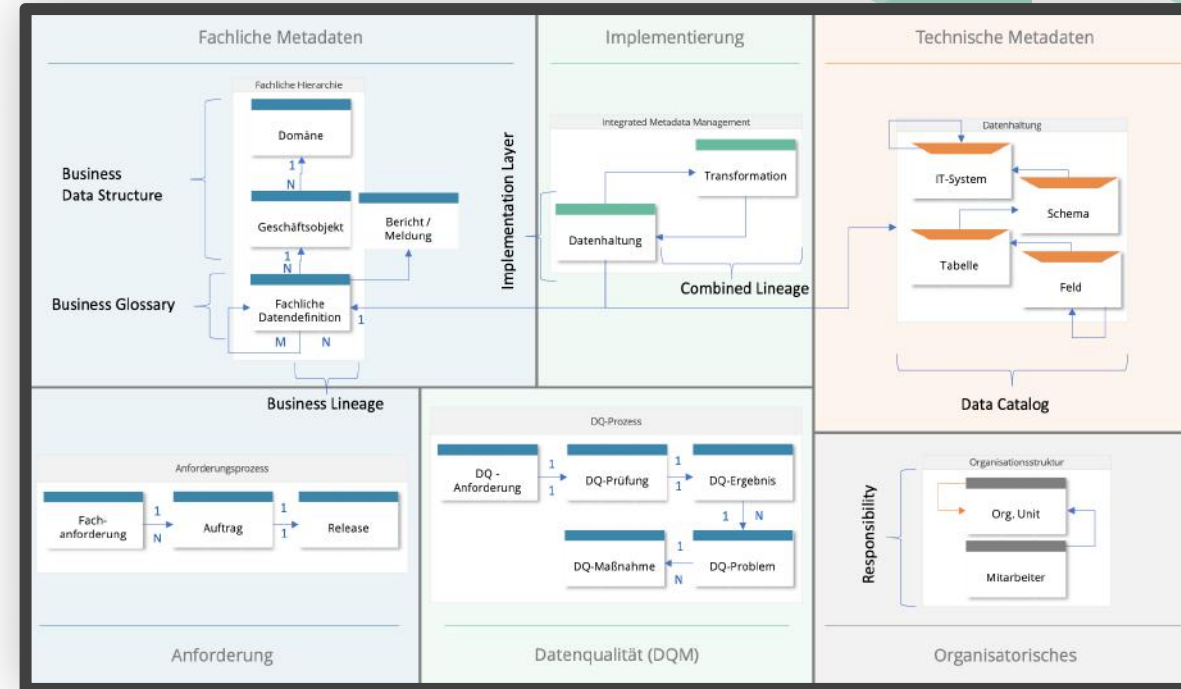
Data Request  
Management

# Added value Business Glossary



## Flexible metamodel

- individually suited to the customer data strategy
- use predefined or implement existing metamodel



Business Glossary



Data Catalog



Integrated Metadata Management



Data Contracting



Data Quality Management



Data Request Management

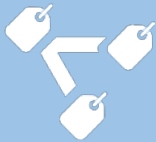


# Business hierarchies and key figure systems in detail



## Business hierarchies – which dependencies exist between data?

All data elements in the Business Glossary are structured hierarchically. This means that data definitions are assigned to business objects and these in turn to higher-level domains. This facilitates the business understanding and offers individual filtering options.



## Key figure systems – how are key figures defined and where are they used?

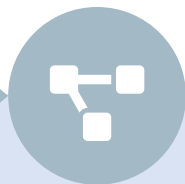
The key figure systems describe the visualisation of business correlations, e.g. the composition of different key figures. Filtering, grouping and dynamic highlighting are used to create business/thematic views that are helpful in visual data analysis.



Business Glossary



Data Catalog



Integrated Metadata  
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Data Contracting



Data Quality  
Management



Data Request  
Management

 D-QUANTUM

# Business Glossary

Wie setzen sich Ihre  
*Kennzahlen* zusammen?

2 min.  
solution  
video

Business Glossary

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# Data Catalog

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We provide the map to find your way around IT-systems. D-QUANTUM, our high-performance Data Catalog, connects **data sources/technologies** in an automated way and reliably keeps metadata up-to-date. Whether **created by automation or even retroactively enriched** – as a **centralised directory of technical metadata**, the Data Catalog enables easy access to detailed information about your data systems.





# Do you also ask yourself these questions?

The answers are provided in the following slides!

01

What does my company's data landscape look like from a technical perspective?

---

02

How can I analyse data across systems and reduce my analysis times in the process?

---

03

What are central interfaces and systems of my data landscape?

---

04

How can I identify technical dependencies in my data?

---

05

How can I provide my employees with a knowhow-independent access to data structures in my company?

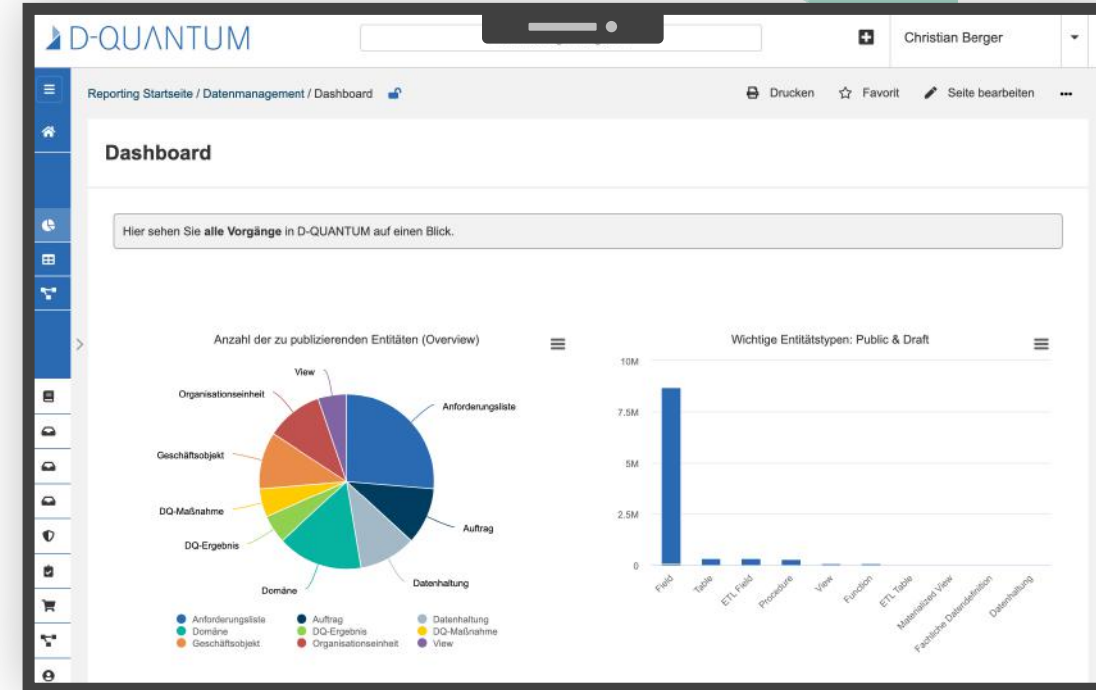
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# Added value Data Catalog

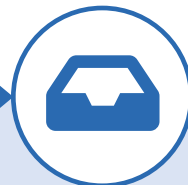


## Map for IT-systems

- overview of data inventory
- centralised directory of technical metadata
- easy access to detailed information



Business Glossary



Data Catalog



Integrated Metadata Management



Data Contracting



Data Quality Management



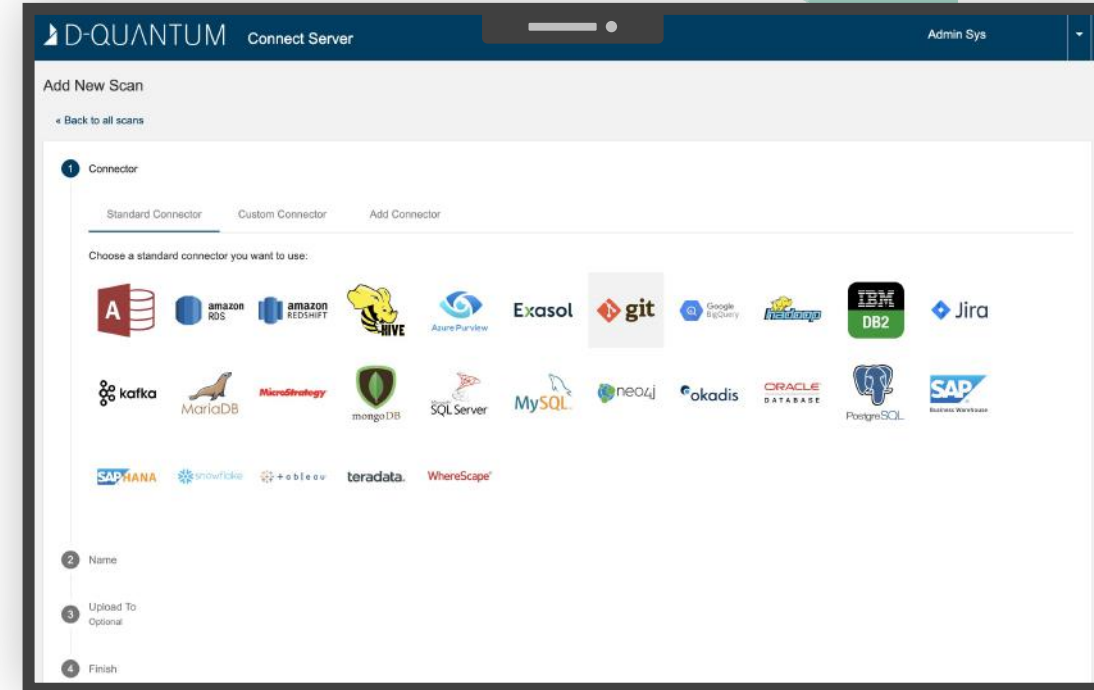
Data Request Management

# Added value Data Catalog

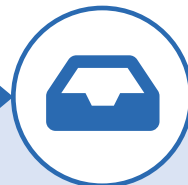


## Always up-to-date data

- ensured by automated updating using D-QUANTUM Connect, our framework for connecting data sources
- D-QUANTUM Connect impresses with simplicity and rapid implementation
- connected data can be enriched with information later on



Business Glossary



Data Catalog



Integrated Metadata  
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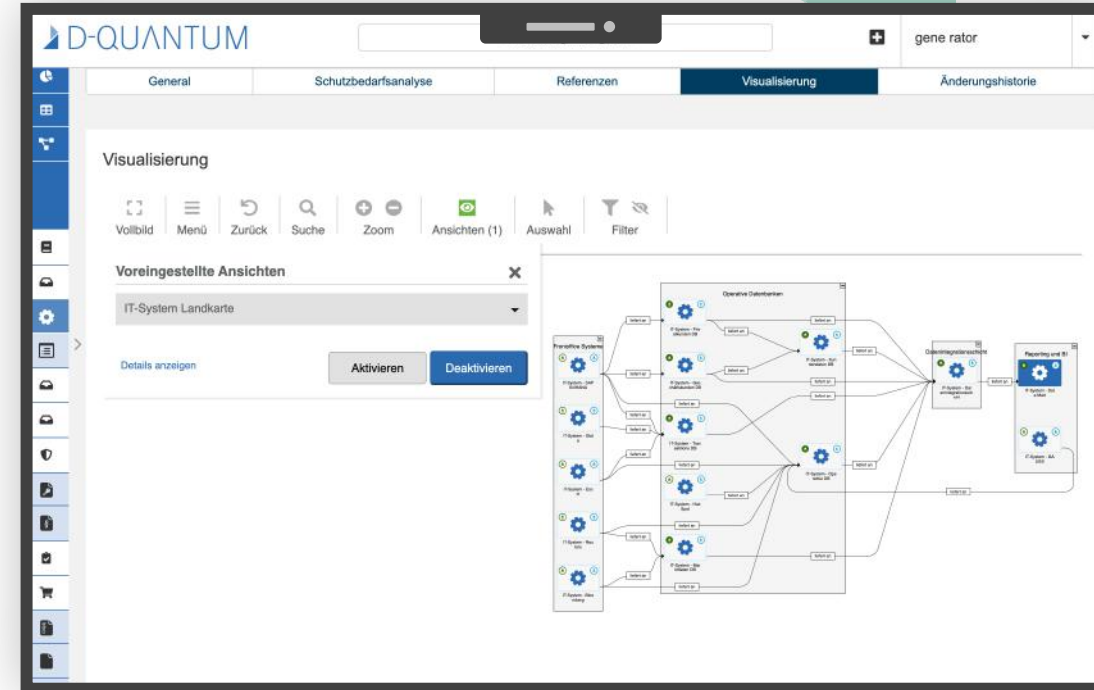


# Added value Data Catalog

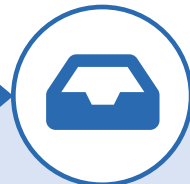


## Clear visualisations

- relations visualised by graphs
- help to easily understand complex dependencies and data lineages
- predefined views enable different views of correlations



Business Glossary



Data Catalog



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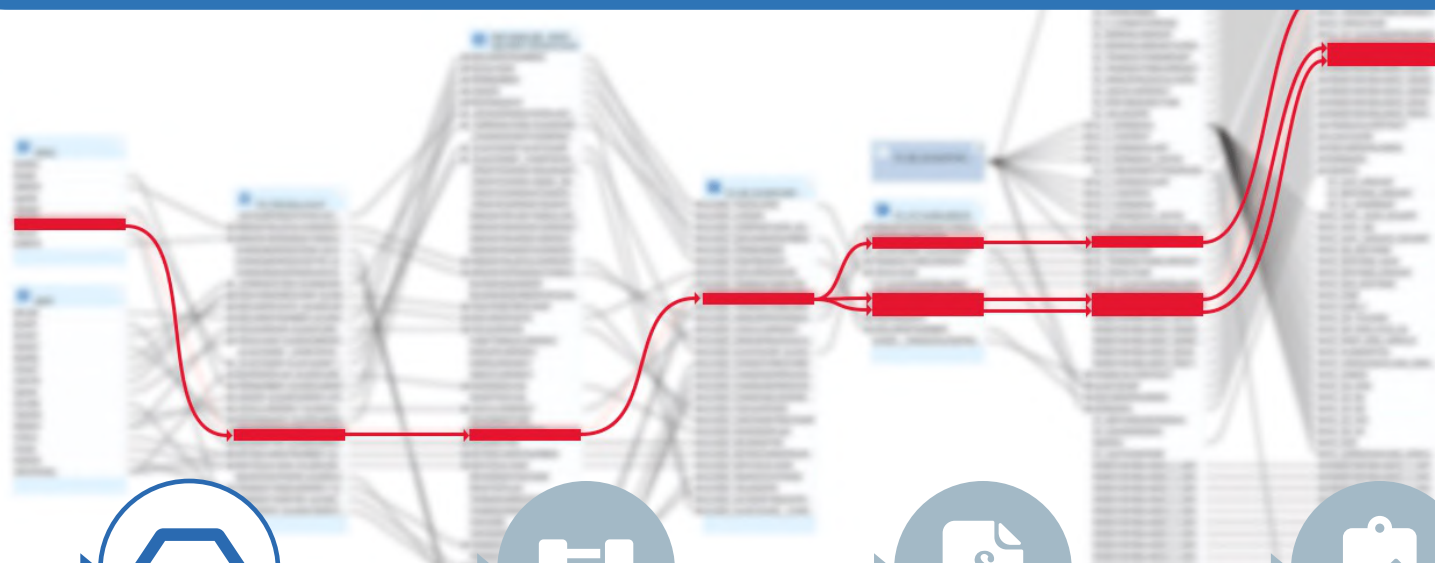
Data Request  
Management

# Data lineages and data flows in detail

## Visualise data flows across technologies!



With the Data Lineage, D-QUANTUM offers the possibility to show data movements in source systems on object or column level. It is used for a variety of data analyses (root cause/impact analyses).



Business Glossary



Data Catalog



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 D-QUANTUM

# Data Catalog

Wie prüft man die *Auswirkungen*  
des Löschens einer Tabellenspalte?

3 min.  
solution  
video

Data Catalog

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# D-QUANTUM Connects your technologies

Select connector, scan inventory and upload to D-QUANTUM



## Lightweight

Read access, no installation in the source system

---



## Multi-Connectivity

Connection via standard or custom connectors

---



## Simplicity

simplified processing of the data to be connected

---



## Up-to-date

automated updating of the data inventory

---

Do you need a custom connector? Get in touch with us!





3 min.  
feature  
video

D-QUANTUM Connect



# Integrated Metadata Management

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D-QUANTUM **combines business metadata from the Business Glossary** with the **technical data objects created by automation in the Data Catalog**. This enables easy access to the technical data world. Responsibilities, data processing procedures and further information can thereby be recorded and visualised for the traceability of the technical realisation of business key figures.





# Do you also ask yourself these questions?

The answers are provided in the following slides!

01 How is my business-defined data technically implemented? (Tables, views, schemas, IT systems)

---

02 Who is responsible for the technical implementation of my data?

---

03 From which source systems does my data originate?

---

04 How can I evaluate the business data flow in the context of the used IT systems?

---

05 How can I find out in a lineage where data is transported to, where data is transformed and which factual information my data is based on?

---



# Added value Integrated Metadata Management



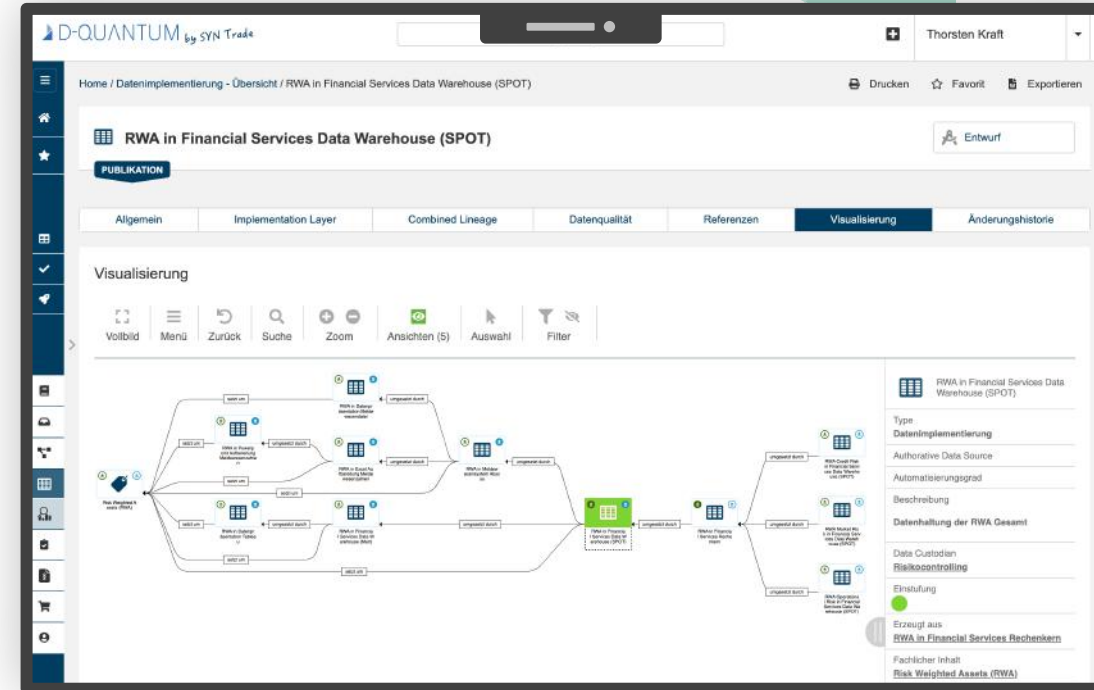
## Clear data flow of business metadata into technical systems

Analyse in detail, down to column level, in which systems business data is stored, processed and transformed.



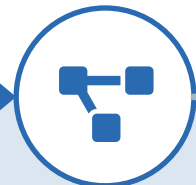
## Recognise redundancies

Data flows make redundancies in the data architecture visible.



Business Glossary

Data Catalog



Integrated Metadata Management



Data Contracting



Data Quality Management



Data Request Management



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# Added value Integrated Metadata Management

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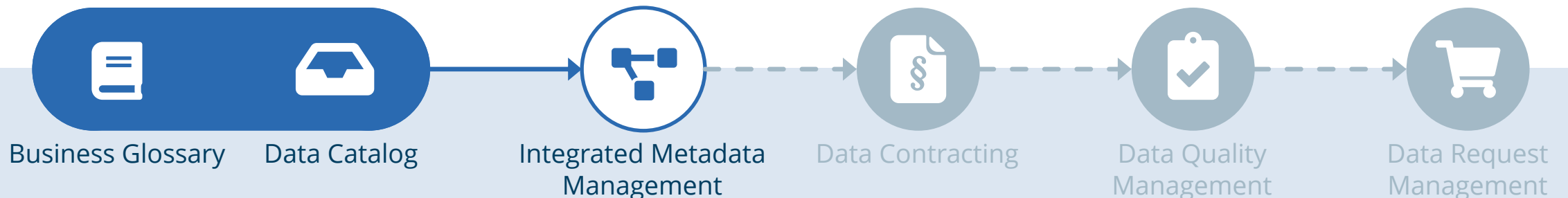
## Granularity change between business and technical lineage

One click is all it takes to read comprehensive information on data implementation and avoid time-consuming coordinations - even for non-technical users.



## Basis for Data Quality, Data Request Management und Data Contracting

The prerequisite for enriching your data management with additional solutions and further developing your platform.



 D-QUANTUM

# Integrated Metadata Management

2 min.  
solution  
video

Integrated Metadata Management

This is what  
D-QUANTUM  
can do

# Our vision:

We combine the business and technical view on metadata.

The **combination of Business Glossary and Data Catalog as Integrated Metadata Management** offers extensive possibilities to understand your data.

This is the basis on which you add other solutions, such as Data Contracting, Data Quality Management and Data Request Management.





# THE BASE CAMP.

Now let's move on!

Data Request Management

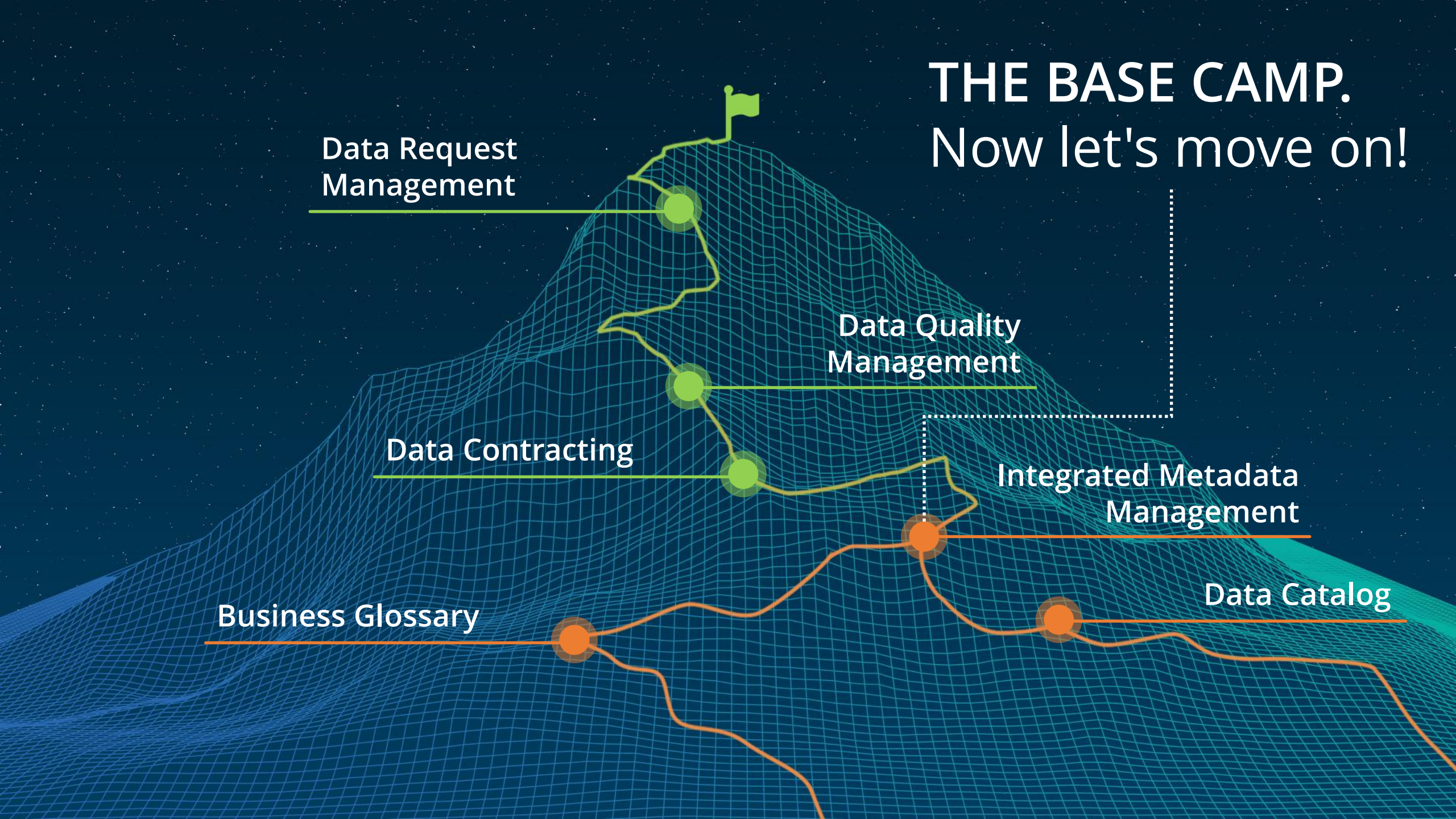
Data Quality Management

Data Contracting

Integrated Metadata Management

Business Glossary

Data Catalog







# Data Contracting

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D-QUANTUM Data Contracting is the solution for **digitally and centrally documenting agreements made within the framework of a data supply process**, e.g. data supply agreements or interface agreements. Benefit from consistent definitions, responsibilities and clear data correlations in the D-QUANTUM Data Catalog.



# Do you also ask yourself these questions?

The answers are provided in the following slides!

01 What is the contractual basis of data sharing in my company?

---

02 How can I standardise the design of data contracting in my company?

---

03 What SLAs have been agreed for my data contract?

---

04 How can I obtain the consent of all relevant stakeholders to a data supply agreement, interface agreement and requirements/functional specification?

---

05 How can central availability of data contracts be ensured?

---



# Added value Data Contracting



## Digital documentation of data delivery agreements

Contracts are created quickly, stored centrally, released transparently and fulfilled reliably



## Traceable historicization

of all changes to the documented agreement



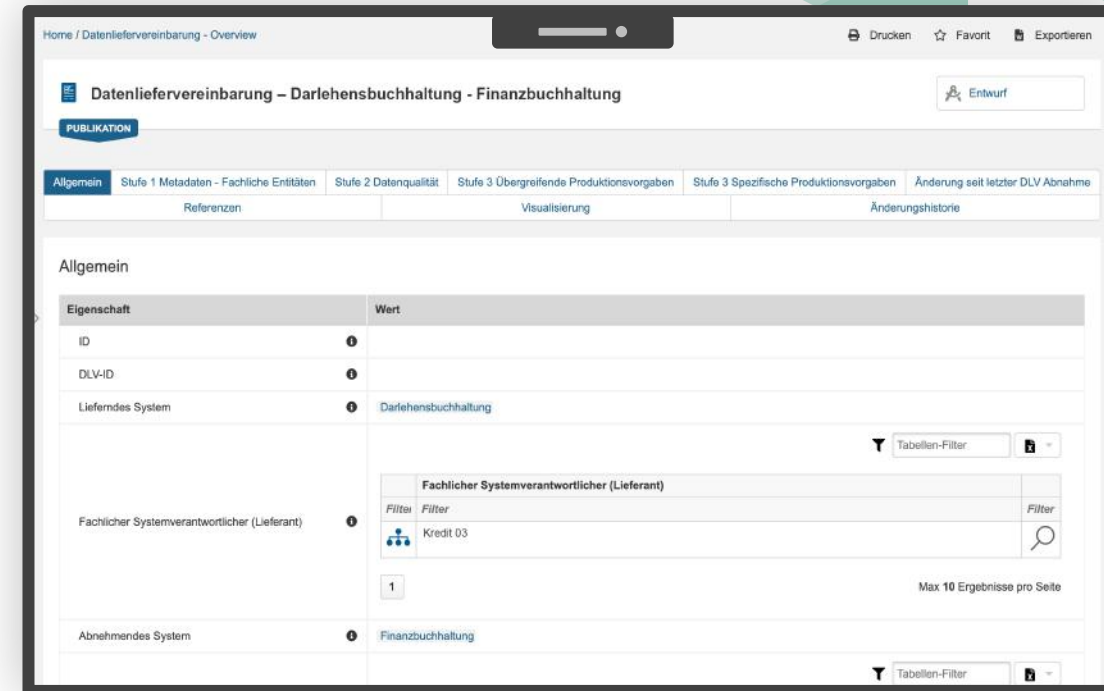
## Low documentation effort

thanks to connection to relevant data in the D-QUANTUM Business Glossary & Data Catalog

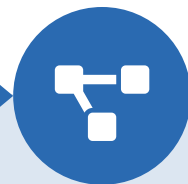


## Automation of approval processes

relevant stakeholders are integrated into the process



Business Glossary Data Catalog



Integrated Metadata Management



Data Contracting



Data Quality Management



Data Request Management



# Data Quality Management

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Do you know the quality of your data? With D-QUANTUM Data Quality Management, the **entire process of data quality assurance is included** - from the **recording of relevant requirements to the documentation of measurement results**. This is followed by the derivation of potential quality deficiencies with associated DQ measures and their implementation.



# Do you also ask yourself these questions?

The answers are provided in the following slides!

01

What quality criteria apply to my data and how are they measured?

---

02

How can a company-wide standardisation of the documentation of the DQ test be achieved in order to also fulfil regulatory requirements?

---

03

How can I view the data quality of a specific date?

---

04

How can I compare the timeliness of a date in different IT systems?

---

05

How can I tell if data quality problems exist by looking at the history of a key figure?

---

# Added value Data Quality Management



## Central recording of data quality

creates transparency about test results and uncovers inconsistencies in the data



## Use of central DQ reporting

supports the initiation of DQ measures and measurement of their impact



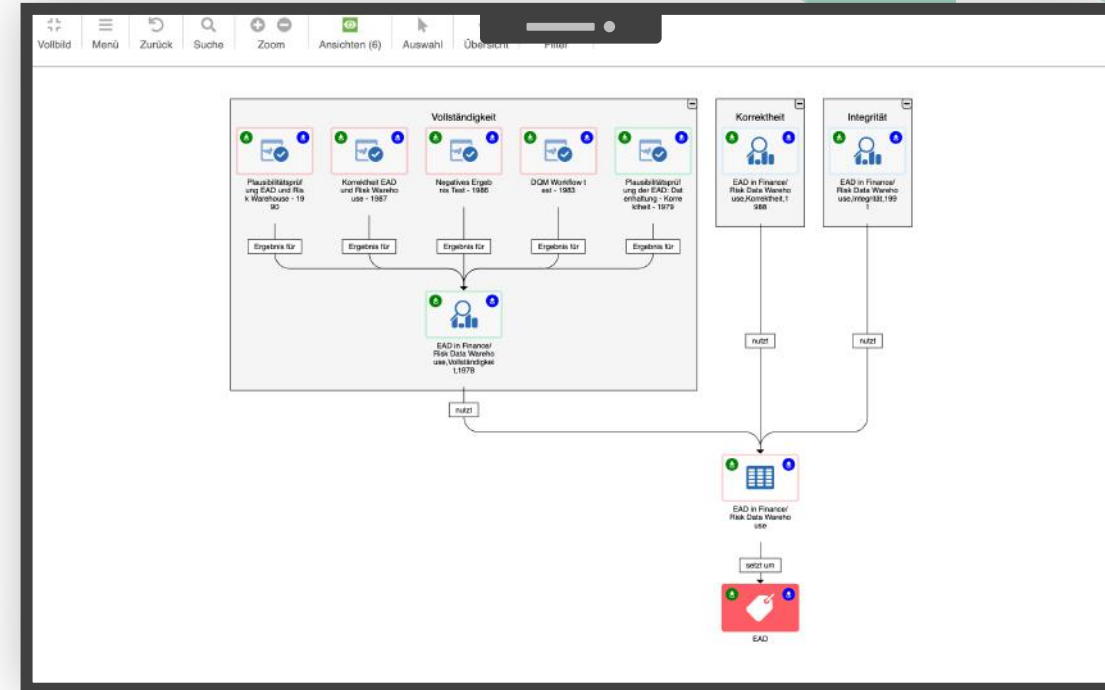
## DQ rules and responsibilities

ensure optimal evaluation and assurance of data quality

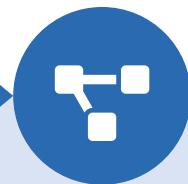


## Defined DQ standards for measuring data quality

meet regulatory requirements for data and process quality



Business Glossary Data Catalog



Integrated Metadata Management



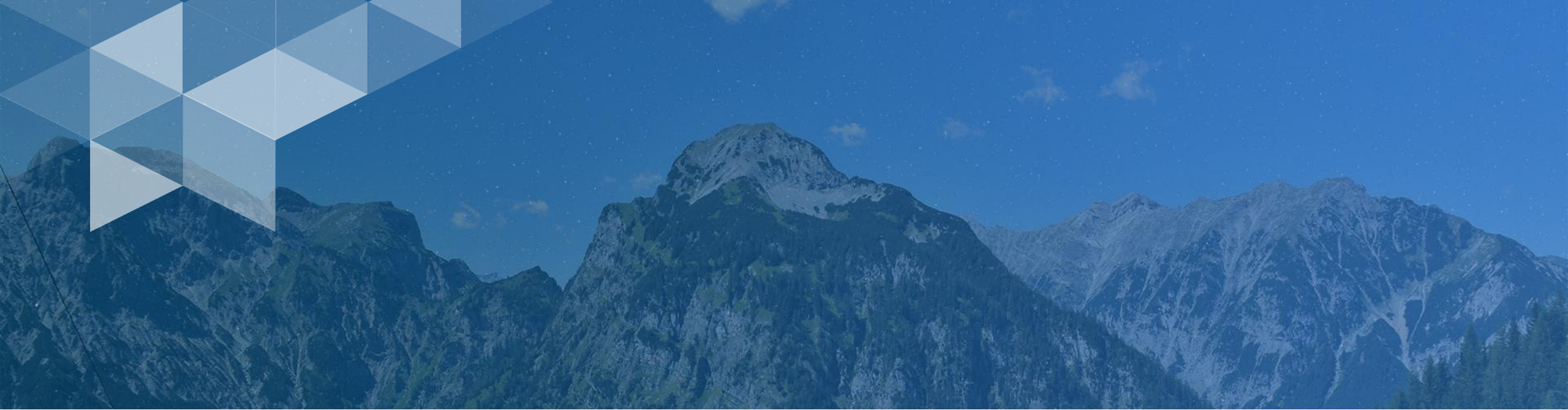
Data Contracting



Data Quality Management



Data Request Management



# Data Request Management

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Establish a **data sharing community** by **facilitating data sharing and use** within your organisation. Our D-QUANTUM Data Request Management provides a **central platform for your data request process**, promoting **transparent collaboration between requesters and suppliers** with **uniformly defined standard processes**. In this way, your data requirements are handled in a uniform process and new data products are provided centrally.



# Do you also ask yourself these questions?

The answers are provided in the following slides!

01 How can requesters identify what data they require and communicate their data needs?

---

02 How can I identify the stakeholders relevant to my order and obtain their approval?

---

03 How can a standardised process for the recording of requirements be implemented?

---

04 How do I increase the degree of utilisation and the reuse rate of the data available in the company?

---

05 How do I as a data owner know whether I can agree to a data order?

---

06 Who are my specific contacts in the context of implementing data requirements?

---



# Added value Data Request Management



## Improved availability and reuse of data

The marketplace for intuitive shopping for data opens up internal data silos



## Compliance with the specified creation and documentation processes

Defined workflows guarantee an efficient request process



## Transparent requirement topics and use of synergies across departments

efficient exchange and clear process sequences between requesters and suppliers

The screenshot displays the D-QUANTUM user interface. The top navigation bar includes the logo, a search bar, and the user name 'Christian Berger'. The main content area is titled 'Reports Anpassen' (Adjust Reports) and features a 'PUBLIKATION' button. Below this, there are tabs for 'General', 'Fachkonzept', 'Referenzen', 'Visualisierung', and 'Änderungshistorie'. The 'General' tab is active, showing a table of properties and values. A sub-section titled 'zugehörige Aufträge' (related orders) contains a table with columns for 'Auftrag', 'Umgesetzt in Release', and 'Umsetzungsverantwortlich'. The bottom of the interface shows 'Impressum | Datenschutz' and 'Max 50 Ergebnisse pro Seite'.

Eigenschaft	Wert
Id	1917
Name	Reports Anpassen
Beschreibung	Die ablaufenden Reports sollen aktualisiert werden.
gehört zu Anforderungsliste	Risiko-Anforderungsliste
Ansprechpartner	Dresner, Ulrich
Priorität	hoch

Auftrag	Umgesetzt in Release	Umsetzungsverantwortlich
Layout erstellen	Release 2	Risikomanagement
Query erstellen	Release 2	Risikomanagement



Business Glossary Data Catalog



Integrated Metadata Management



Data Contracting



Data Quality Management



Data Request Management

**GOAL ACHIEVED.**  
**Well done!**

Data Request Management

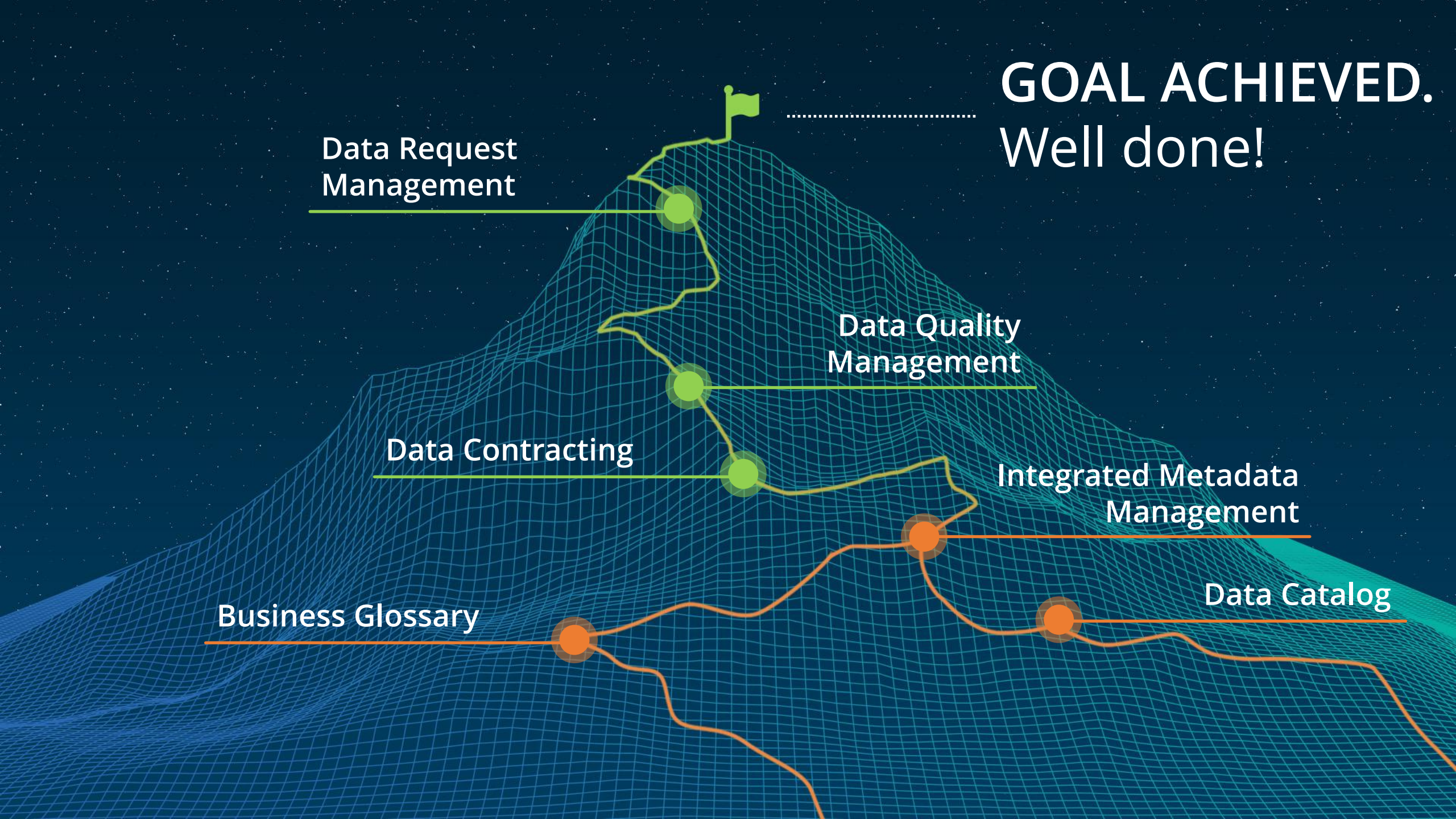
Data Quality Management

Data Contracting

Integrated Metadata Management

Business Glossary

Data Catalog





# Auszug unserer Kunden, die sich bereits auf D-QUANTUM verlassen



Simply  
click on  
the link!

# Interested?

We would be happy to schedule a non-binding [demo appointment!](#)







## Synabi Business Solutions develops the D-QUANTUM Data Catalog and supports with individual consulting along the Data Management Journey.

An experienced team thereby accompanies the customers in the development and continuous improvement of data management in order to increase the added value from the data.

**2016**

Foundation

**60+**

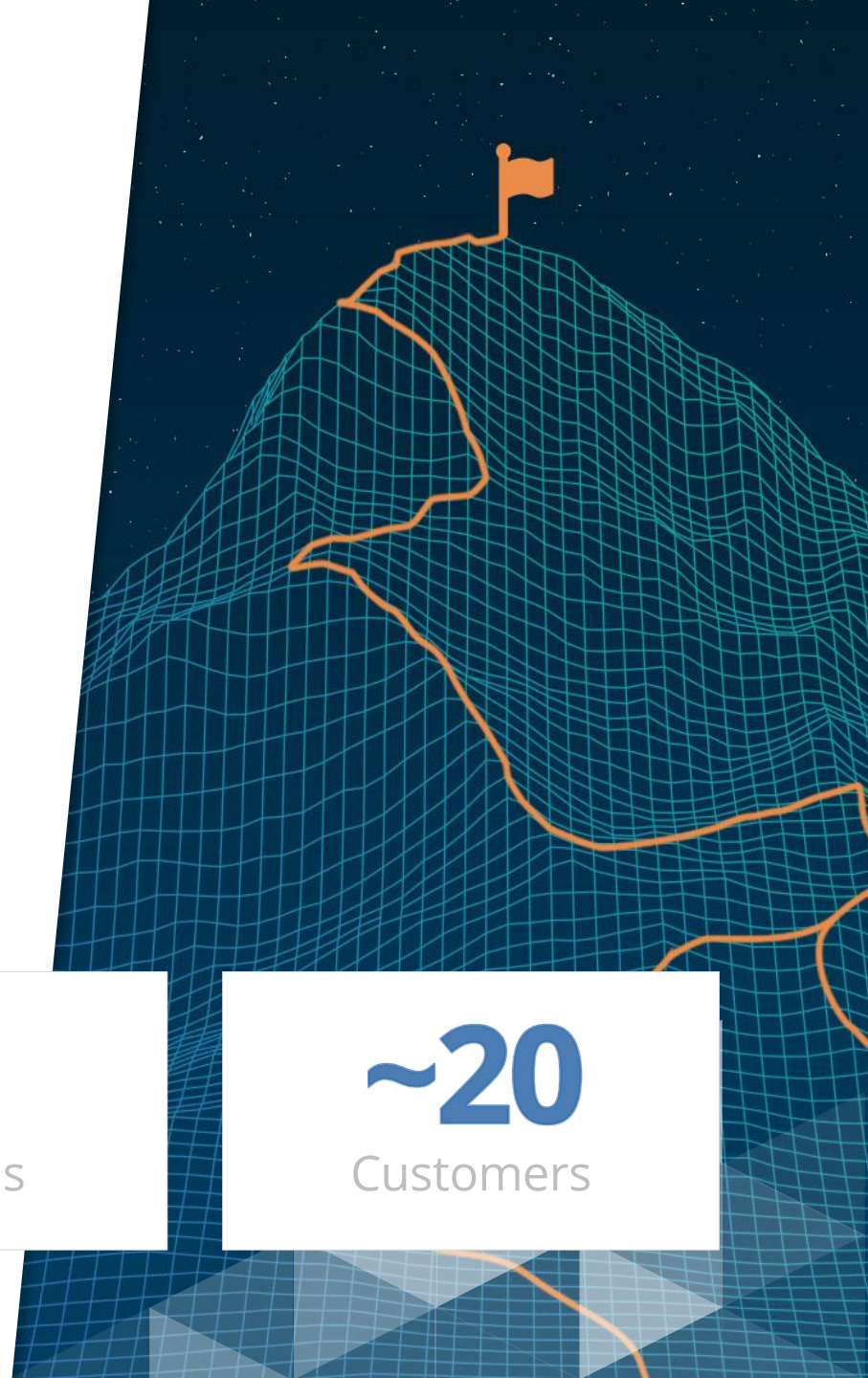
Employees

**2**

Locations

**~20**

Customers



Please feel free to call us at +49 (89) 2314 1317 5  
or write to us at [info@d-quantum.com](mailto:info@d-quantum.com)

We look forward to hearing from you!





# DATA MANAGEMENT JOURNEY

