SYNABI

DATA MANAGEMENT JOURNEY

The path to successful Data Management

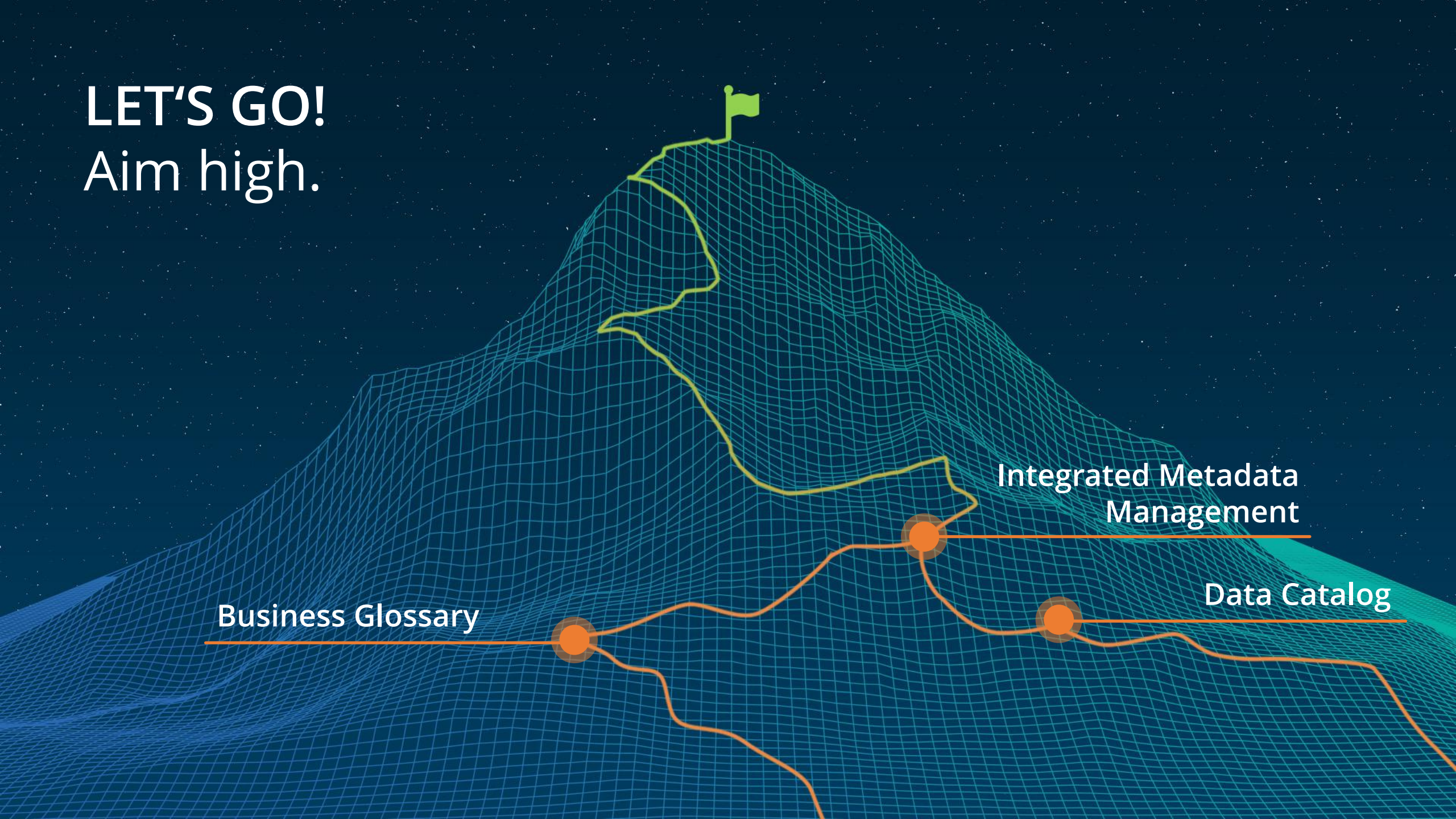
with D-QUANTUM

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.
Integrated Metadata Management
Data Catalog
Business Glossary

Business Glossary

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?

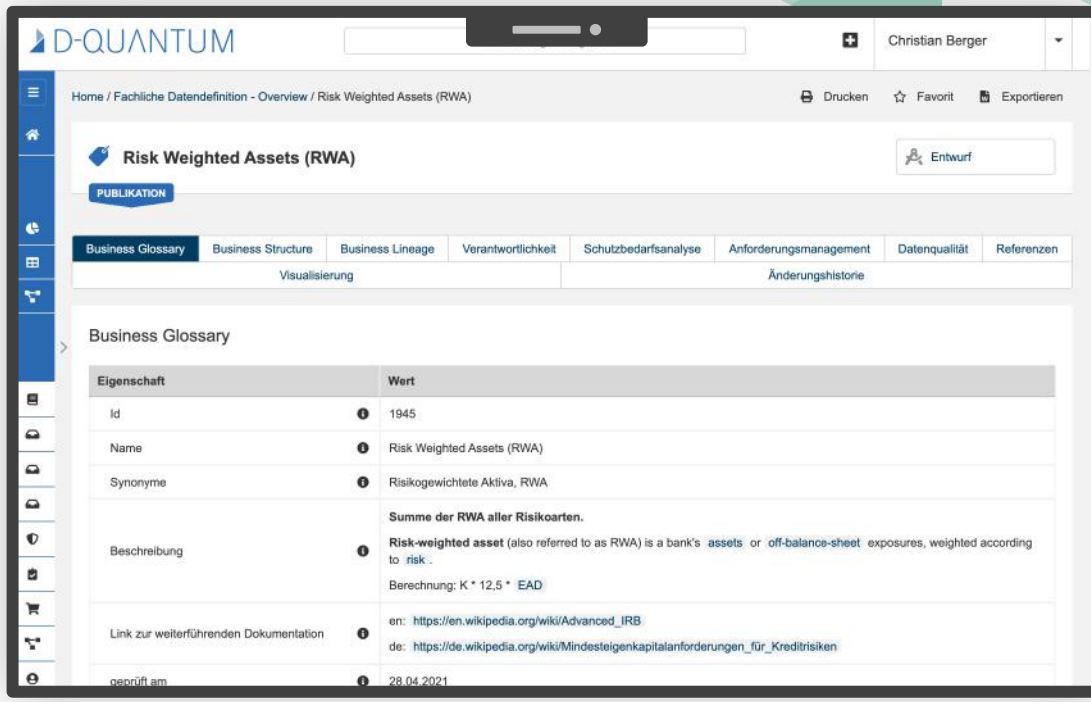
05 Who is responsible for data in my company? In which departments do the specialist competences lie?

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



Business Glossary

Data Catalog

Integrated Metadata Management

Data Contracting

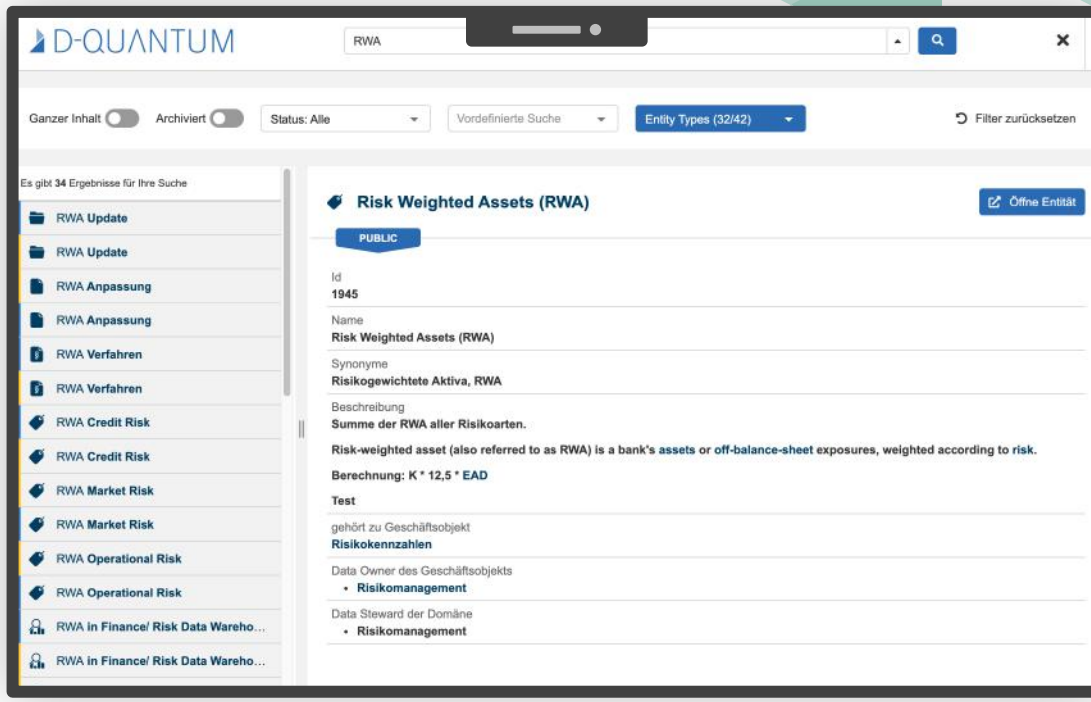
Data Quality Management

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



Business Glossary

Data Catalog

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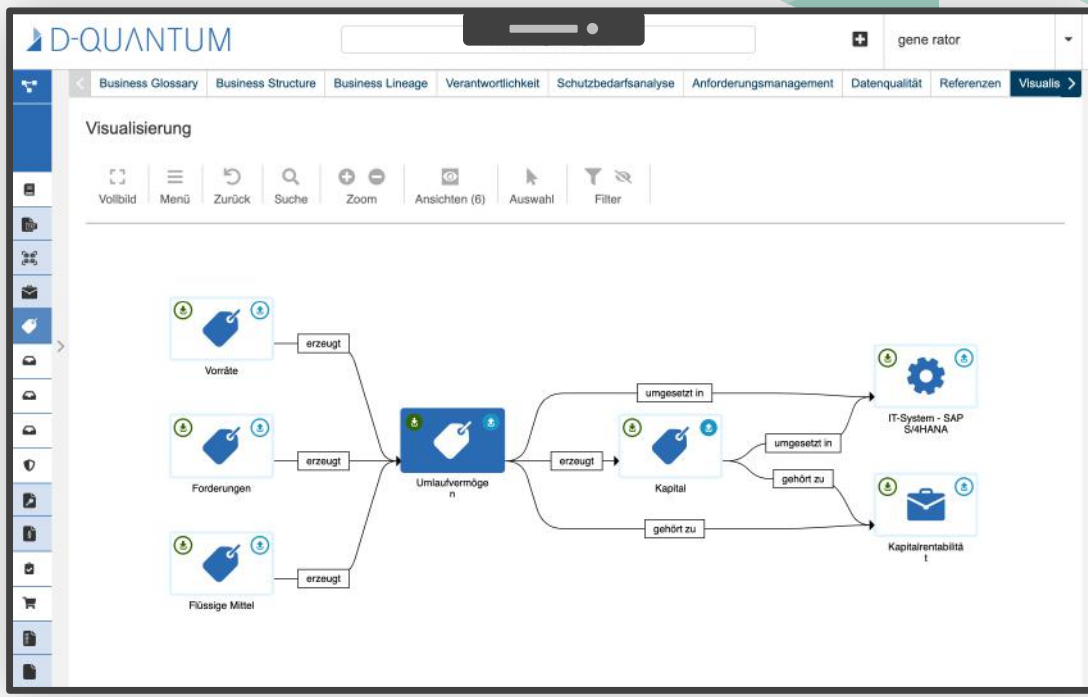
Data Request Management

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

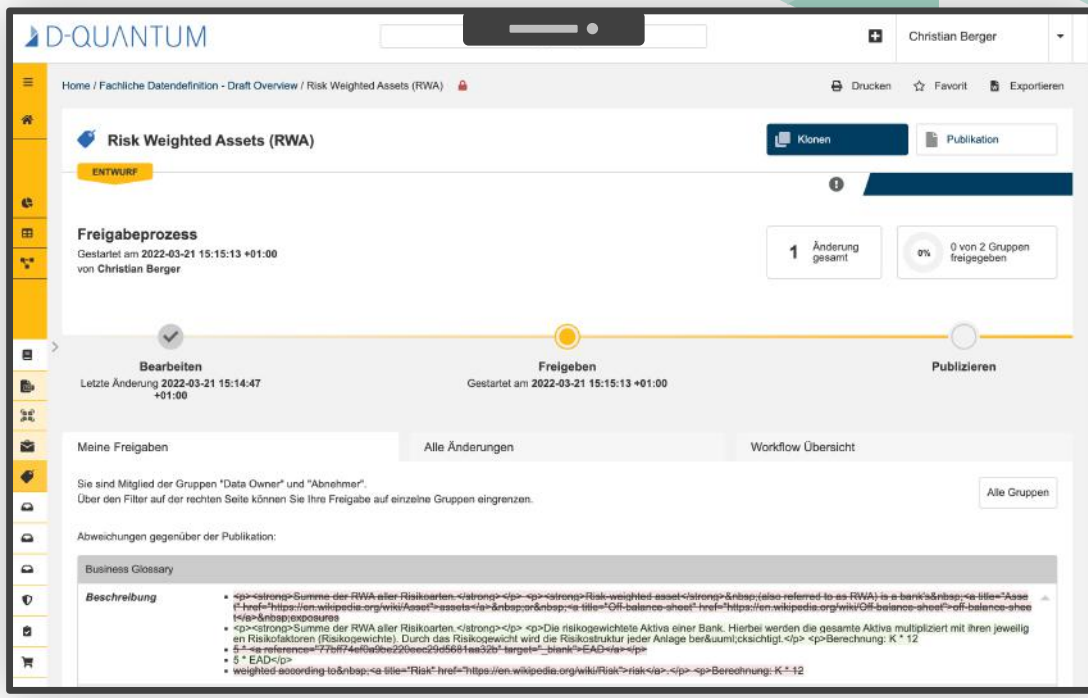


Business Glossary · Data Catalog · Integrated Metadata Management · Data Contracting · Data Quality Management · Data Request Management

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

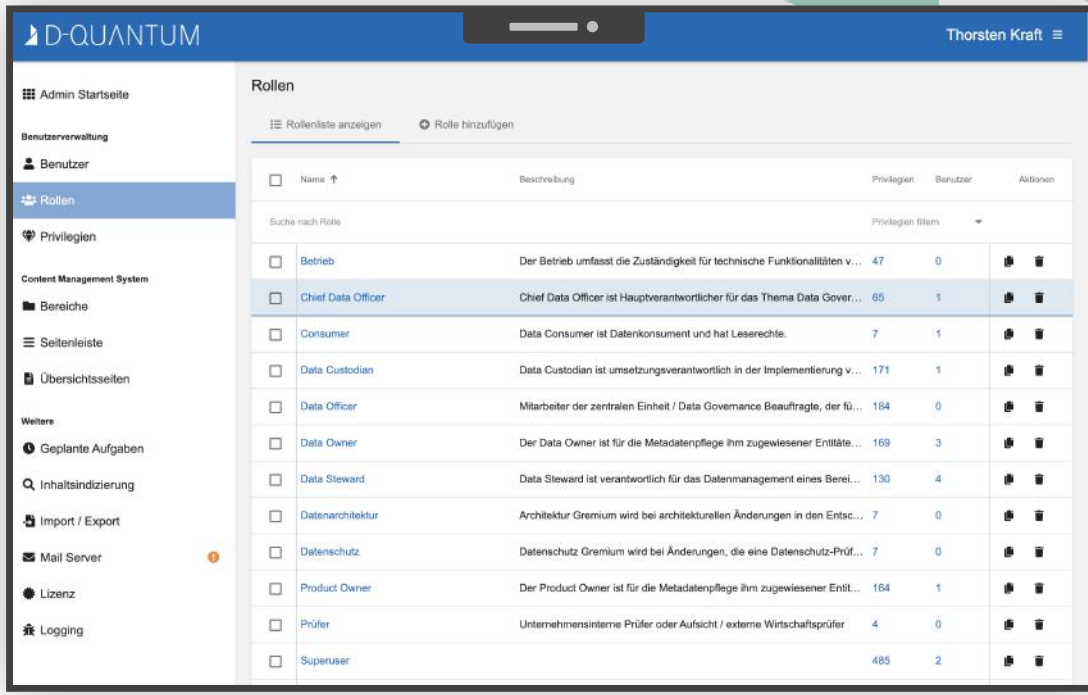


Business Glossary | Data Catalog | Integrated Metadata Management | Data Contracting | Data Quality Management | Data Request Management

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



Business Glossary

Data Catalog

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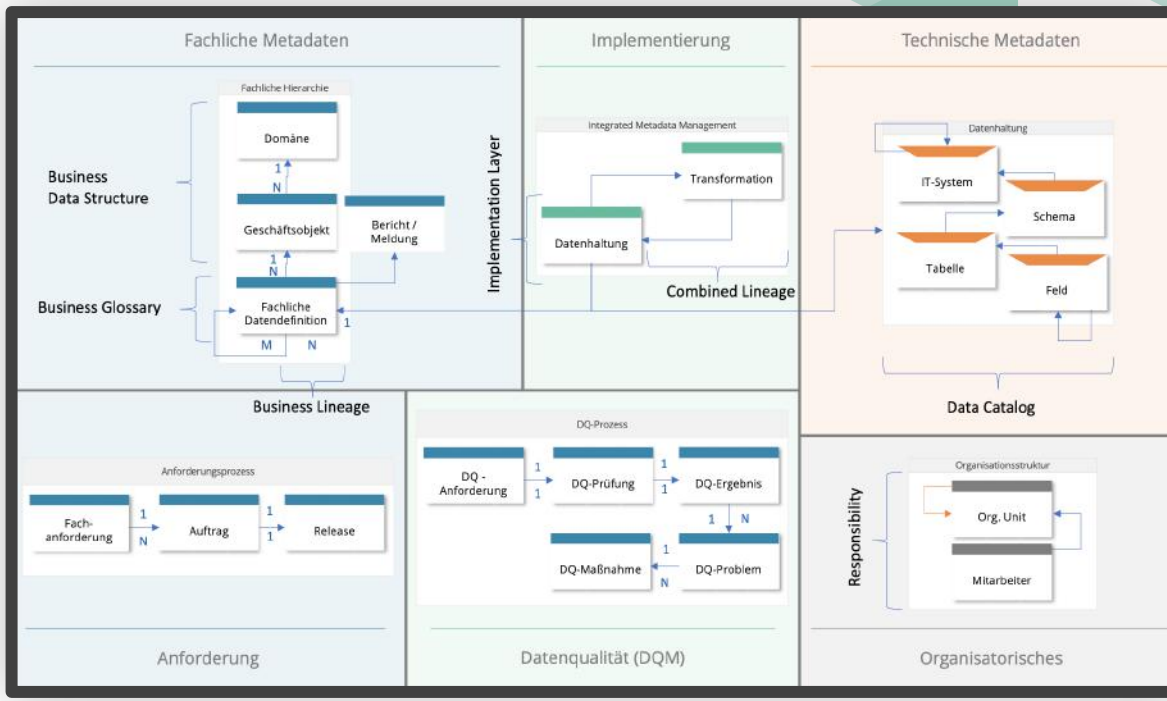
Added value Business Glossary

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

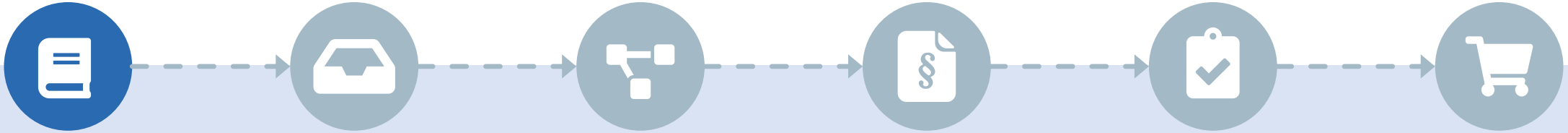
Business hierarchies and key figure systems in detail

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.



2 min. solution video

Business Glossary

Data Catalog

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?

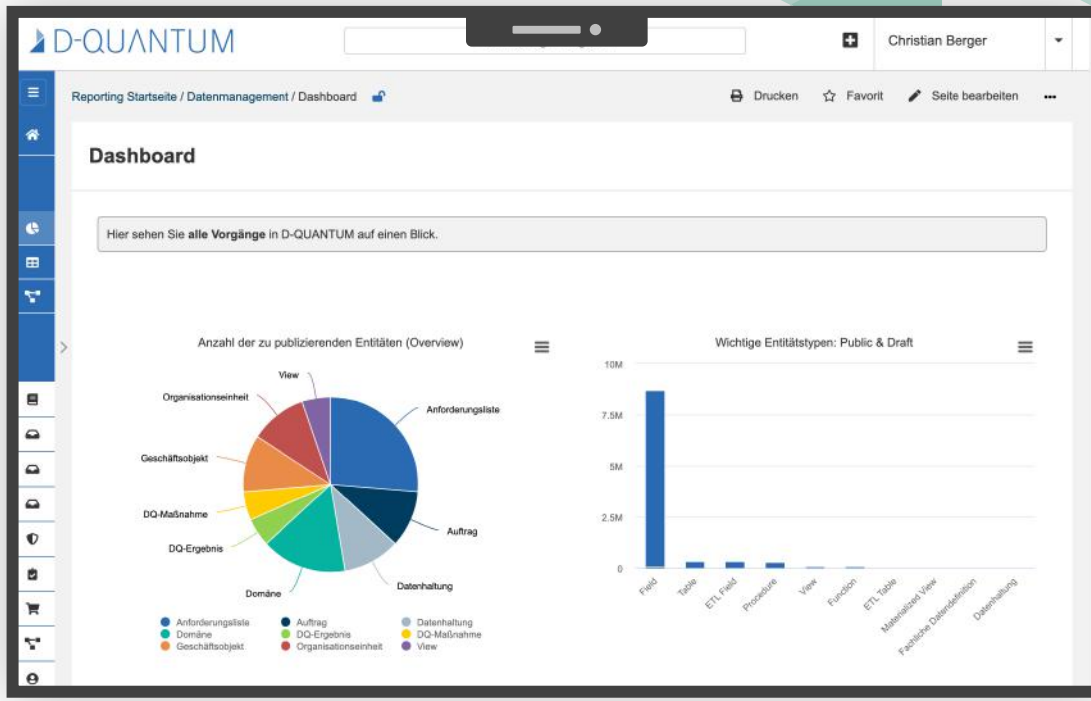
04 How can I identify technical dependencies in my data?

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

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

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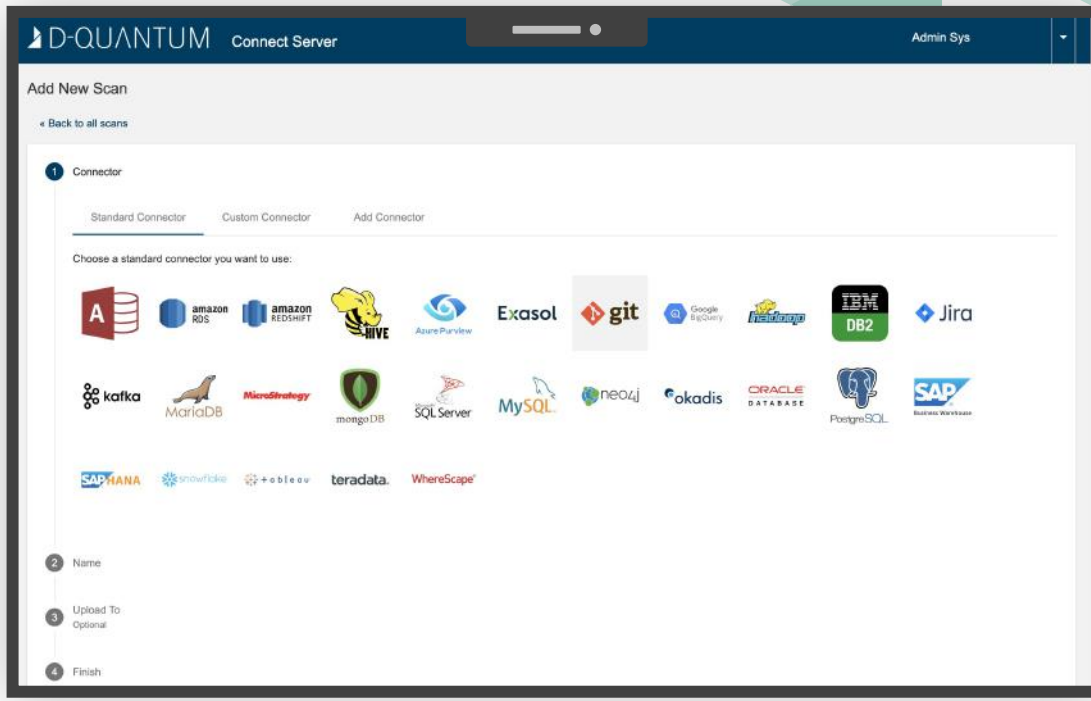
Data Request Management

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

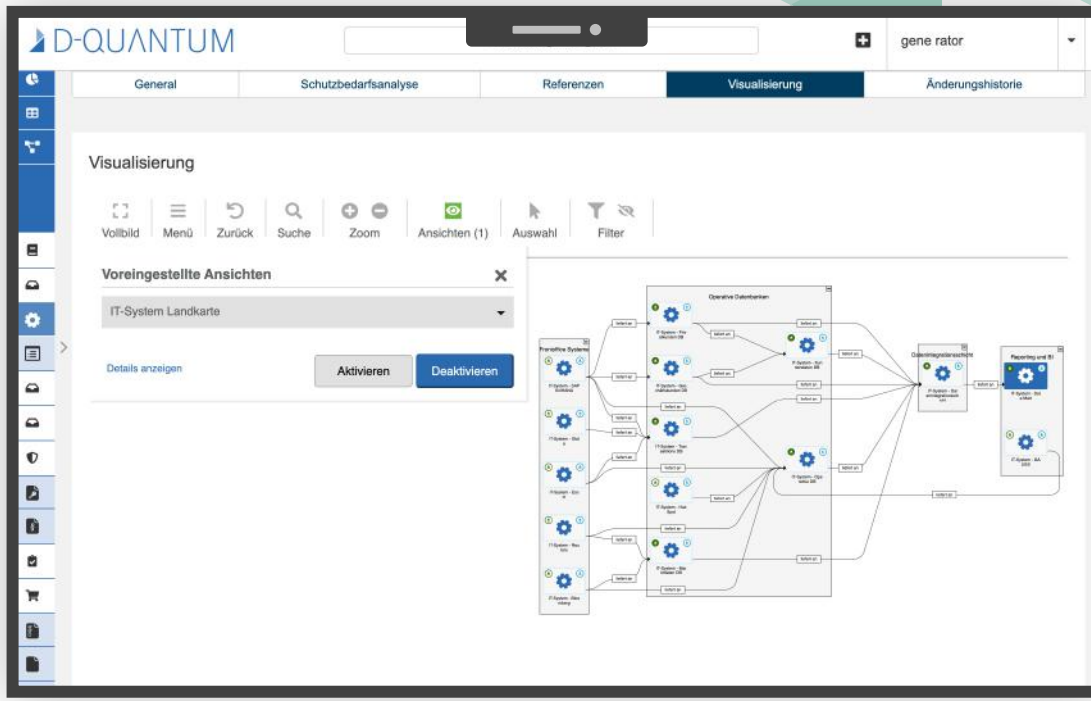


Business Glossary | Data Catalog | Integrated Metadata Management | Data Contracting | Data Quality Management | Data Request Management

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

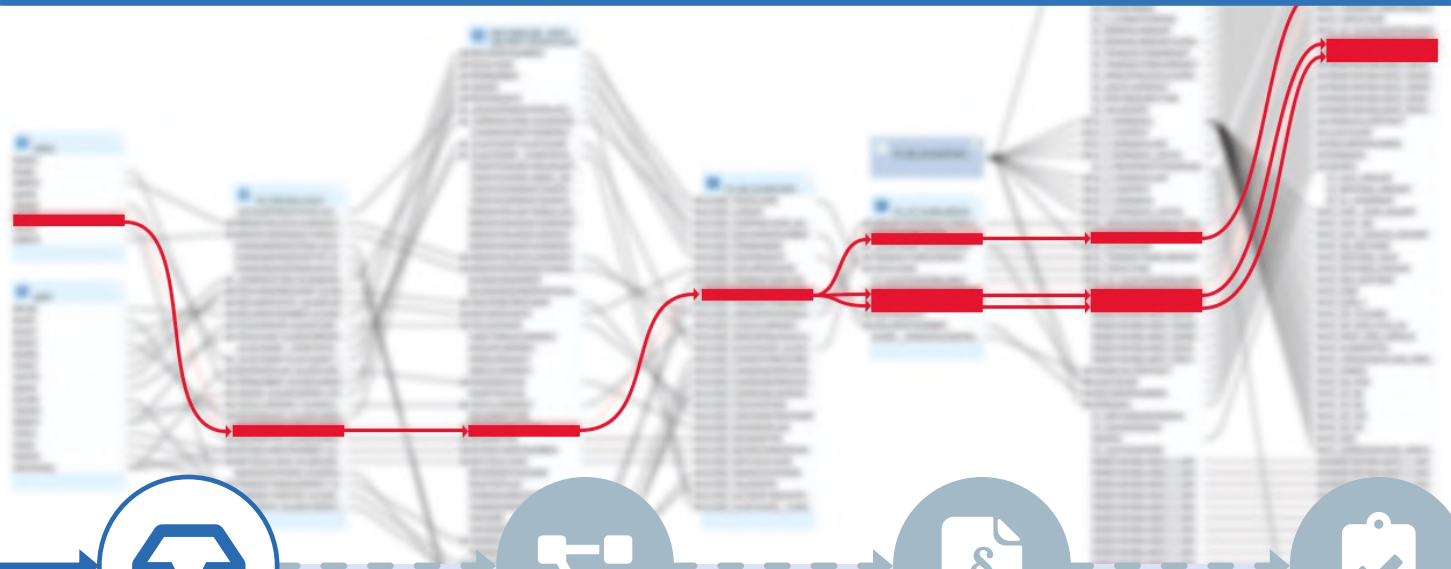


Business Glossary → Data Catalog → Integrated Metadata Management → Data Contracting → Data Quality Management → Data Request Management

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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3 min. solution video

Data Catalog

D-QUANTUM Connects your technologies

Select connector, scan inventory and upload to D-QUANTUM

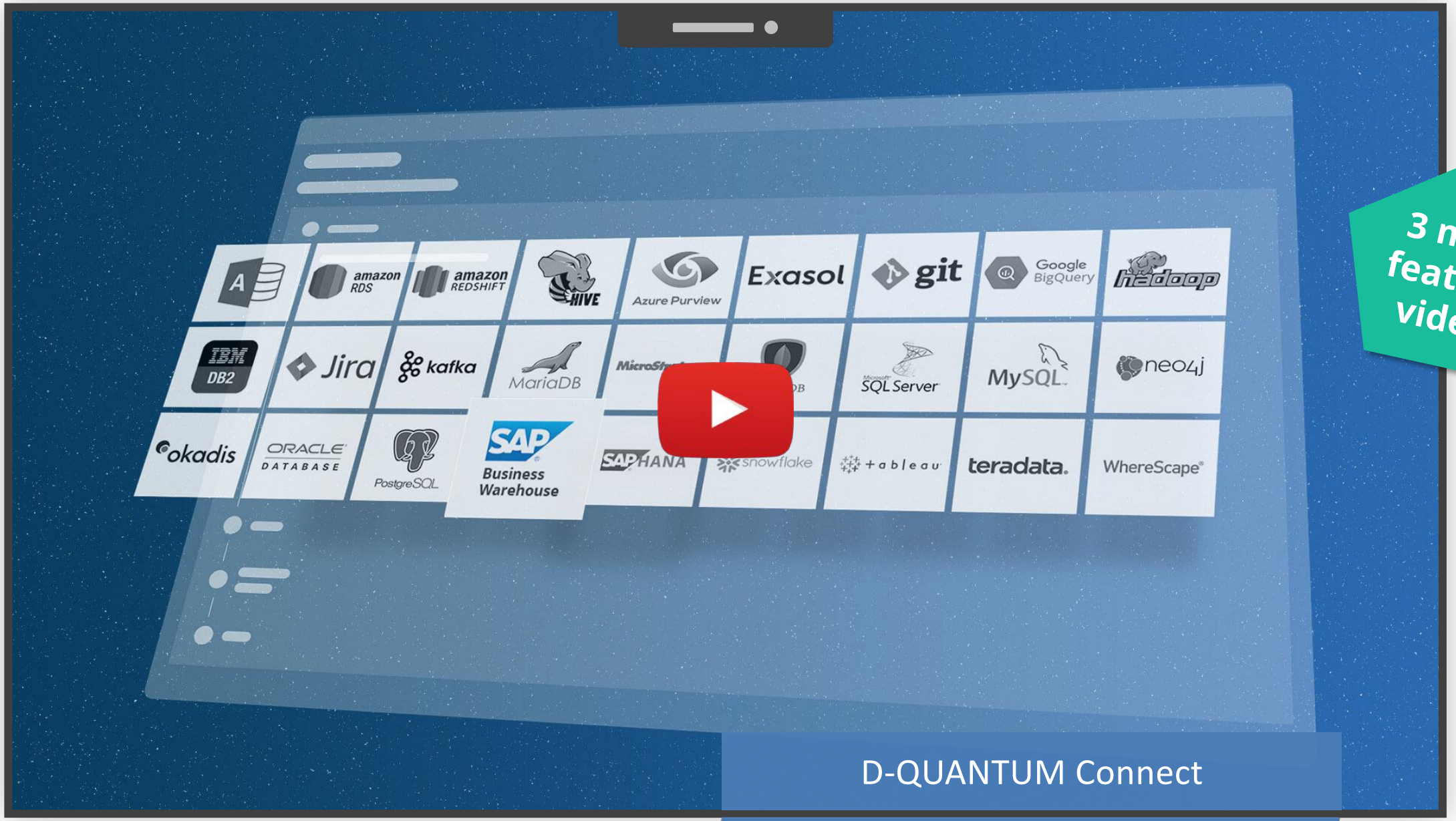
Lightweight
Read access, no installation in the source system

Multi-Connectivity
Connection via standard or custom connectors

Simplexity
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!


amazon RDS
amazon REDSHIFT
HIVE
Azure Purview
Exasol
git
Google BigQuery
hadoop
IBM DB2
Jira
kafka
MariaDB
SQL Server
MySQL
neo4j
okadis
ORACLE DATABASE
PostgreSQL
SAP Business Warehouse
SAP HANA
snowflake
+ableau
teradata.
WhereScape
3 min. feature video
D-QUANTUM Connect

Integrated Metadata Management

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?

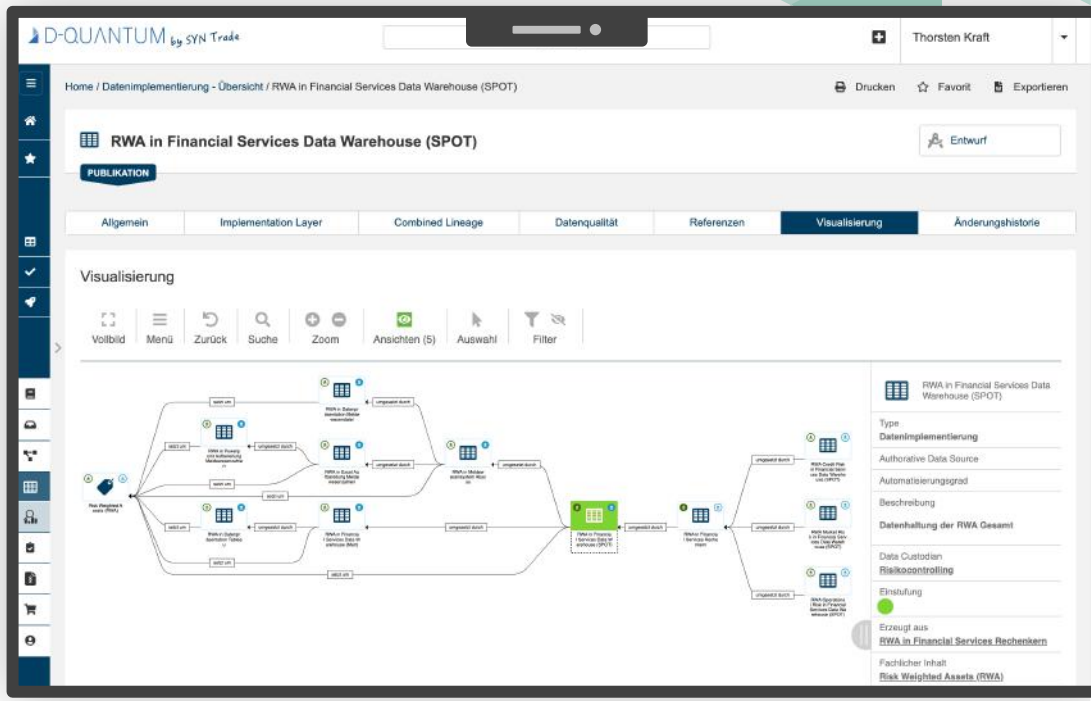
Added value Integrated Metadata Management

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

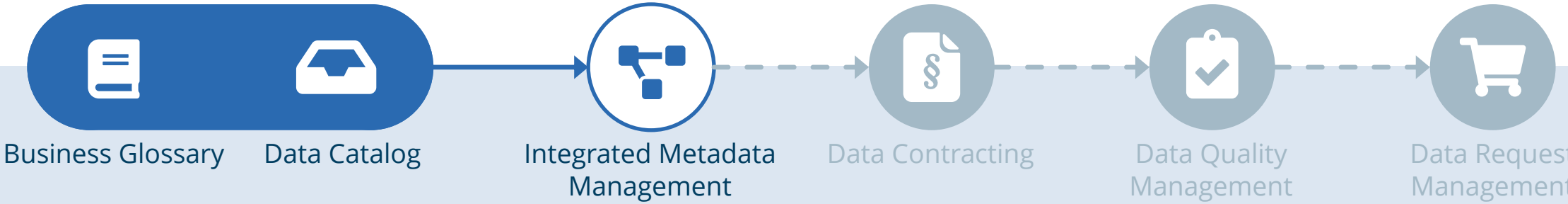
Added value Integrated Metadata Management

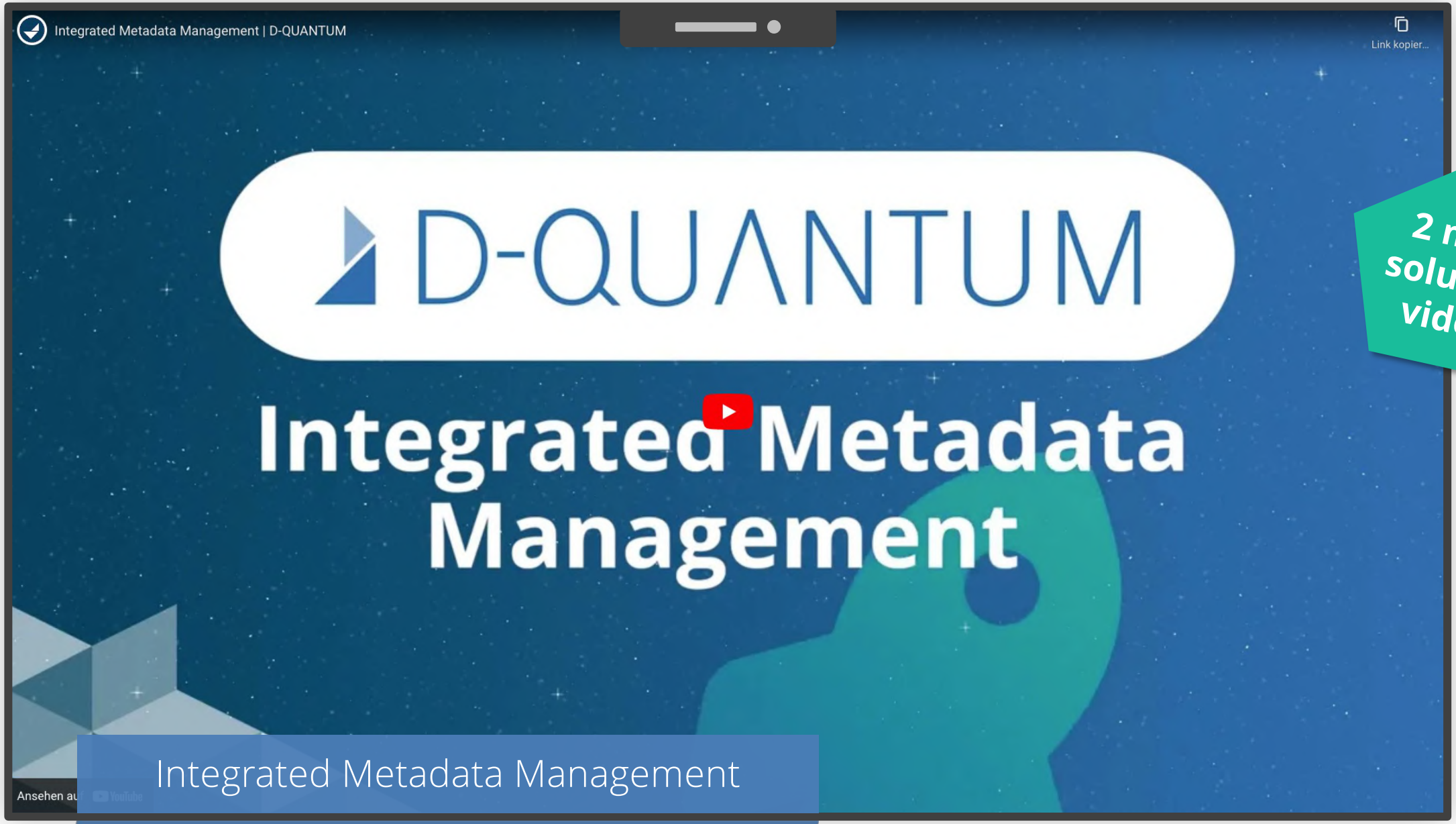
Granularity change between business and technical lineage

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.





2 min. solution video

Integrated Metadata Management

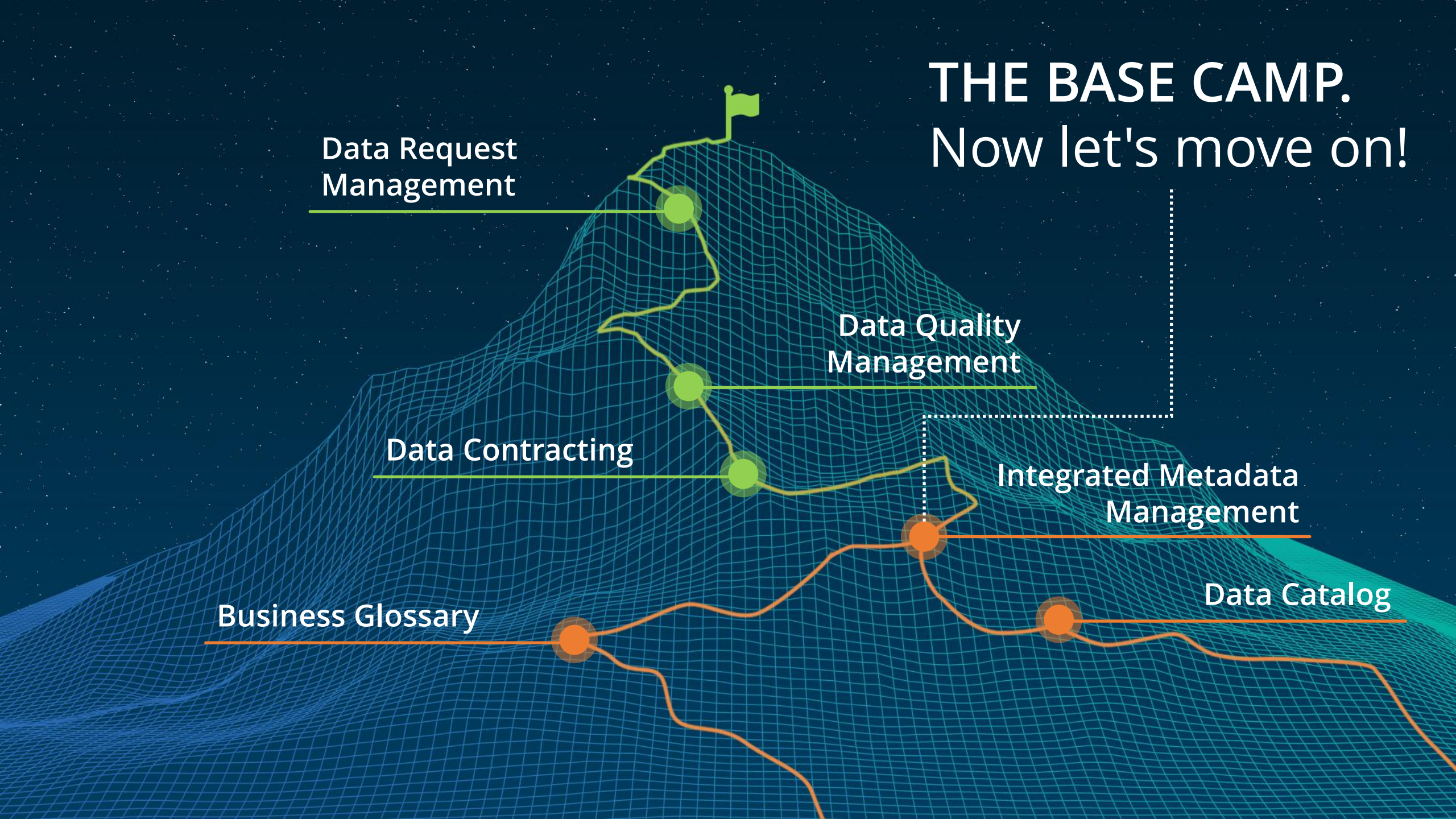
This is what D-QUANTUM can do

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
Data Catalog
Business Glossary

Data Contracting

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?

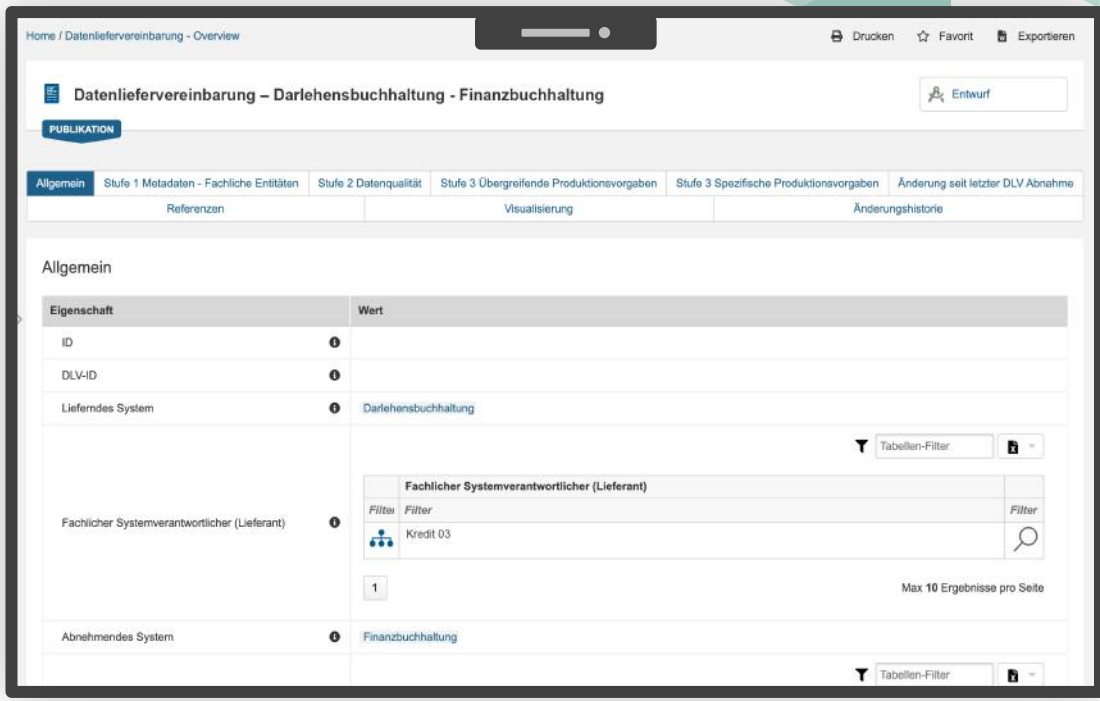
Added value Data Contracting

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

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?

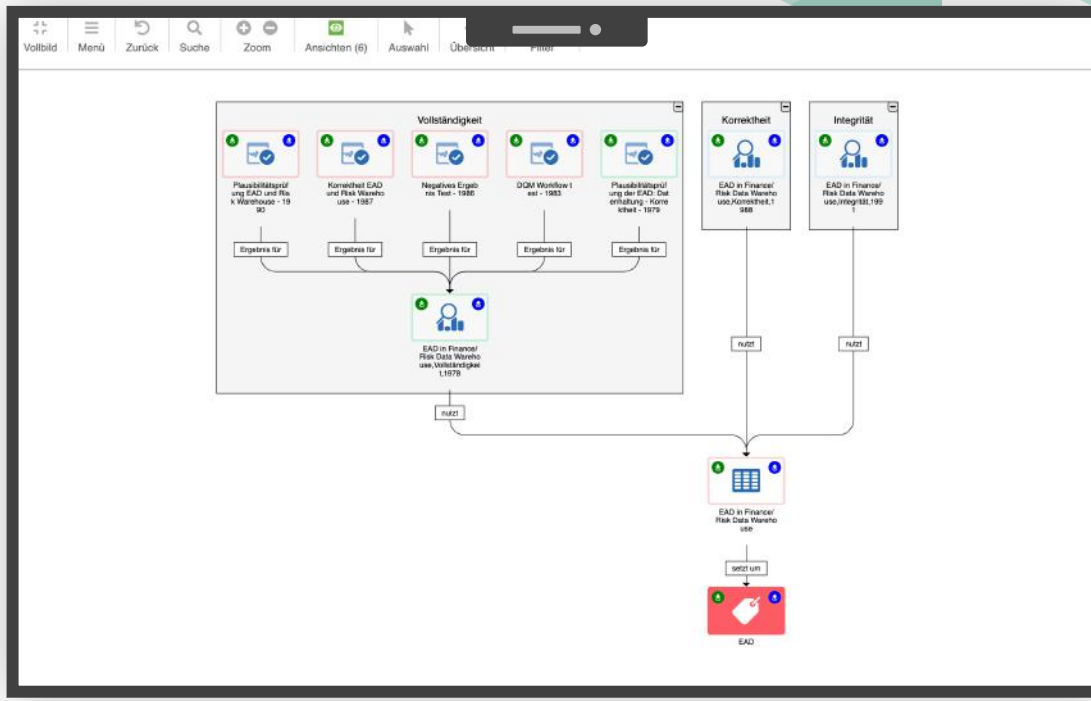
Added value Data Quality Management

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

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!

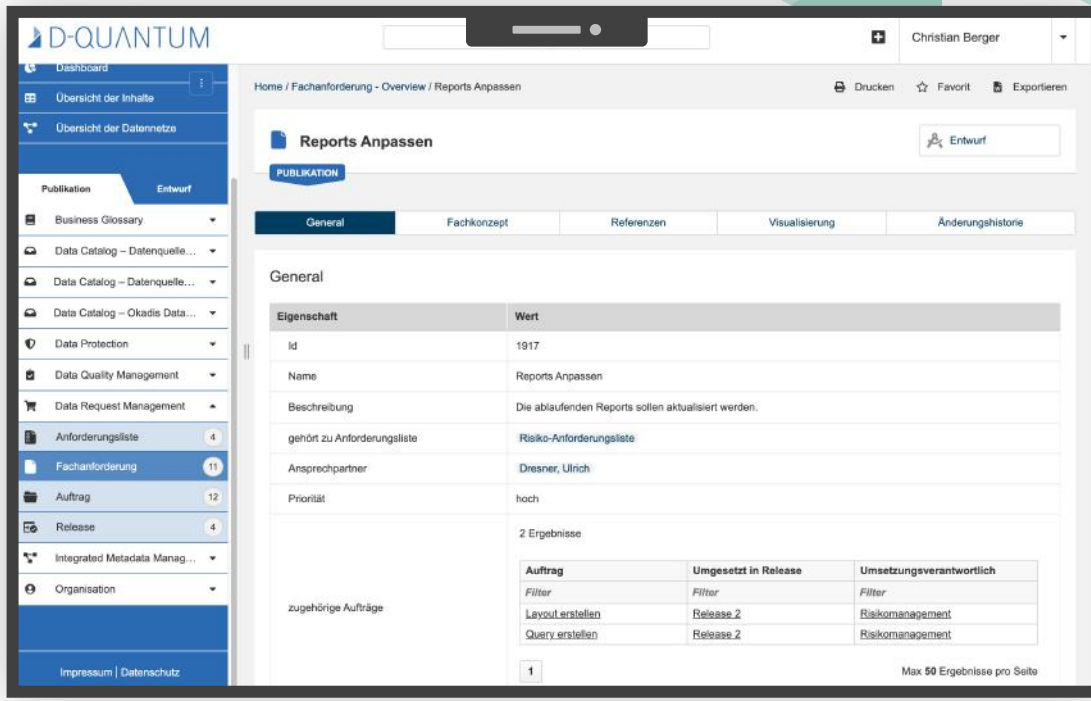
01	How can requesters identify what data they require and communicate their data needs?
02	How can I identify the stakeholders relevant to my order and obtain their approval?
03	How can a standardised process for the recording of requirements be implemented?
04	How do I increase the degree of utilisation 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

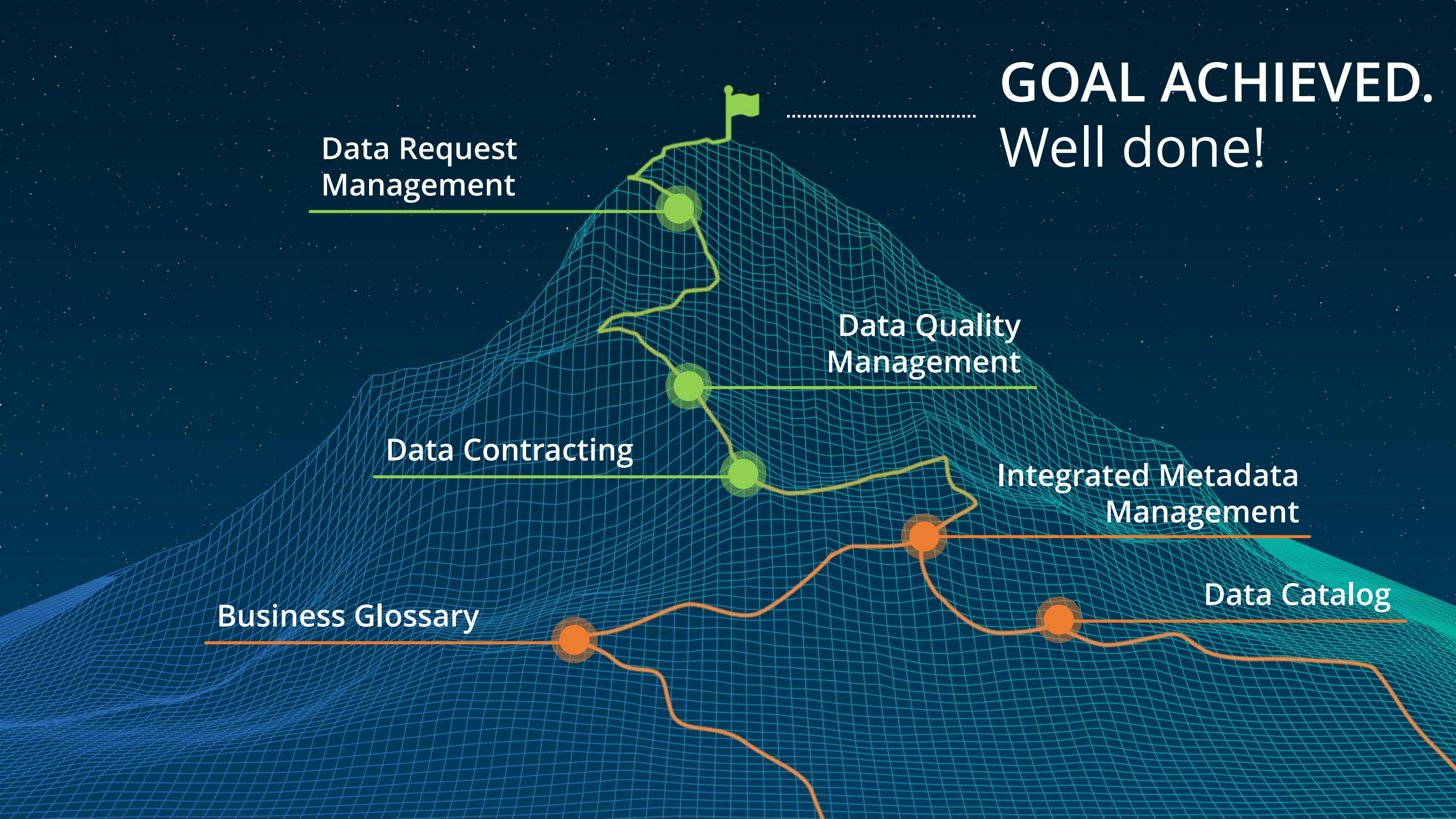
Improved availability and reuse of data
The marketplace for intuitive shopping for data opens up internal data silos

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



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
Data Catalog
Business Glossary

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

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

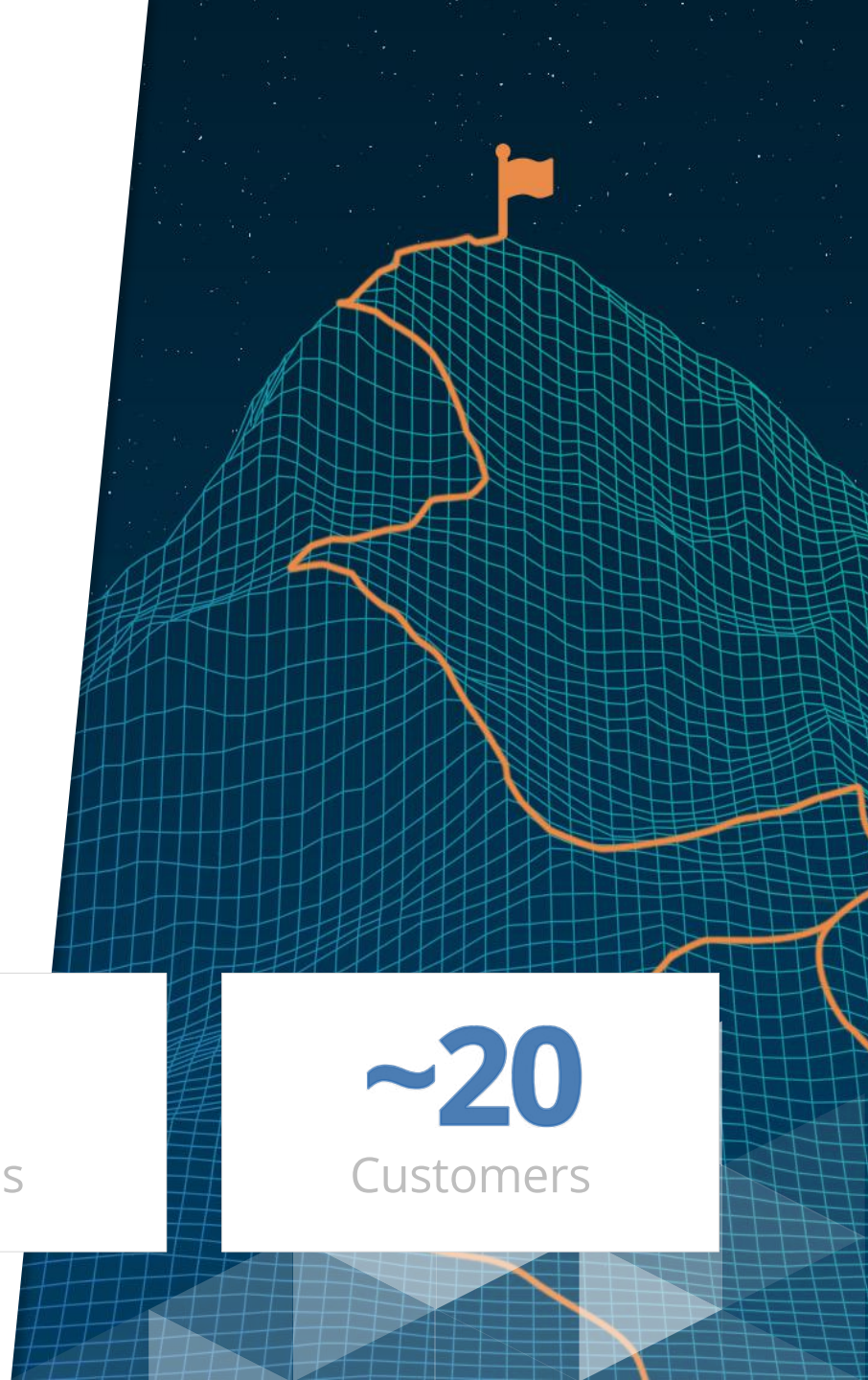
An experienced team thereby accompanies the customers in the development and continuous improvement of data management in order to increase the added value from the data.

2016
Foundation

60+
Employees

2
Locations

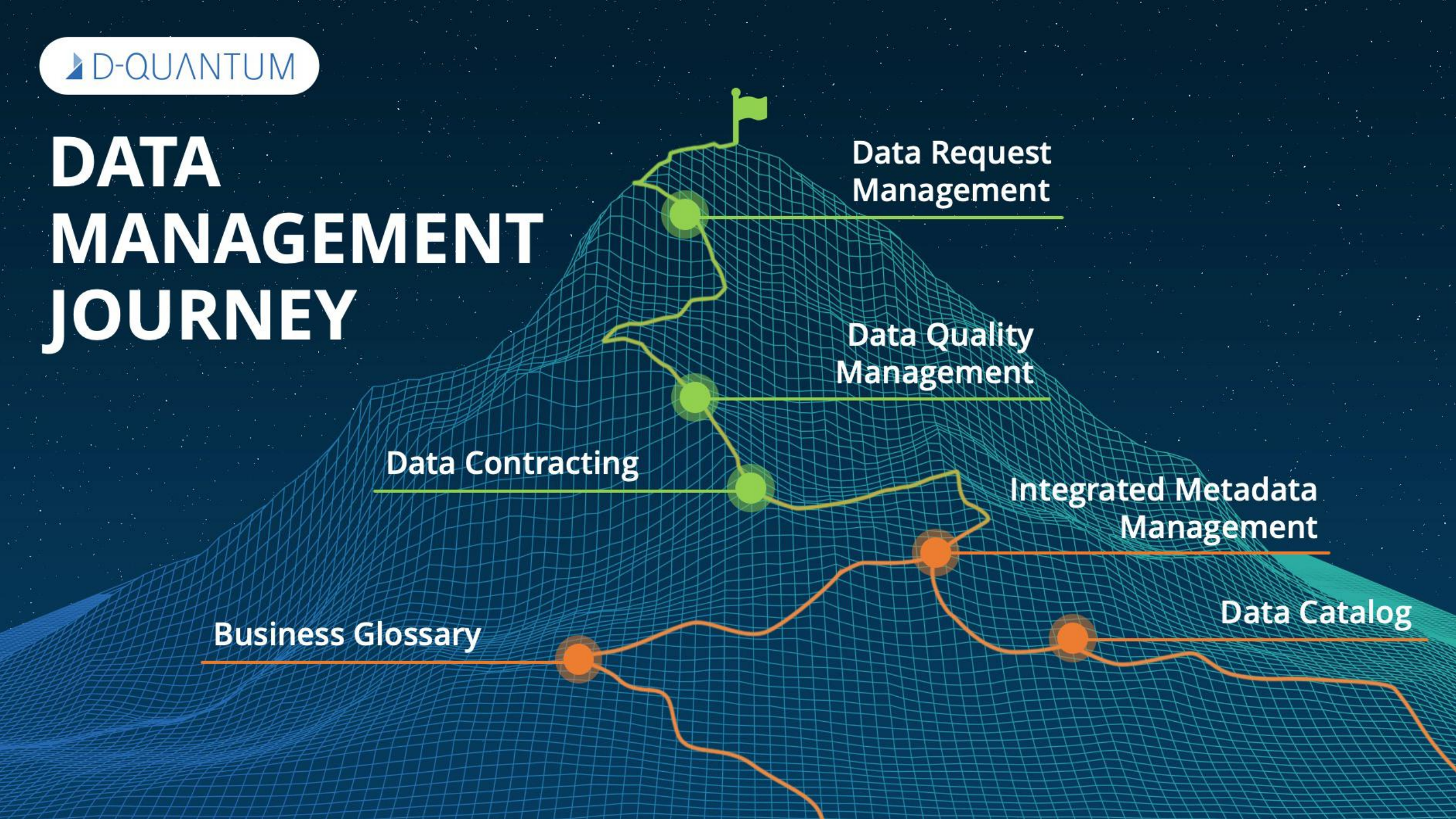
~20
Customers



Please feel free to call us at +49 (89) 2314 1317 5

or write to us at info@d-quantum.com

We look forward to hearing from you!

D-QUANTUM

DATA MANAGEMENT JOURNEY