



DATEV

Connecting Dots: How DATEV Leverages Knowledge Graphs to Shape its Data Product Catalog

Inga Glotzbach

adorsys

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- 1. Quick Facts - About DATEV**
- 2. Data Products, Data Catalog & Data Contract**
- 3. The Bigger Picture**
- 4. The Challenges and the next steps**
- 5. Question & Answers**

1. Quick Facts – About DATEV

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8.870

Employees work for the cooperative's customers

1

of the largest IT service providers in Europe*

1,44 Billion

Revenue generated in 2023

620K

Customers trust DATEV

7

Sites in Europe

1966

Year of establishment

* Quelle: ICD-Ranking 2023



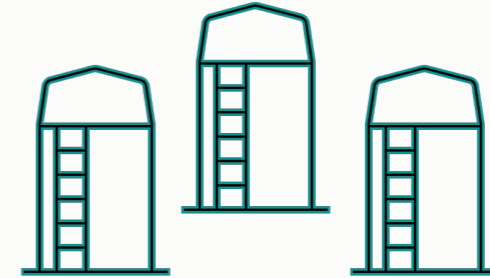
1. Quick Facts – About DATEV



a lot of departments



a lot of data



a lot of data silos



So what are the goals

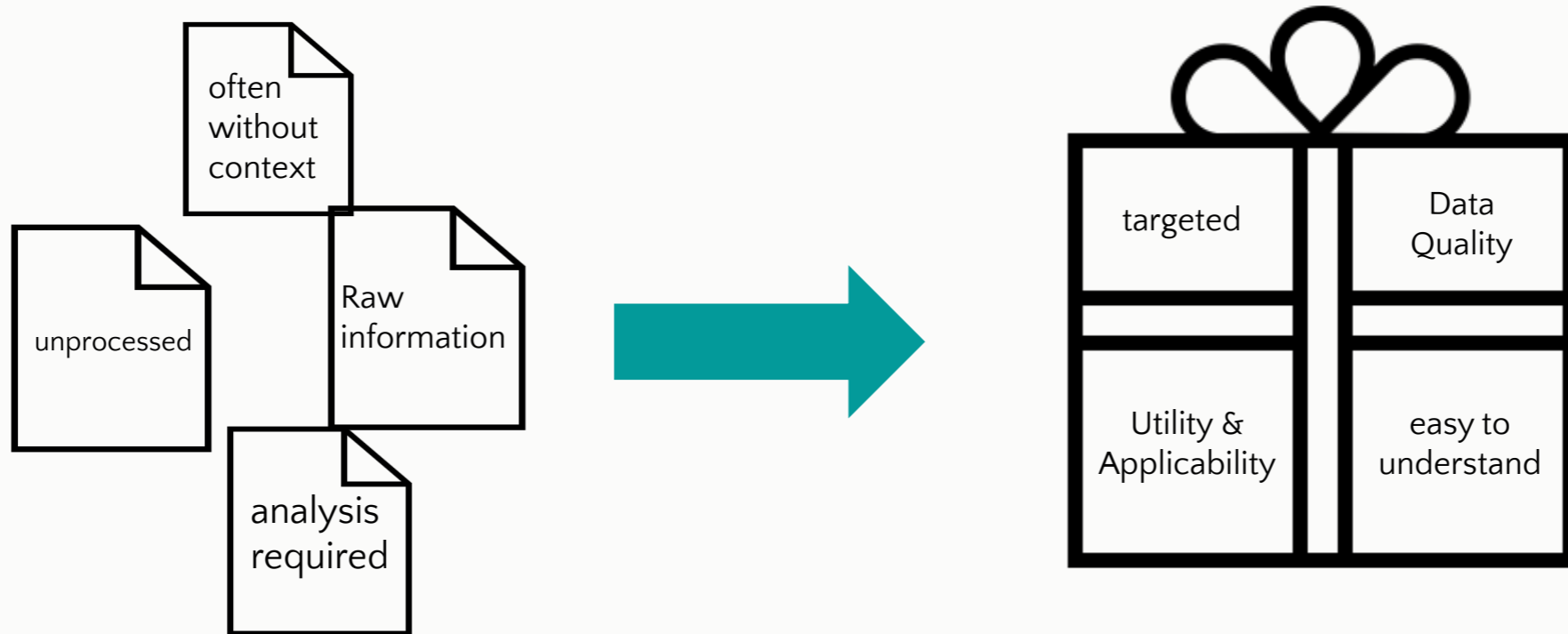
**DATEV wants be able to
make data-driven
decisions.**

How can we make this happen?



2. Data Products, Data Catalog & Data Contract

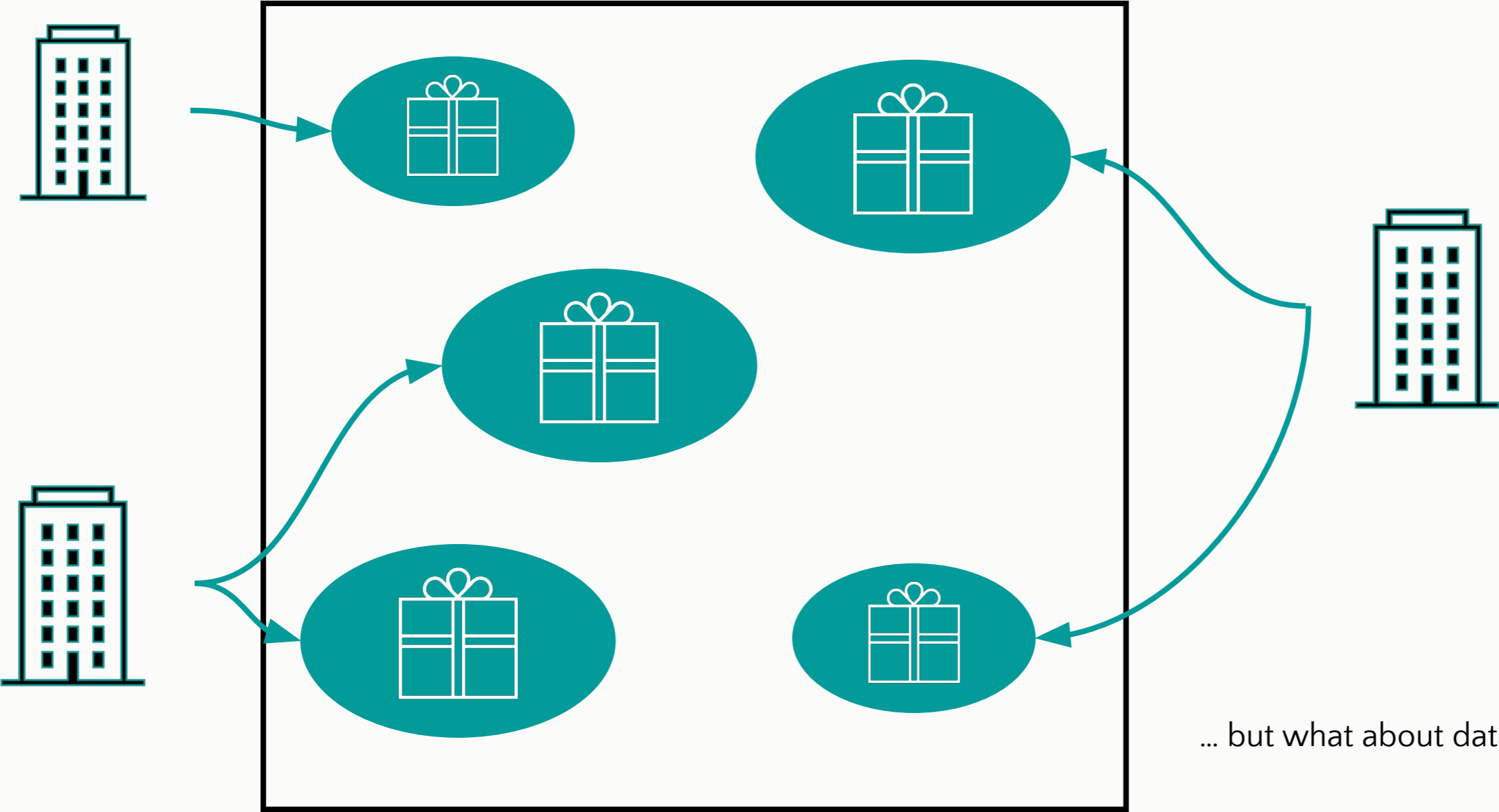
2. Data Products



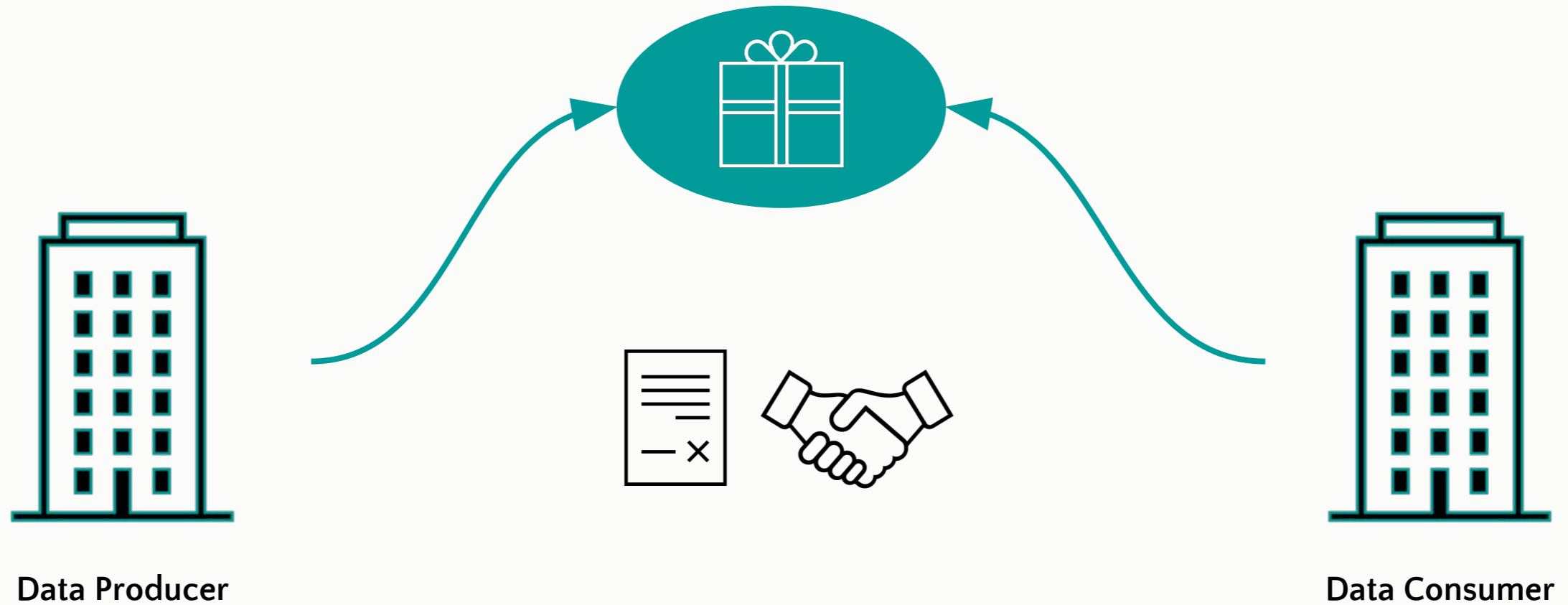
„Data should be viewed as a product.“

... but what about findability?

2. Data Catalog

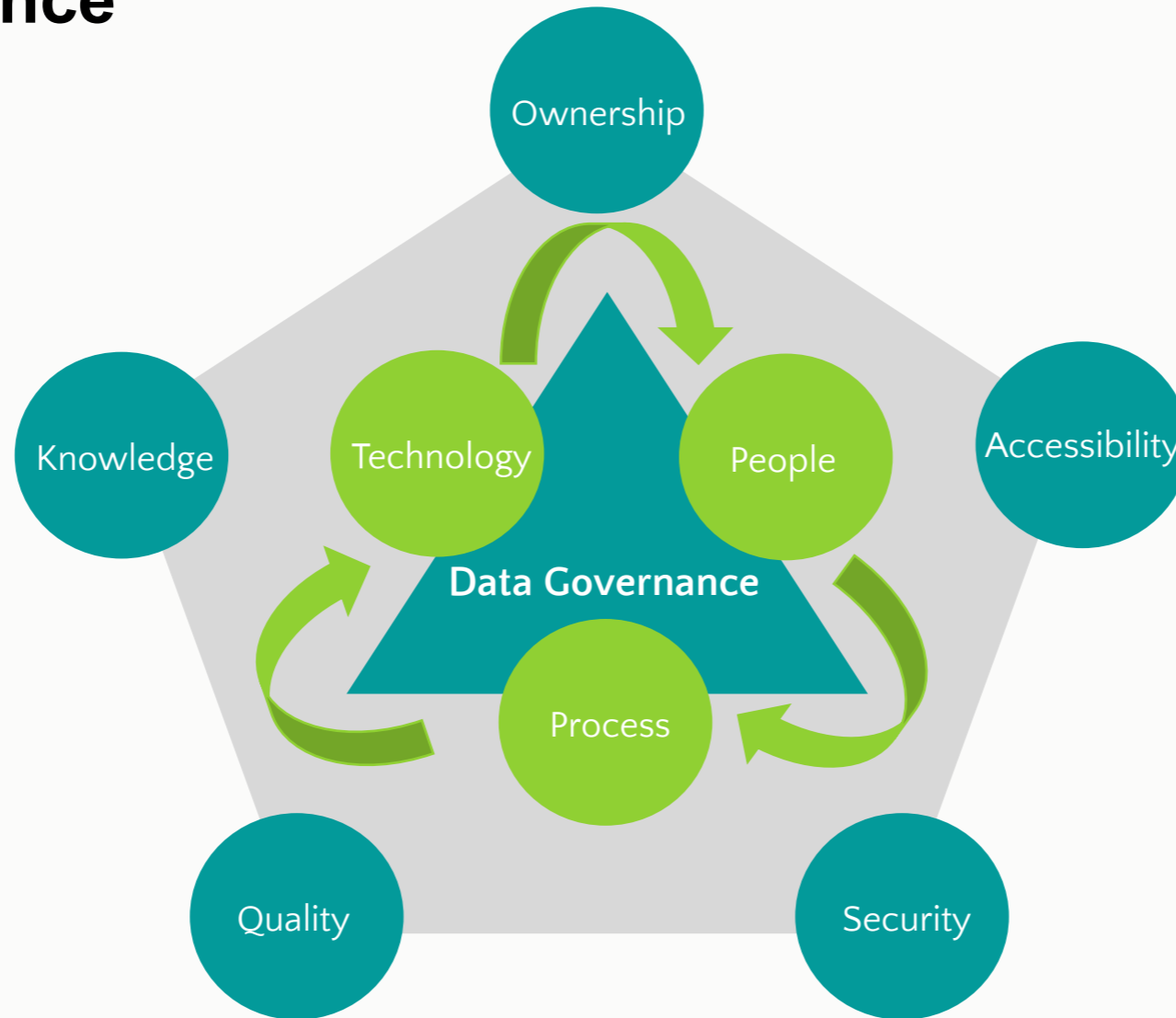


2. Data Contract



... but how do we ensure that everything is compliant now?

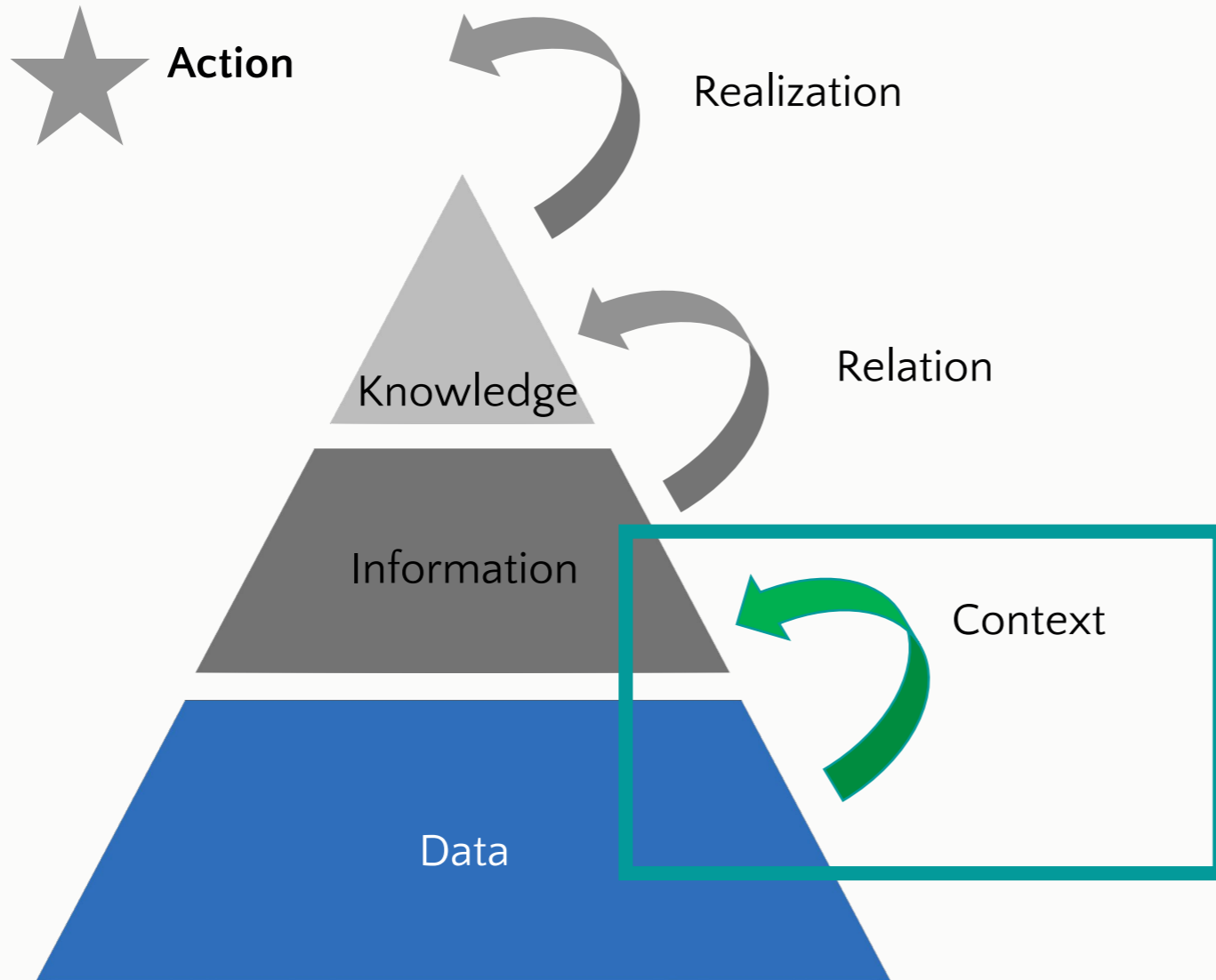
2. Data Governance



... is that enough to make data-driven decisions?

3. The Bigger Picture

3. The Bigger Picture:



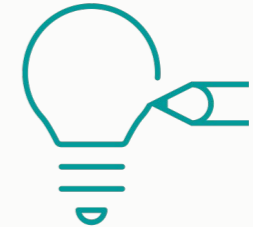
3. The Bigger Picture – Current Implementation



Building standards and blueprints for ontologies



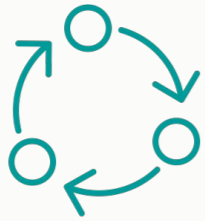
Identify the technical requirements to operate a semantic layer



Building first prototypes

4. The Challenges and the next steps

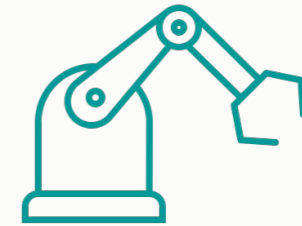
4. The challenges



Data Governance & Semantic Integration



Raising awareness of the topic



Tool question – What suits the best for us

4. The next steps

- ✓ Creating more sensitivity for the topic (trainings, workshops, presentations, communities)
- ✓ Convert more use cases/applications within the company
- ✓ Set standards to use the actual knowledge graph
- ✓ but also ...get advice from others, that's why we're here.

Questions & Answers

Question to you:
Do you have an advice for us or have you experienced similar cases?

You can reach out to us!

Contact

Tim Biedenkapp

Director Technology

adorsys GmbH & Co. KG

Tim.biedenkapp@adorsys.com

Inga Glotzbach

Software Developer

adorsys GmbH & Co. KG

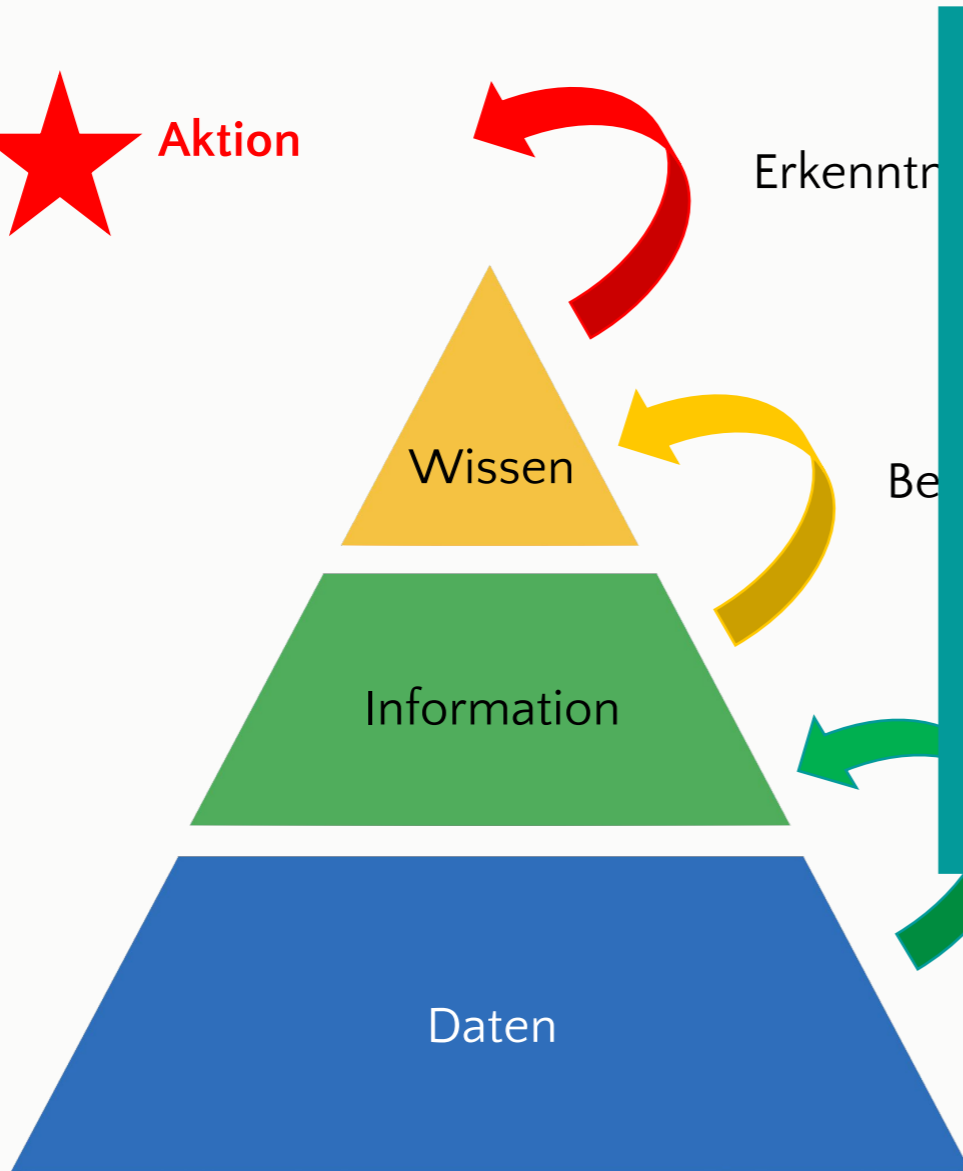
Inga.glotzbach@adorsys.com



Zukunft gestalten. Gemeinsam.

The Bigger Picture:

 **Aktion**



Wir haben zwar Daten, ja: Aber wir wollen ja auch wissen was die Daten bedeuten. damit wir von Daten zu Informationsebene, damit datengetriebene Entscheidungen treffen,

Wir wollen, dass Fachexperten eben dieses Wissen mit in die Daten pflegen, damit diese auch Maschinen lesbar sind. Und deshalb sind wir dabei einen Semantischen Layer setzen.

Nachfragen!



5200 € ? Sehr ungewöhnlich für Herrn Mustermann!



200 € Abbuchung von Kto. 312 123



312123 S 520000

2. What is a data product?

- With DataProducts, the product concept is applied to
- - Data mesh principle "Data as a product"
 - Data producer
 - Data consumer

Data Products --> kurze Erklärung (Data products are products or services that leverage data analysis and utilization to create value, gain insights, or solve problems.), cool, --> aber wer passt darauf jetzt dass das ganze auch umgesetzt wird? Oder wie es umgesetzt wird, jetzt ist auch nicht das Problem gelöst, dass wir unsere Daten finden.

- Data products are created, managed and quality-assured by the responsible business units
- - Domain reference
 - Quality is guaranteed
 - Self-service marketplace

2. Characteristics of a DataProduct

F

Findable

So that users can easily find and access the data products (human- and machine-readable metadata)

A

Accessible

Data products should be designed in such a way that they can be easily found, retrieved and used (clear, stable interface)

I

Interoperable

To ensure that the data is compatible with different systems and platforms (professional and technological standards)

R

Reusable

Data products are made reusable for current and future purposes (degree of utilization)

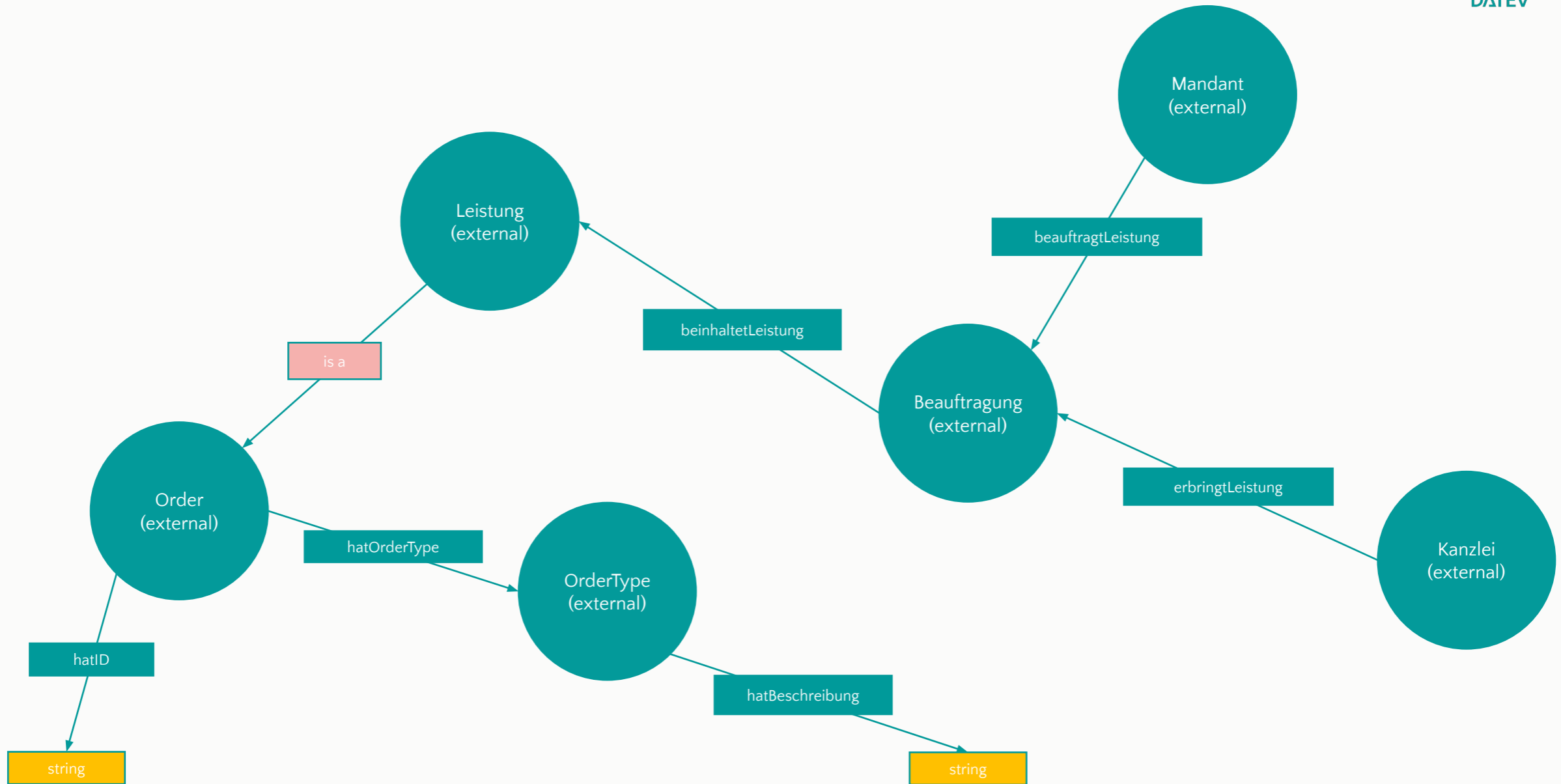
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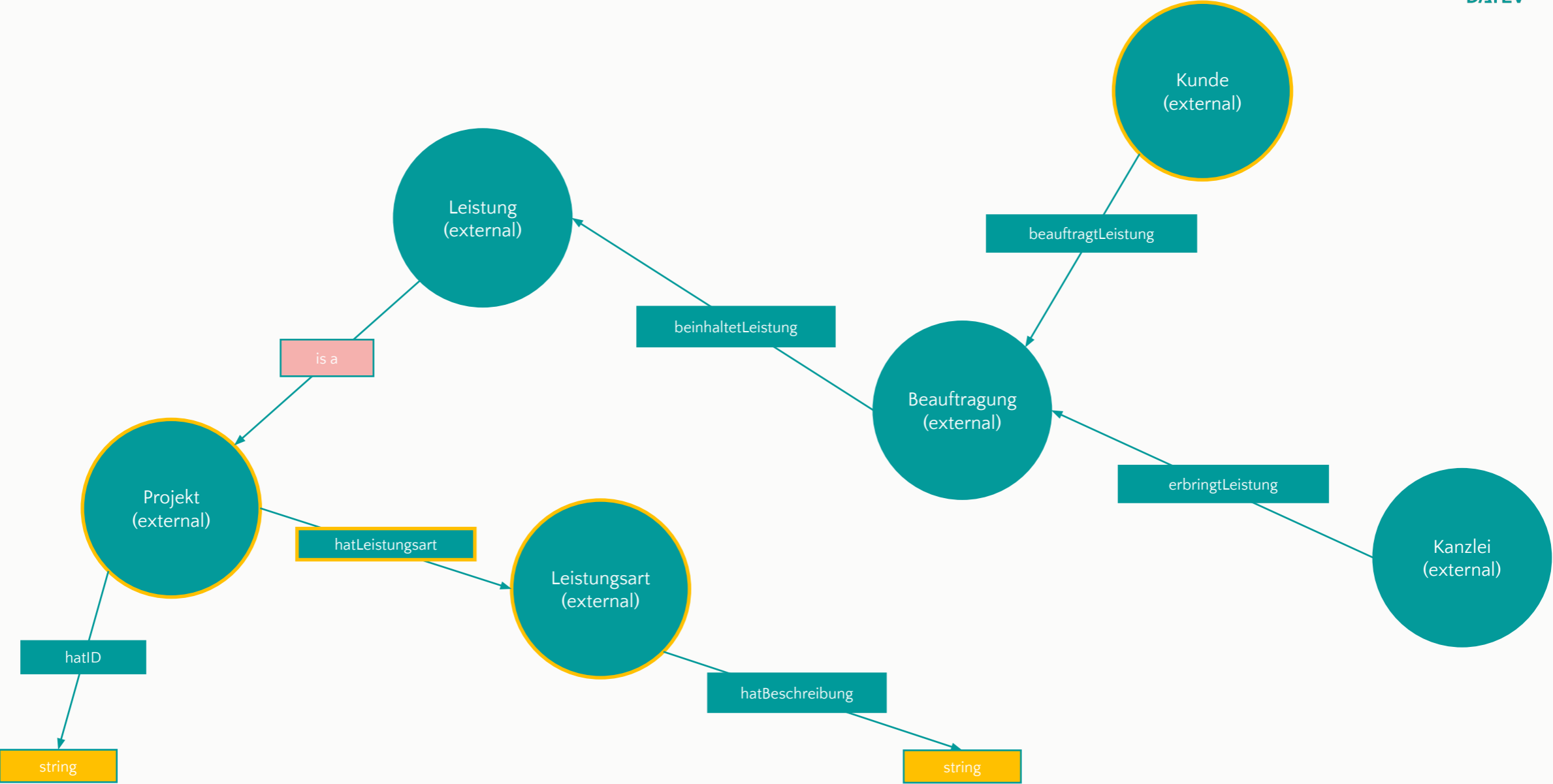
Fazit

Fallstudie

Bestandssystem



Zukünftige Lösung





Zukunft gestalten. Gemeinsam.