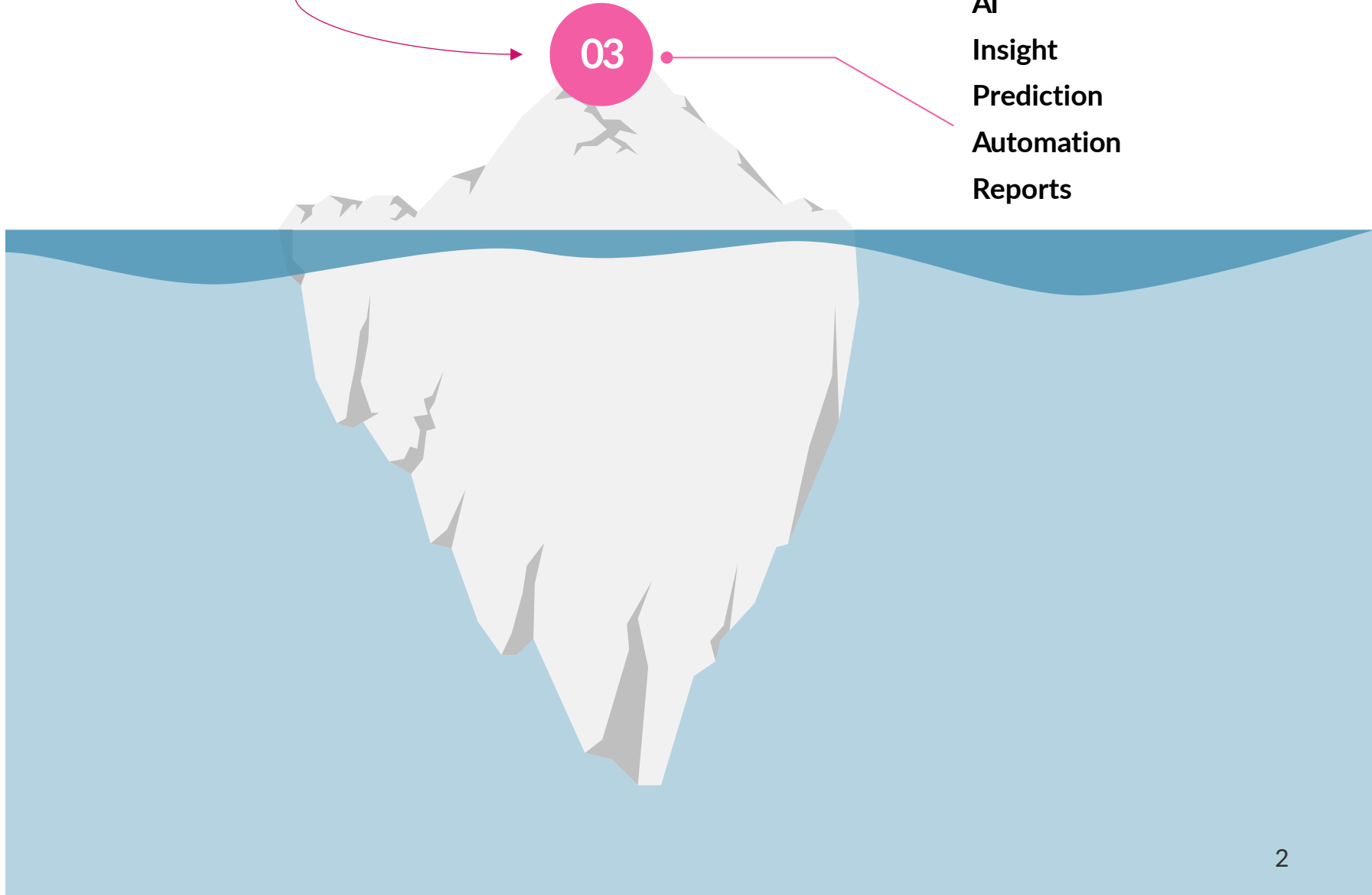


# Enterprise Data Catalogue

External Communication

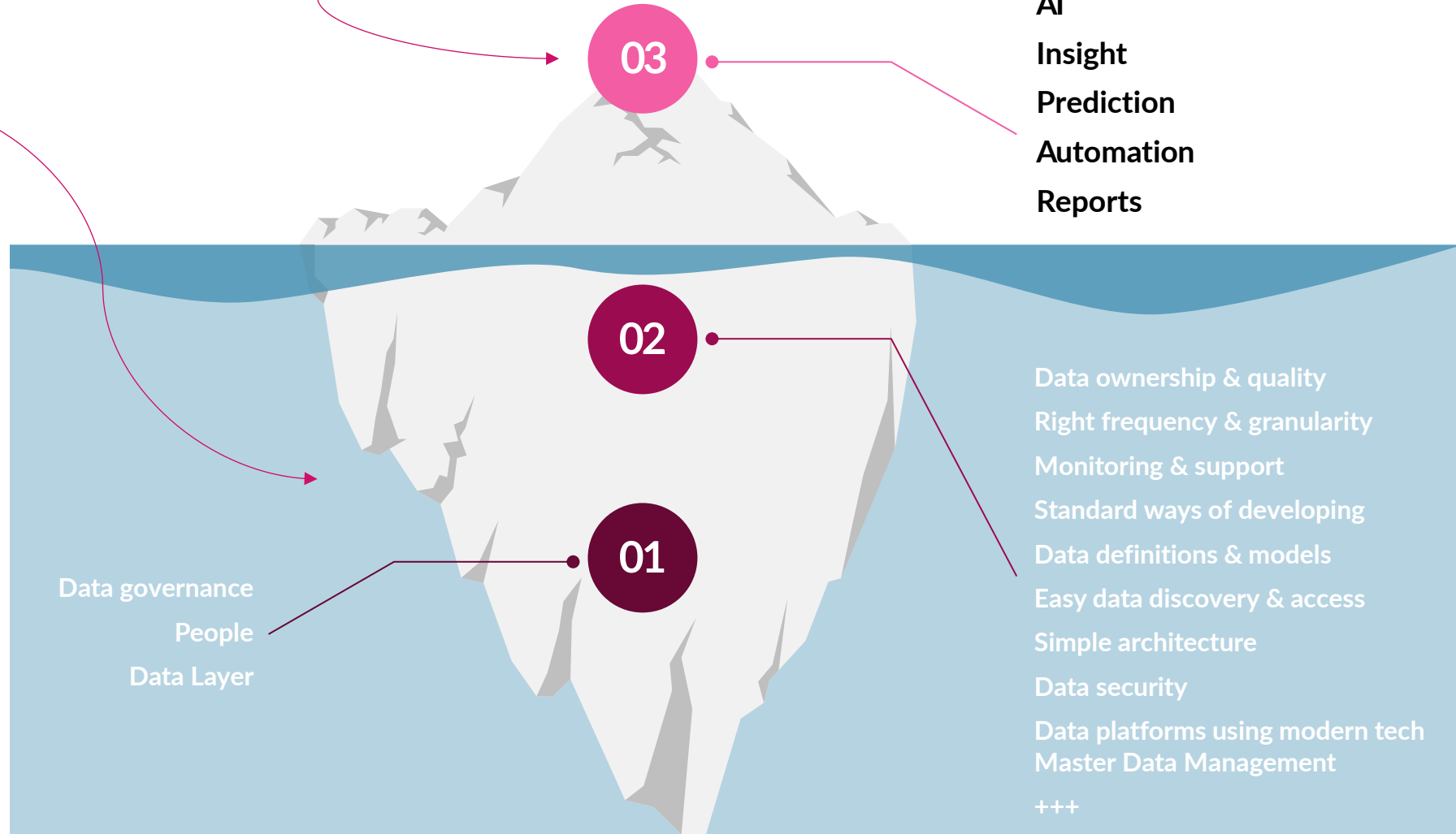
# To make this happen



AI  
Insight  
Prediction  
Automation  
Reports

To make this happen

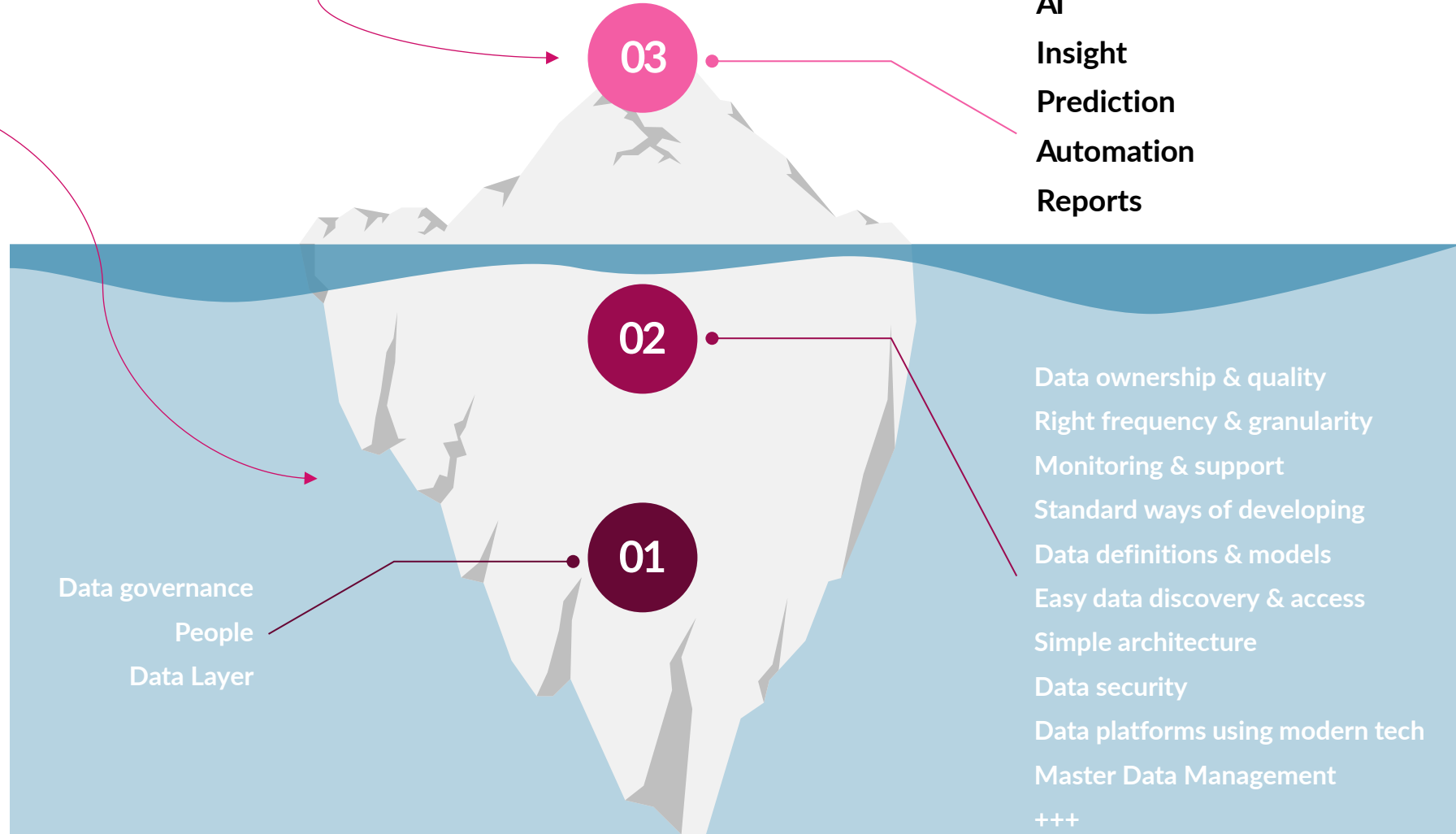
We need this



To make this happen

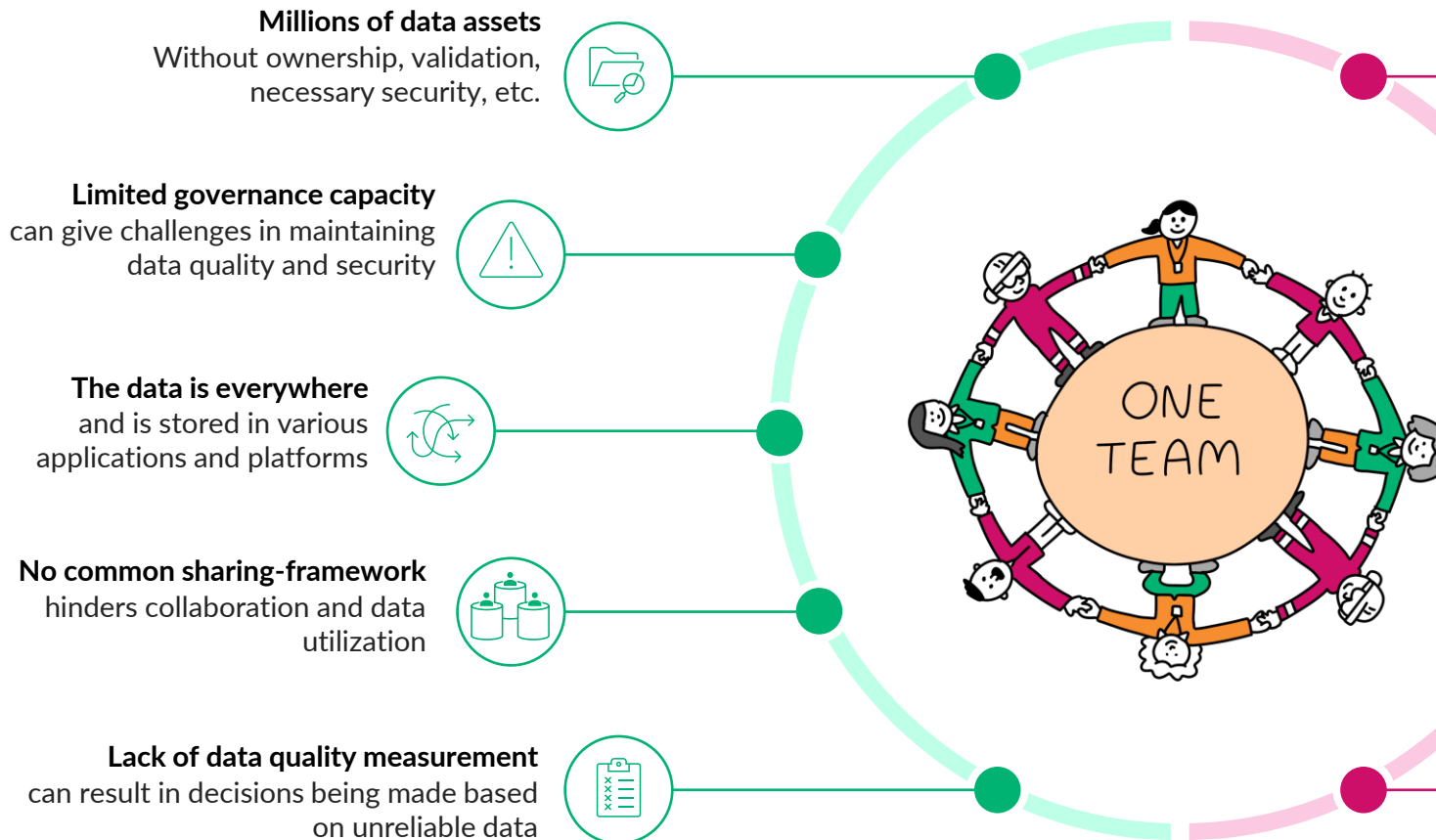
We need this

*Challenges are mostly here!*

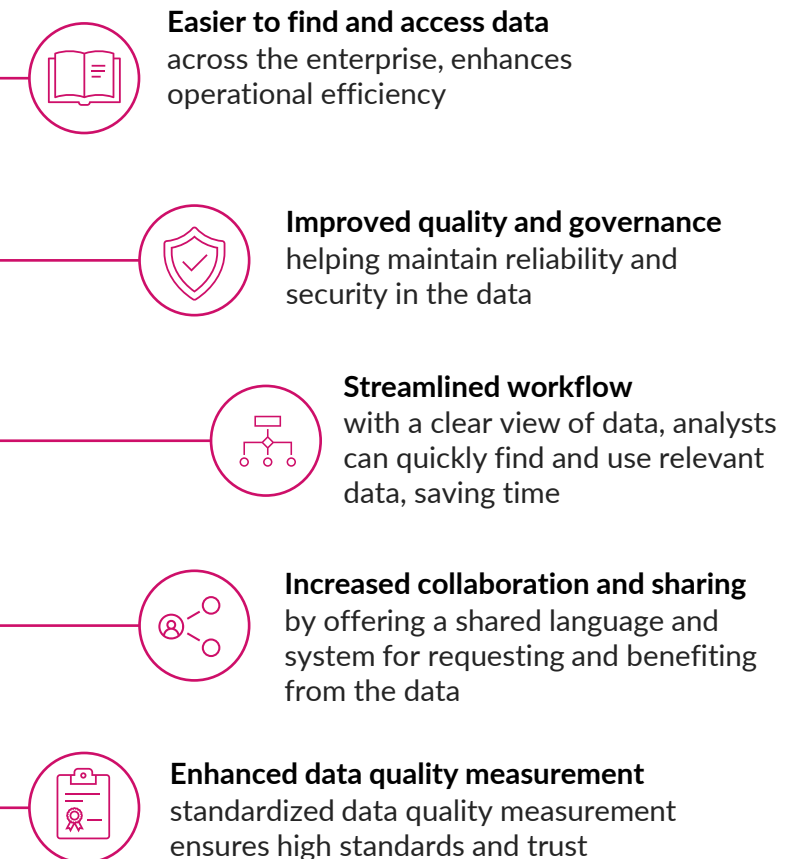


# Todays vs. future situation

## Today's situation



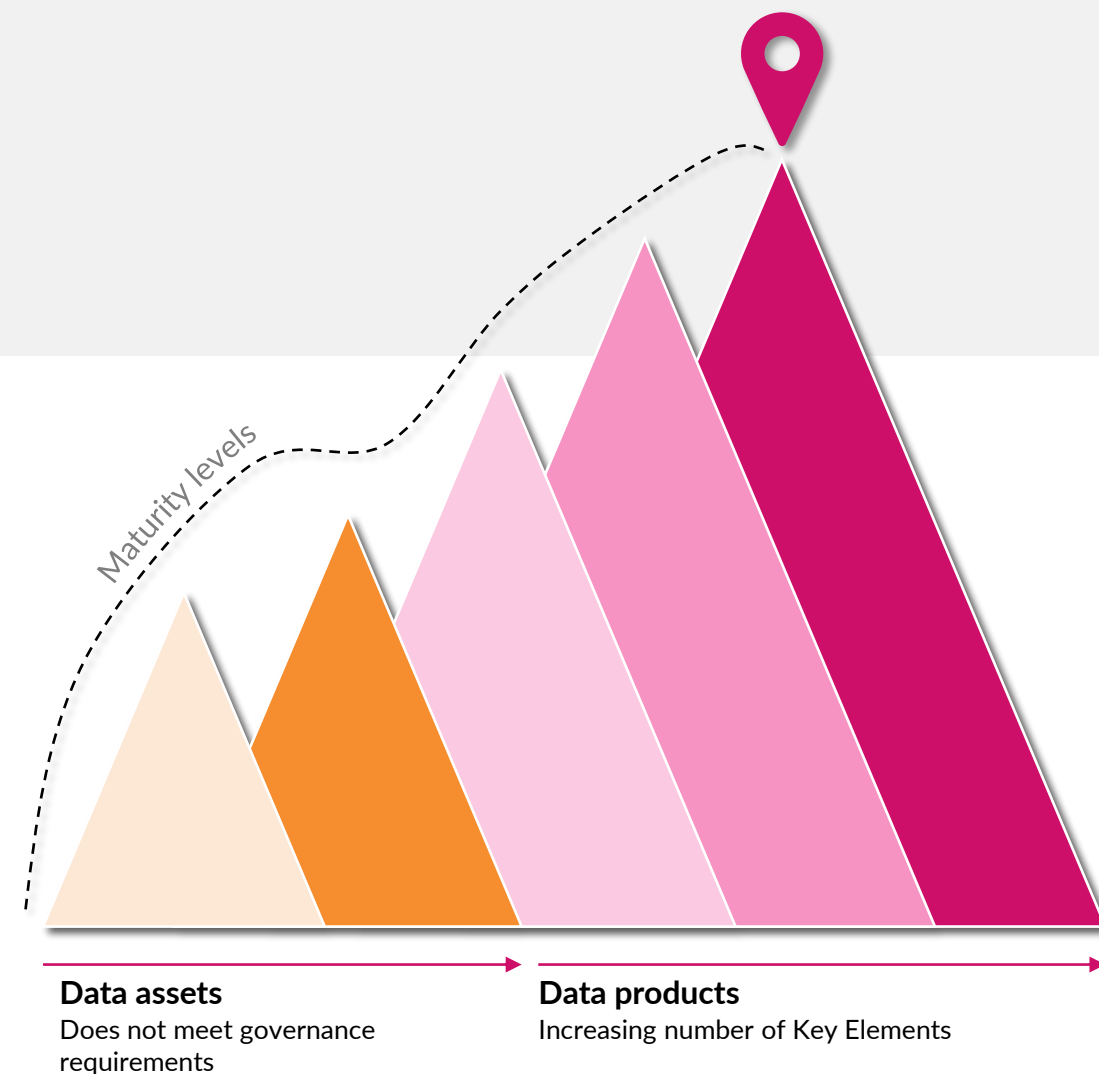
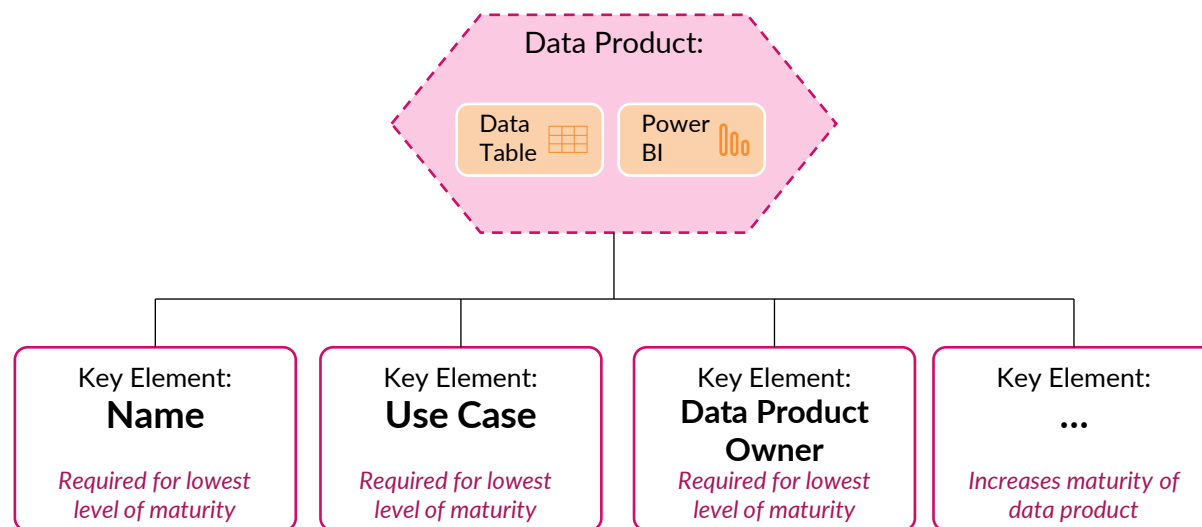
## Future situation



"A Data Product is a data or analytics deliverable, to cover a need, using our common Governance Framework"

# Data Product

A journey of maturity

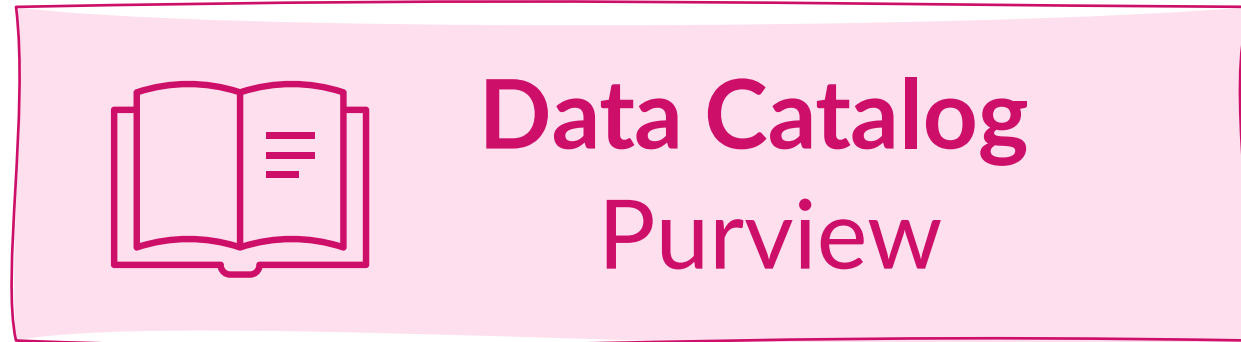


## Market Place

A place where you can find and search for all the data in Aker BP

## Request Center

A place where you can request access to the data you need



## Subscription

A place where you can subscribe to relevant data and receive notifications about updates

## Goal

**Help you find and understand the data in Aker BP**



**Who owns this data?**



**How can I access it?**



**What is this data?**



**What is it used for?**



**What is the quality?**

---

## You can find..

Reports



Datasets

Semantic models



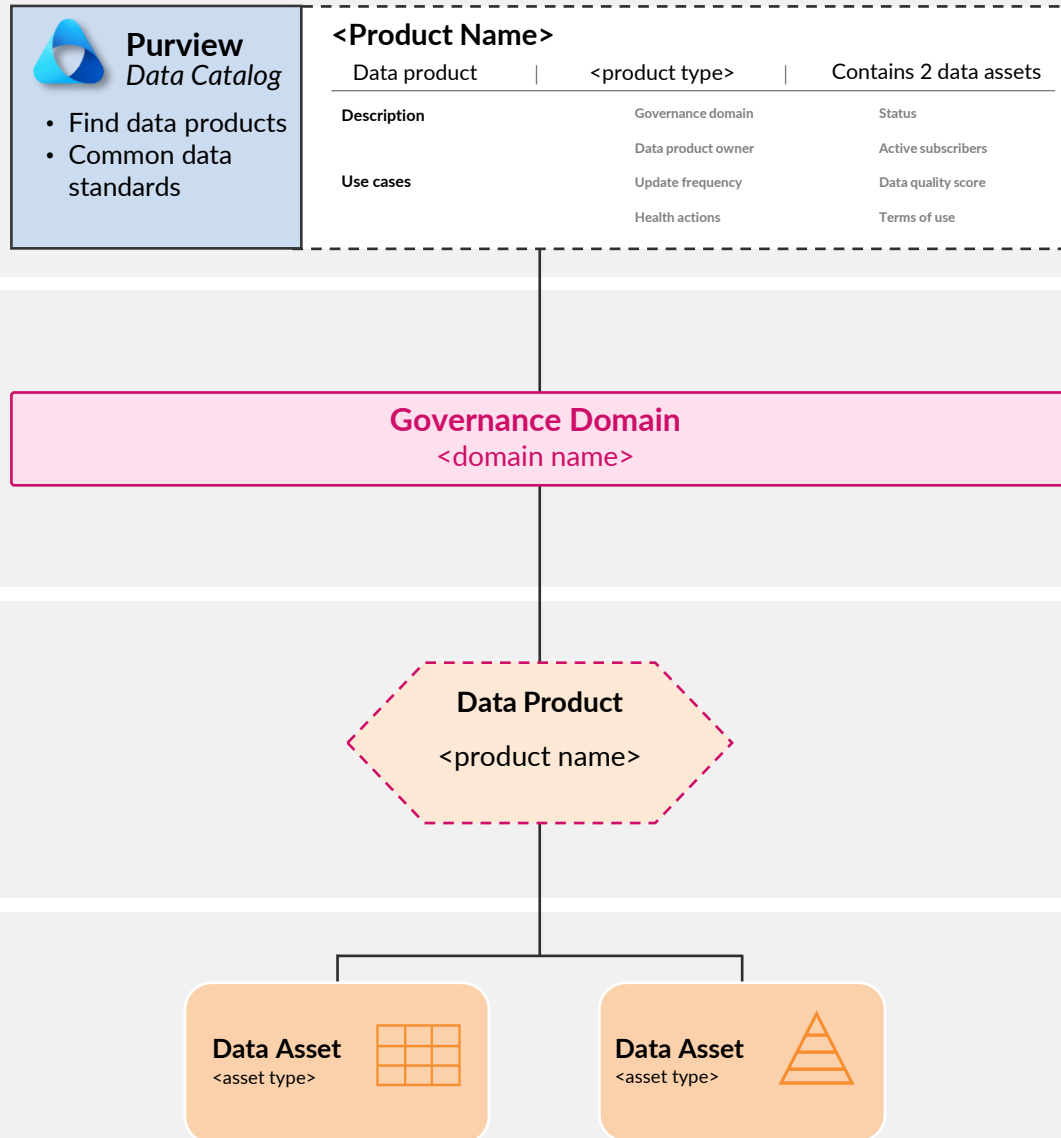
Databases

Tables



And much more!

# Discovering data in the enterprise data catalogue



## Discovered and used by Data Catalog Users

- Search and discover data
- Request access

## Governance Domains are governed and managed by Governance Domain Owners

- Strategic view
- Manages portfolio

## Data products are governed and managed by Data Product Owners

- Approve/reject access to data
- Maintain and update information
- Improve

## Data assets are built, monitored and maintained by different teams or individuals

- Provide access to data
- Transform data
- Quality actions
- Pipeline monitoring

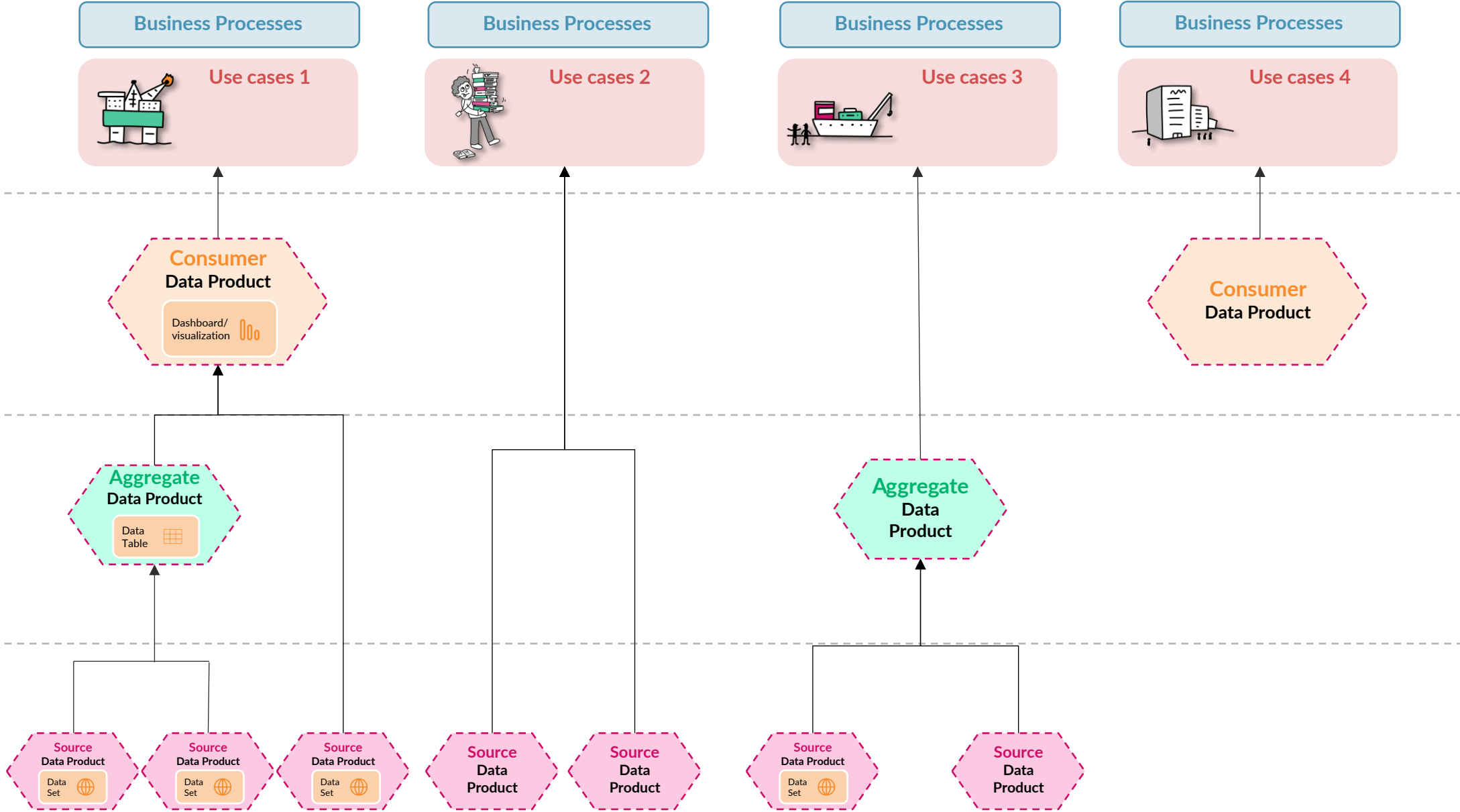
# Ownership can change from source to consume

**Use cases**  
Specific needs for data out in the business

**Consumer aligned**  
Data products that is highly visible to the business, often used directly to support decisions and processes

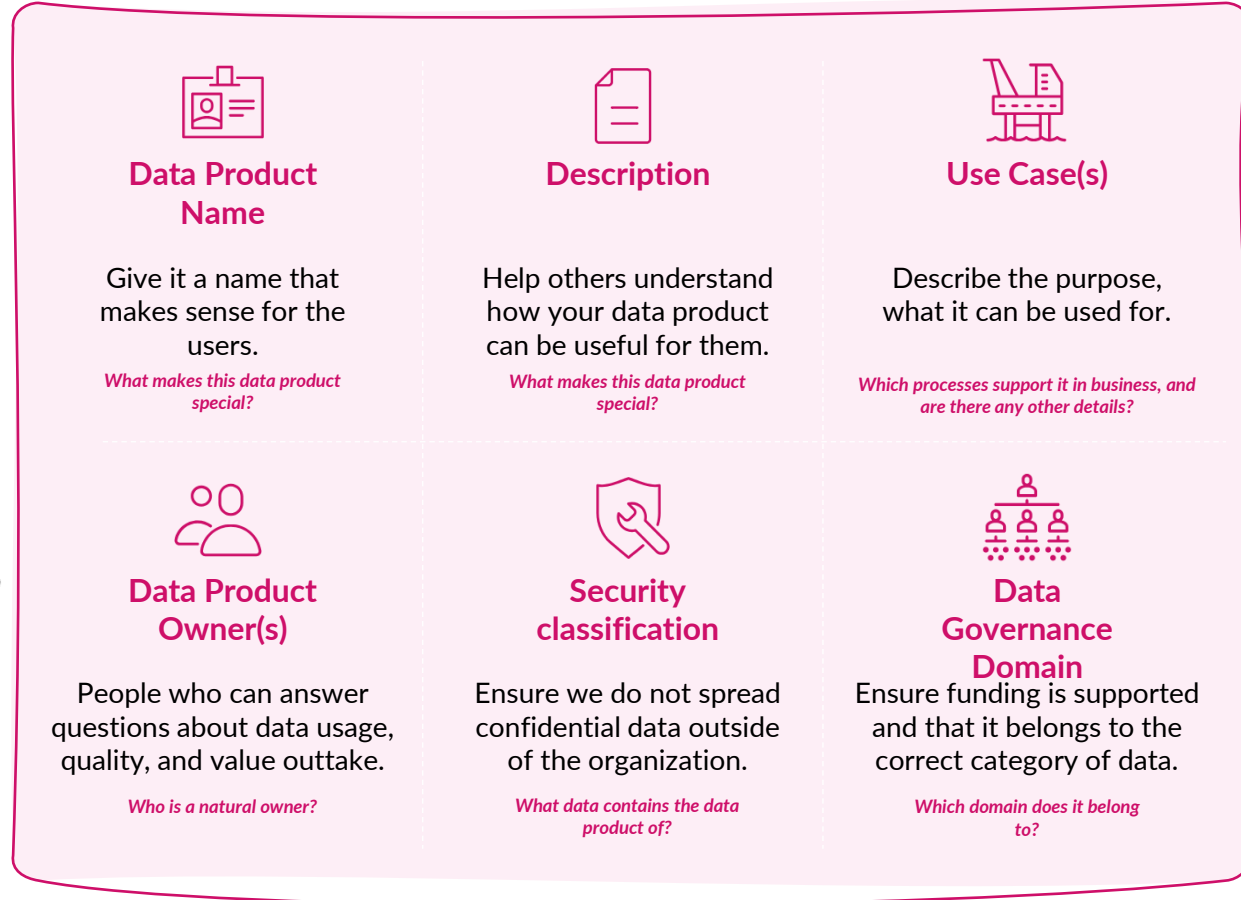
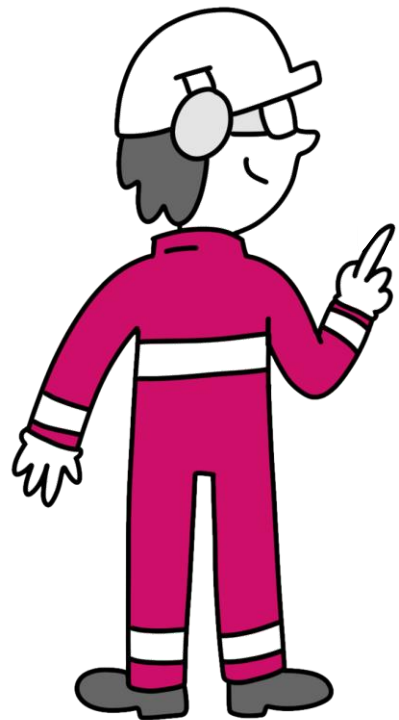
**Aggregate aligned**  
Data Products enriched and aggregated to meet various business needs, with source data standardized into a common format

**Source aligned**  
Data products maintaining the original format of the source system with minor adjustments for clarity



# Quick start the data product journey!

With very few simple steps



You can now register your Data Product in Purview!



*Make it manageable and discoverable!*

# The data product is published. How do access to data products work?

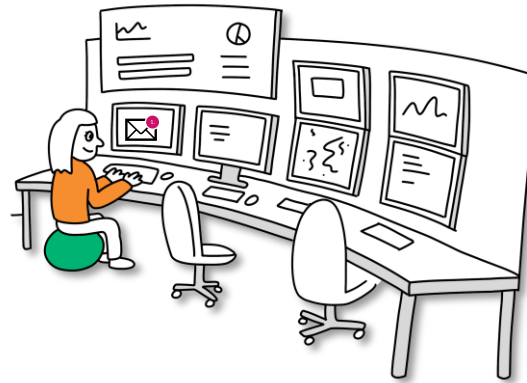
## 1. Request access



### Data User/Requestor

Someone request access to the **published** data product in Purview data catalogue

## 2. Manage access



### Data Product Owner/Access Provider

An email notification is automatically sent to the Data Product Owner or Access Provider, or both, depending on the policy setup. The data product owner get overview over who has requested data.

*If both are chosen, the data product owner must approve first, then the access provider grants the actual access and completes the request.*

Can work on behalf of Data Product Owner to provide access to the physical data

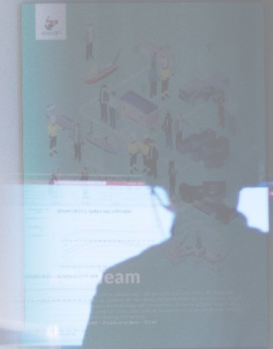
## 3. Removal of access



### Data Product Owner/Access Provider

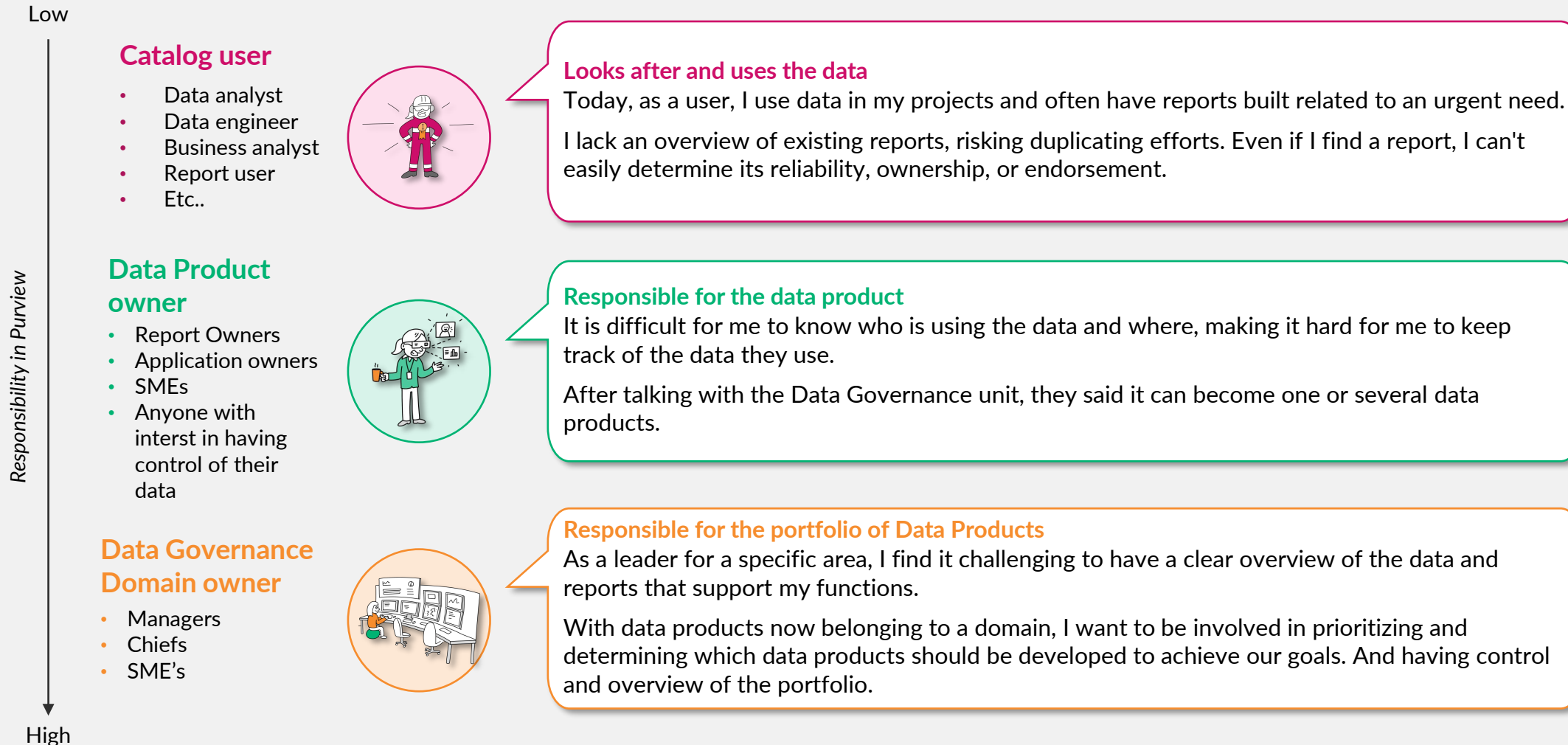
The data access provider or data product owner notifies the data user/requestor that access has been removed.

# Introducing Key Roles



# With the roles in Purview, we will get dedicated owners with different responsibilities

With diverse needs



# Data Product Owner



## About Data Products

Data Products are just a **container that makes data discoverable in our common data catalogue**, where additional information is provided to the data such as description, use case, name, owner, and so on.

## Examples of products:

*Contract Spend, Zone Logs, Well Trajectory,*

## Key Information

### » It is not a full-time position

Being a data product owner is not a full-time position, once the product is registered it only need attention when changes occurs or if anyone request access. It is up to the data product owner to choose if more data governance capabilities must be added.

### » Who is the Data Product Owners?

Chiefs, SMEs, application owners, domain experts, data management specialists, that wants better control of the data and its use.

## Key Responsibility



Translator between business and technical ensuring business needs are correctly translated to technical resources



Decides who can use the data product and for what purpose, delegate to separate data access providers if needed (for instance from DIGE) to provide physical access to data



Responsible that the data product serves its use case throughout the lifecycle



Have in-depth knowledge of which business needs the data product serves, such as use cases, processes it supports in BMS, or similar



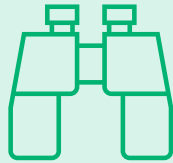
Is responsible for ensuring it complies with the minimum required by the data governance framework



Potential  
Data Product  
Owner

Public

These are some of the benefits I can realize when we transition to data products and a data catalog



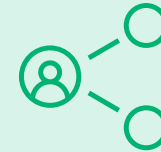
### Overview of use

Through the data catalog, you can get a better overview of where your data is used.



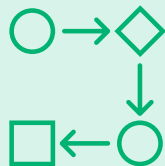
### Terms of use and contract

Add 'terms of use' where data requesters specify their intended use and agree to the usage terms.



### Control access

Take ownership of the source data/data sets and control access by defining permissions and monitoring usage.



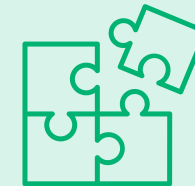
### Standardizing

Through common processes, technologies and framework. Once within this trinity we can improve by focusing on data product capabilities.



### Reduce direct queries

Reduced number of direct queries to the application, extracts are made available in Fabric at defined intervals.



### Define use cases

If the desired data isn't available, define its use case and register it as a product. Bridging data with business value realization.

# Data Governance Domain Owner



## About Data Governance Domains

Data Governance Domains are logical groupings of data. It is used to govern a portfolio of data products. Making it easier to scale governance practices and provide context for the products.

## Examples:

*Drilling & Well, Supply Chain Management, Health, Safety & Environment, etc.*

## Key Information

### »» At least two owners

Should be at least one with strategic business view and one with execution responsibility, could commonly be an SME for the domain

### »» Establish governance

We use Data Domains for establishing governance and management of a portfolio of data products throughout its lifecycle.

## Key Responsibility



Plan and prioritize data products to align with strategic goals



Ensures that continuous ownership is in place for each data product within the portfolio



Managing incoming requests for data products needed from the domain to support other data products in different domains



Assign data product owners when needed



Might introduce glossary terms, standards or policies that are specific for that domain



Public

These are some of the benefits I can realize when we transition to data products and a data catalog

Potential Data Governance Domain Owner



### Key role in Aker BP's data-driven transformation

By managing the domain and ensuring the right data products meet business needs, Aker BP becomes more data-driven.



### Strategic planning for your domain

Plan and prioritize which data products your domain needs to achieve business goals and strategies.



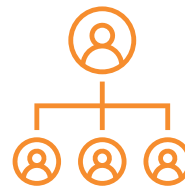
### Highlight essential standards and policies

Decide and highlight taxonomy and guidelines, providing valuable context and standards to data if needed.



### Strengthen collaboration

Work closely with various domains and teams to develop and manage data products that align with business needs.



### Empower the right people to own data products

Allows to ensure the right people are in charge, leading to better data management and strategy for the domain.

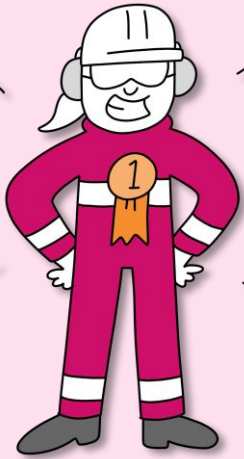


### Improved efficiency

Improve operational efficiency by ensuring that data products are well-managed and easily accessible to the right people

Today, as a user of data, I use data in my project and often have reports built related to an urgent need.

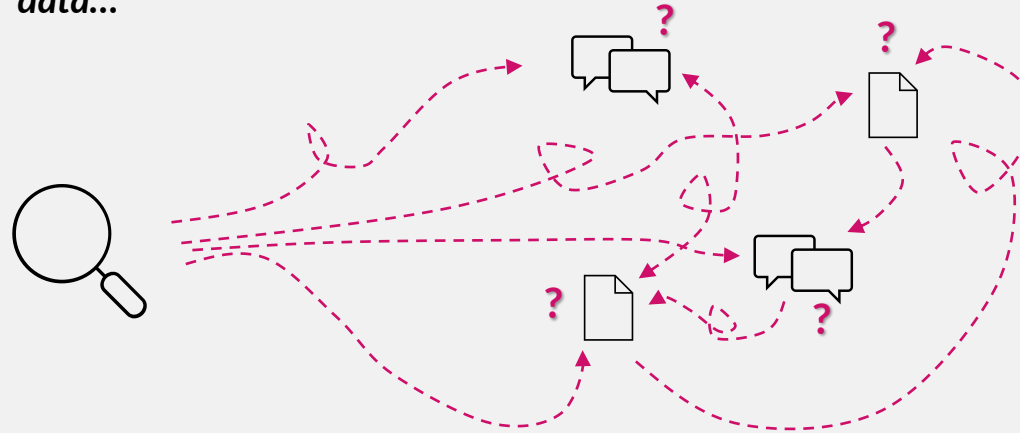
I lack an overview of existing data. Even if I find data, I can't easily determine its reliability, ownership, or endorsement.



**Today's role:** Data analyst, data engineer, business analyst, report user etc.

**Future role:** Catalog user

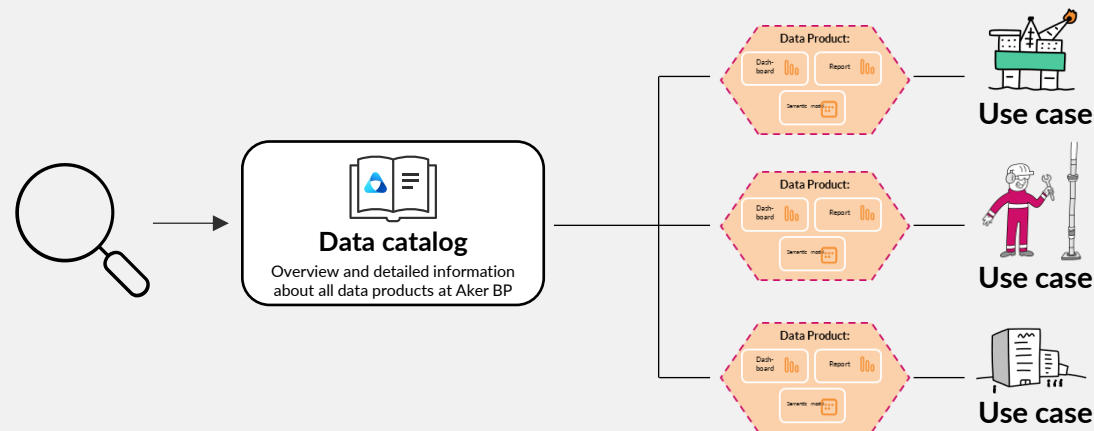
*This is how I experience the current situation when looking for specific data...*



To sum up the situation today, I wonder:

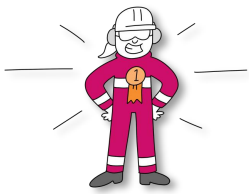
- Does the data I need exist?
- Where can I find the data?
- Who are responsible?
- How is the quality?
- What can the data be used to?
- Who can I talk to get more information?

*This is how it will look like with data products and a data catalog...*



To sum up future state, I now know:

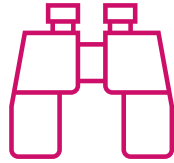
- Where to look for data
- Responsible for the data product
- Details about the available data products
- How I can get access
- Governance, security, terms of use



Catalog user

Public

These are some of the benefits I can realize when we transition to data products and a data catalog



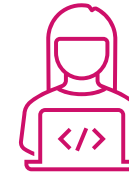
### Overview of available data products

Through the data catalog, you can get a better overview of the available data products.



### Better understanding of data

The data catalog offer context like descriptions, calculations, metadata, and user comments, making data easier to understand.



### Save time with self-service

Data products and the catalog simplify data access, eliminating the need for multiple departments or approvals.



### Increased trust in quality

Increase trust in data quality by ensuring accuracy, transparency, and consistent governance.



### Data-driven decision making

Enhance data-driven decision-making by providing structured, accessible, and reliable data.



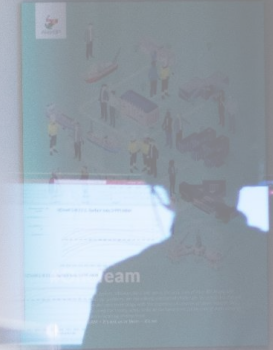
### Know for sure who is responsible

Clearly defined roles and responsibilities ensures accountability and easy identification of data owners.

Let's Demo Purview!

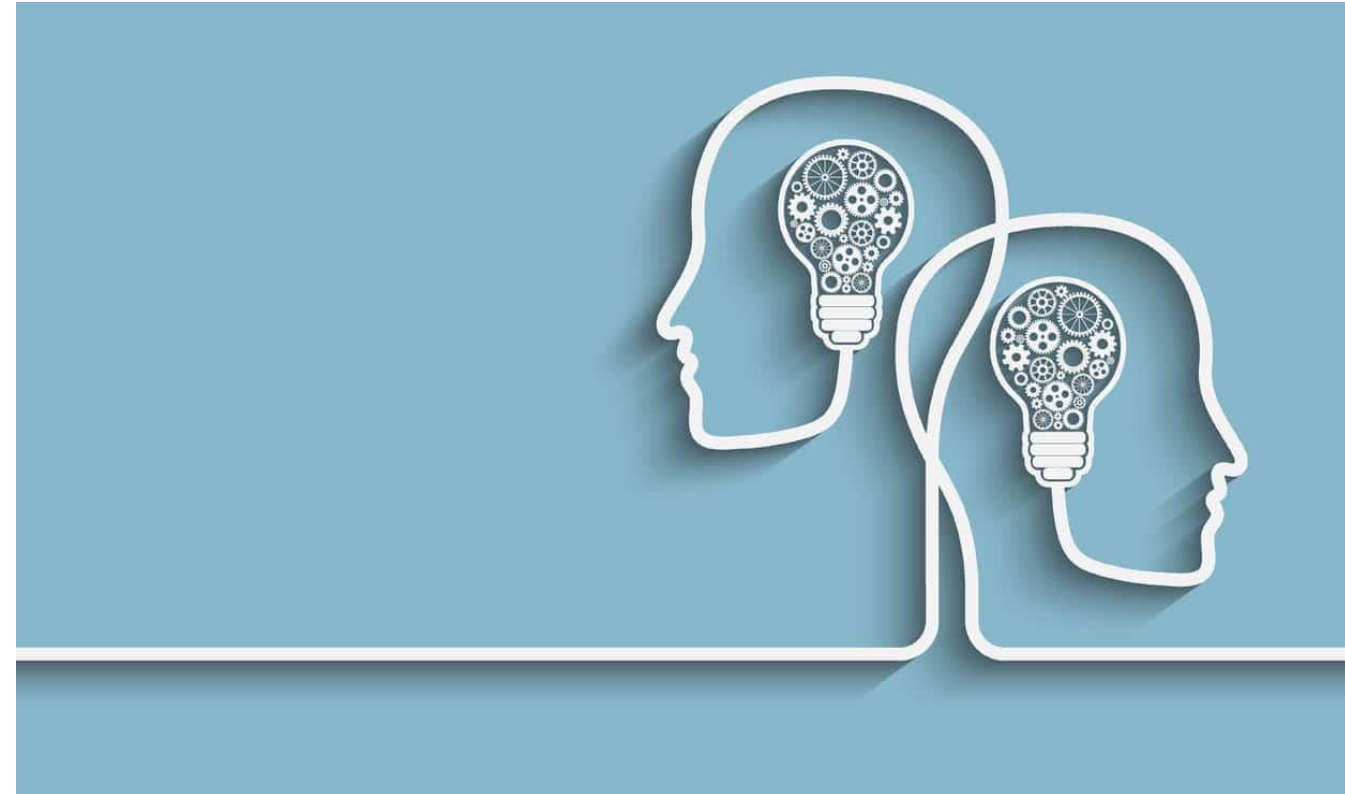


# Key Takeaways for success



# Key Takeaways

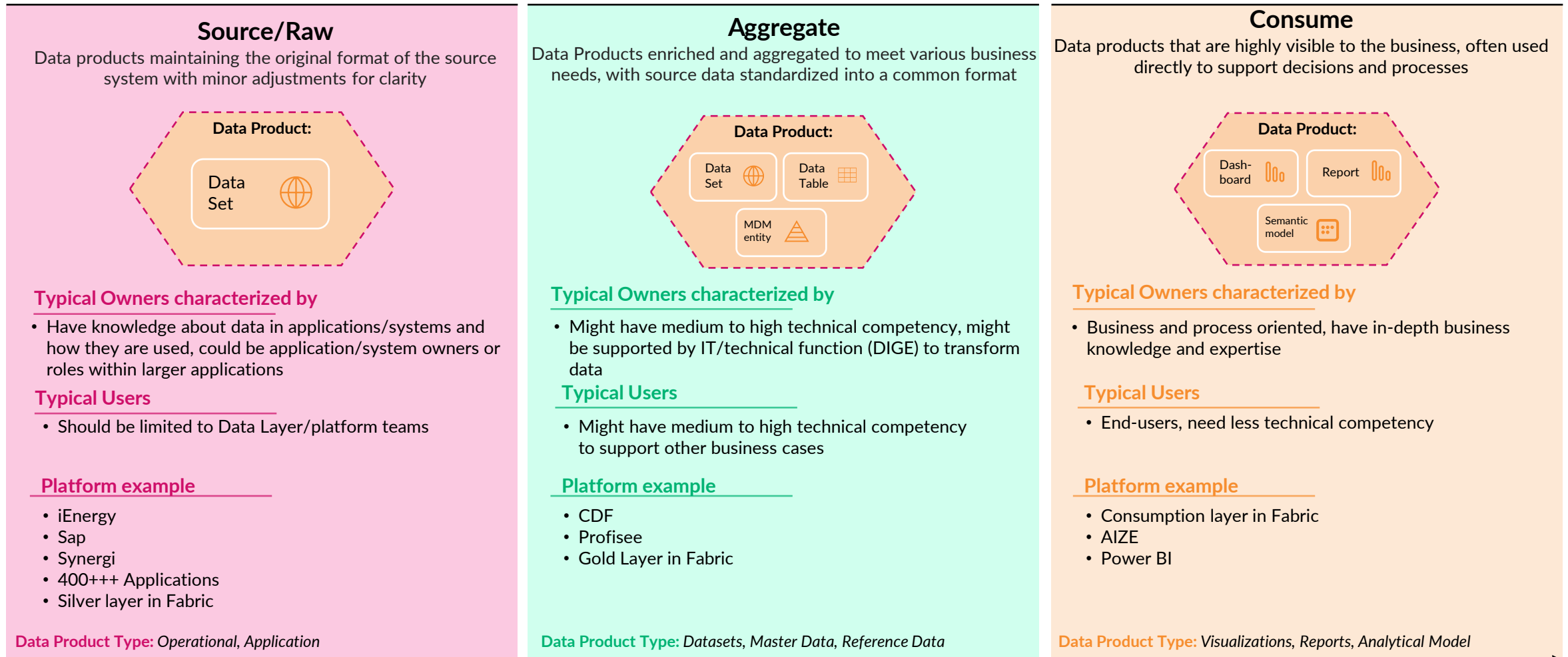
- Start simple and mature to meet cultural change
- Once data products has been registered in the data catalogue you get one overview and one starting point to improve
- Enable the data catalogue adoption by:
  - Create and align processes
  - Proper communication and support
  - Start small with some simple data products to highlight the benefits and value
  - Include it in the corporate strategy to elevate the prioritisation of initiatives and importance
  - Build a data governance framework that covers capabilities also outside the data catalogue
  - Make it an integral part of the enterprise architecture vision





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# We have three main classifications of Data Products



Increasingly refined →