#### Domain

<Source-System>

<Domain>

<Data Product>

#### Data Product

<Input Port> —O—

Input ports define the

format and protocol

in which data can be

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read (db, file, API,

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Consumer

Who is the customer of

the Data Product?

Use Case

We believe that <....>

Will help achieving <...>

We know, we are getting

there based on <...>, <...>

# Data Product Design

Describe everything you need to design a data product on a conceptual level.

Ingestion, storage, transport, wrangling, cleaning, transformations, enrichment, augmentation, analytics, SQL statements, or used data platform services.

## - Output Port(s)

<Output Port> Output ports define the format and protocol in which data can be exposed (db, file, API, visualizations)

#### → Metadata

<Ownership>

Domain, data product owner, organizational unit, license, version and expiration date



Attributes, data types, constraints, and relationships to other elements



Description, logical model

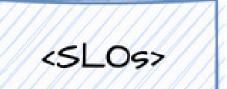


Security rules applied to the data product usage e.g. public, org. internal, PII attributes

### -0 Observability

<Quality Metrics> Requirements and metrics such as accuracy, completeness, integrity, or compliance to Data Governance policies.

<Operational Metrics> Interval of change, freshness, usage statistics, availability, number of users, data versioning etc.



Thresholds for service level objectives to set up alerting

### Classification

The nature of the exposed data (source-aligned, aggregate, consumer-aligned)

## Ubiquitous Language

Context-specific domain terminology (relevant for Data Product)

Data Products polysemes, which are used to create the current Data Product

Data Product Canvas

datamesh-architecture.com