Domain	Data Product	Date

<Source-System> — <Input Port>

Input ports define the format and protocol in which data can be read (db, file, API, visualizations)

<Domain> <Data Product> — <Input Port>

Input ports define the format and protocol in which data can be read (db, file, API, visualizations)

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

<Schema> — Attributes, data types, constraints, and relationships to other elements

<Semantics> — Description, logical model

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

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.

<SLOs> — Thresholds for service level objectives to set up alerting

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 <...>, <...>, <...>

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