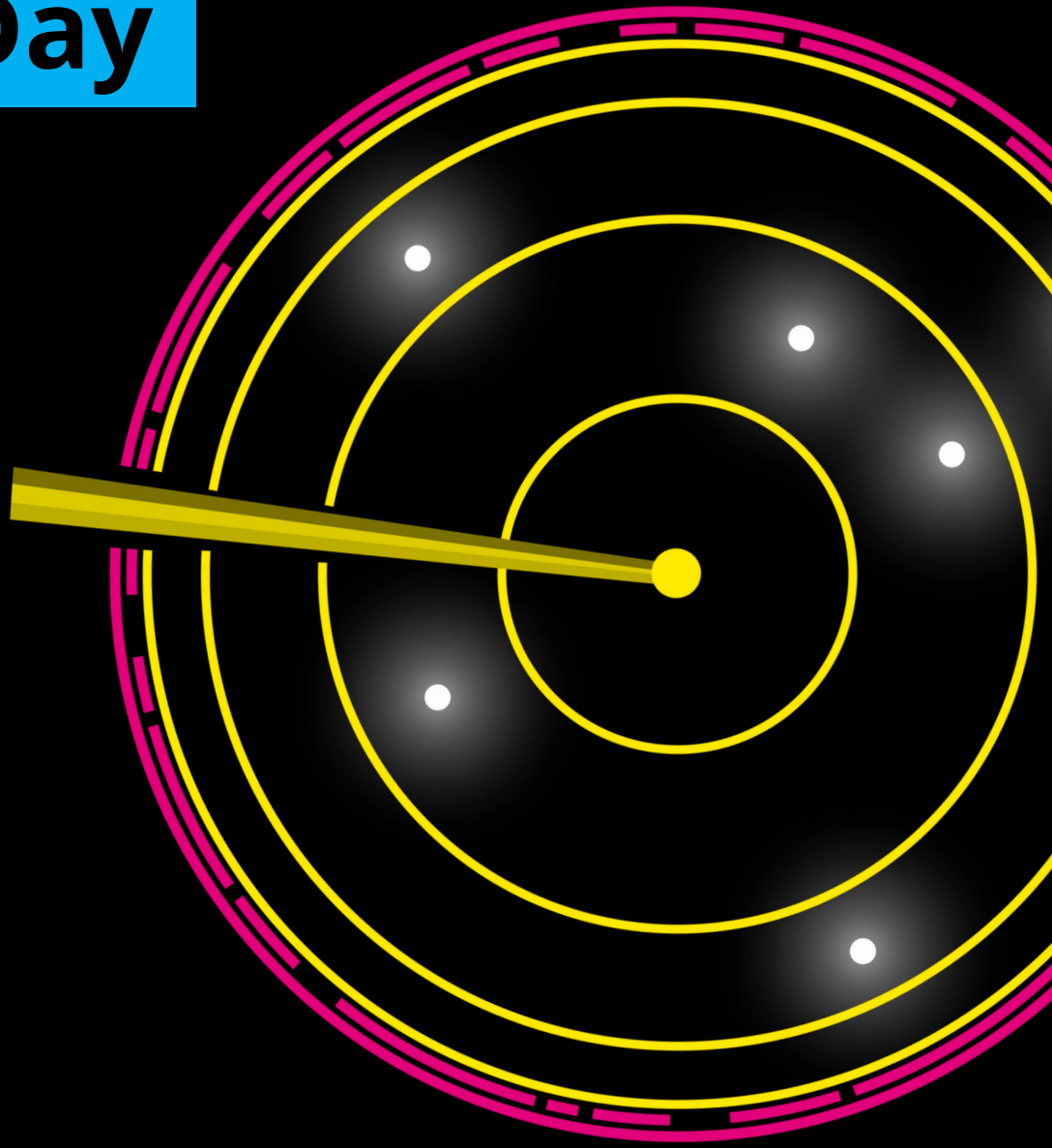
Data Spaces Discovery Day

October 19, 2023 | Vienna

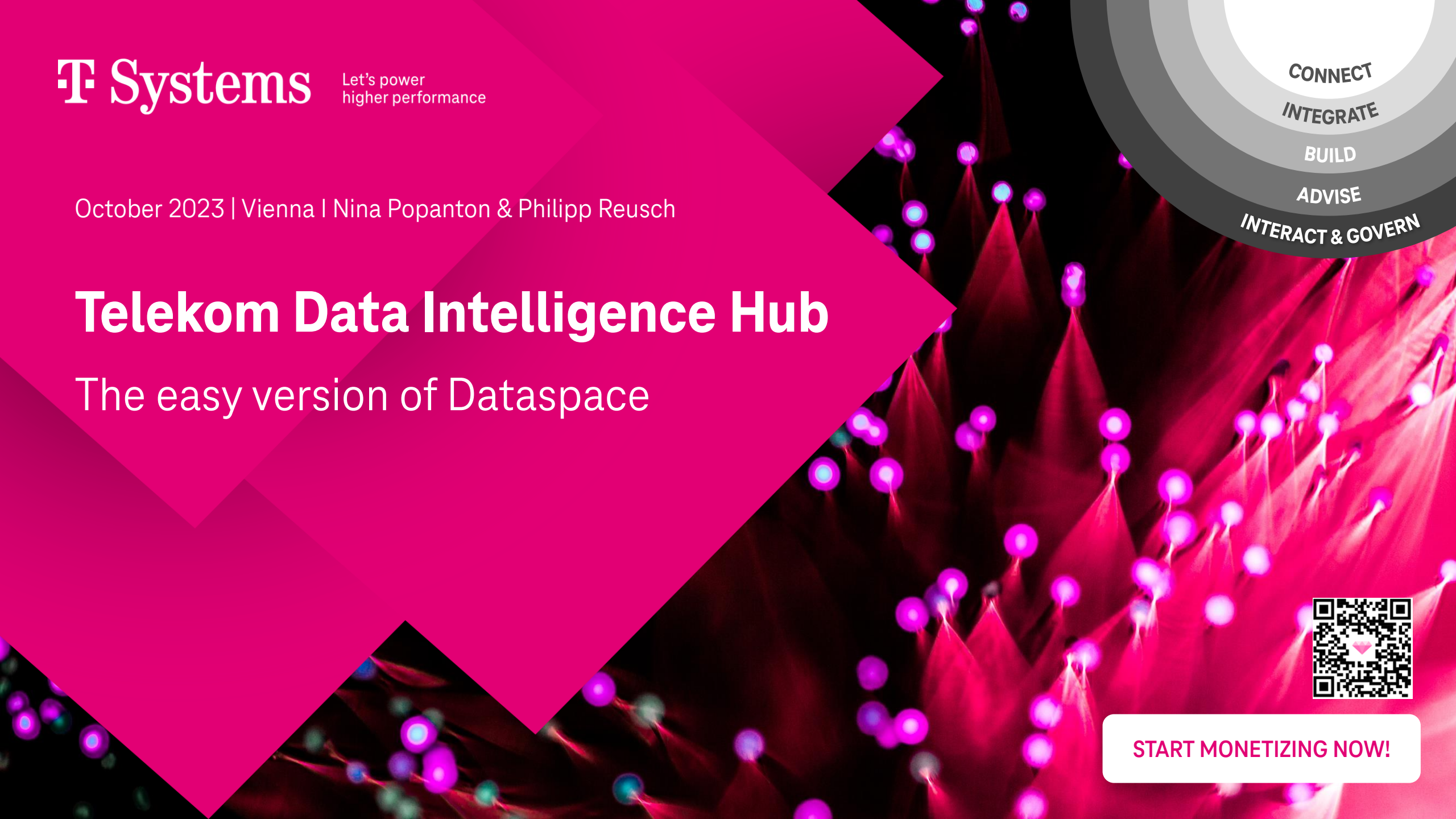


Telekom Data Intelligence Hub
The easy version of Data Space

Philipp Reusch & Nina Popanton
Telekom Data Intelligence Hub
T-Systems International

T Systems

Let's power
higher performance



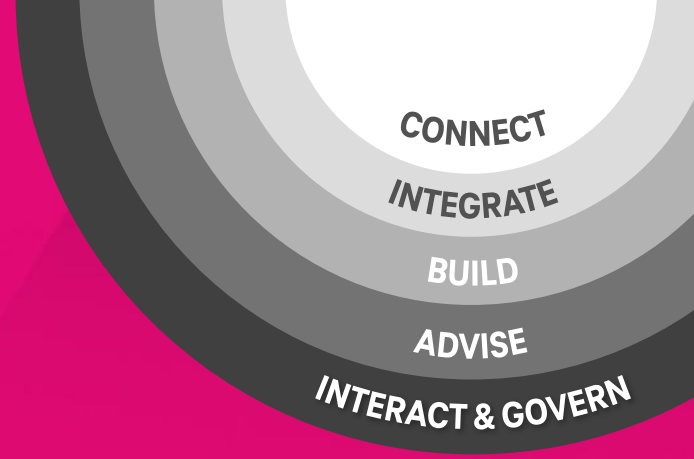
October 2023 | Vienna I Nina Popanton & Philipp Reusch

Telekom Data Intelligence Hub

The easy version of Dataspace

START MONETIZING NOW!

Agenda



01 Why Dataspaces ?

02 Dataspaces I we make it easy for you

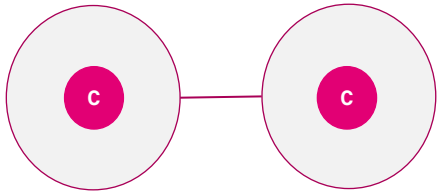
03 Connecting is not enough I Dataspaces in practice

04 Let's get practical I Live demos

05 Next steps, Q & A

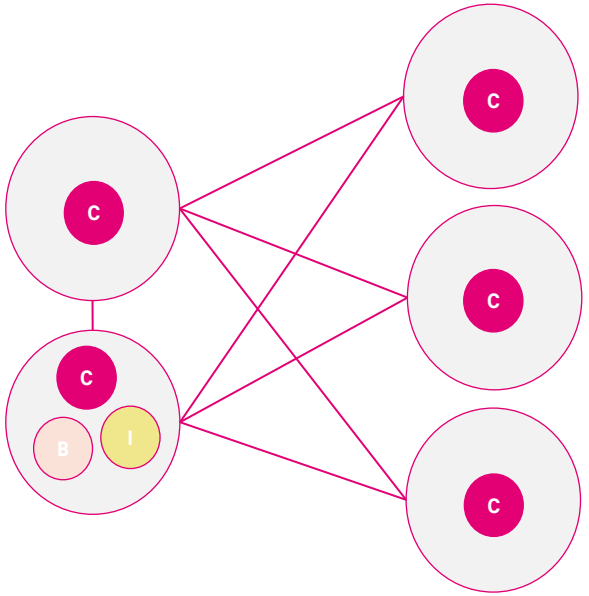
New approach for sharing | Data Ecosystems

I „One to One“



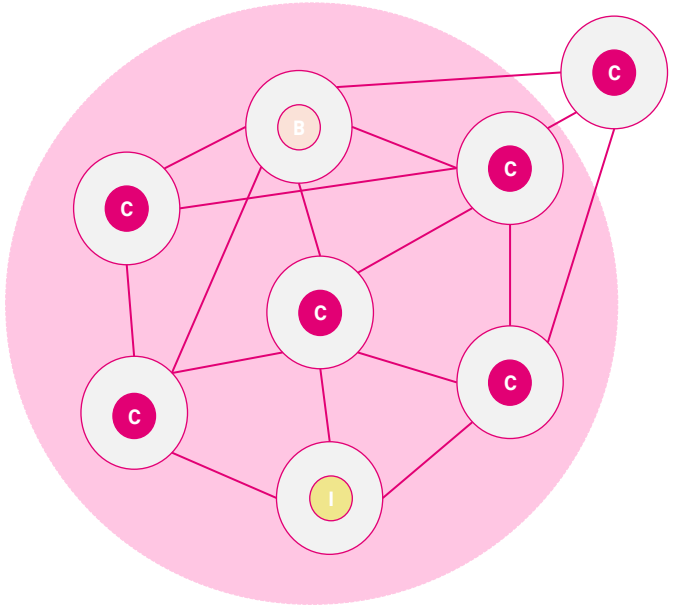
Bilateral Data Exchange

II „Few to Few“



Closed Community Data Sharing

III „Many to Many“



Open & Collaborative Data Ecosystem

Catena-X
Automotive Network

C I B Examples for companies

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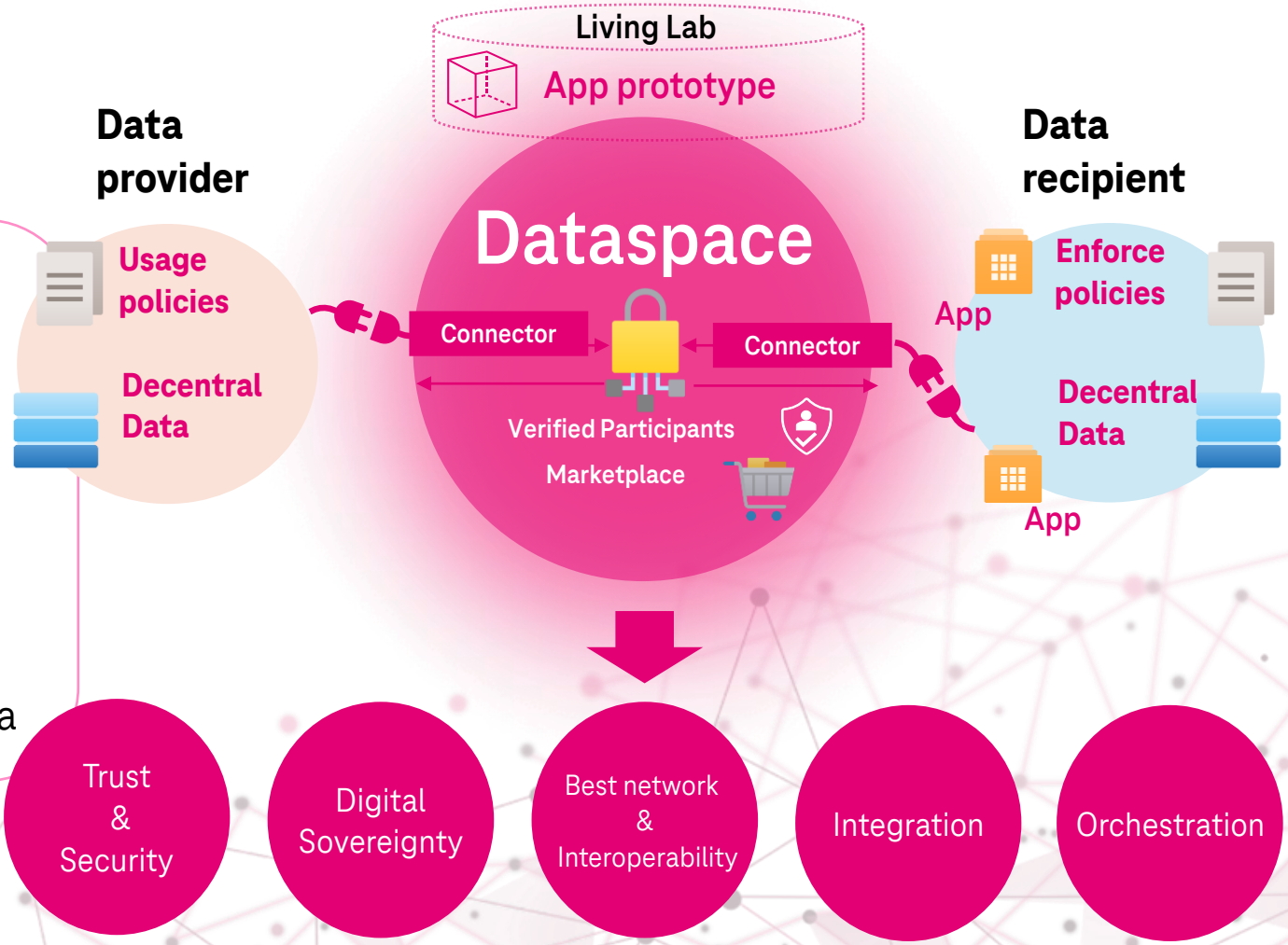
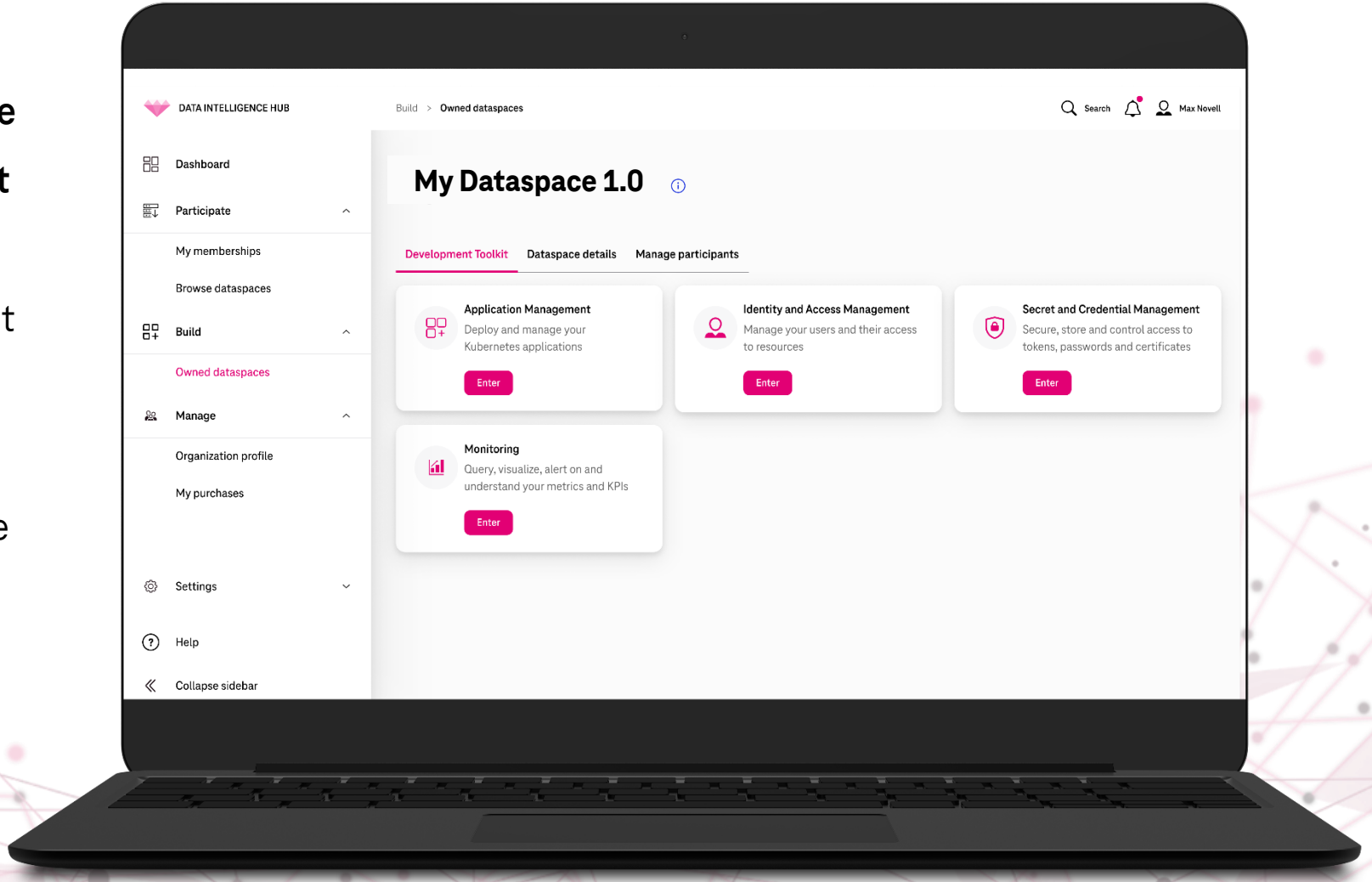
Why Dataspaces | Unlock value of your data

- **Decentralized infrastructure**
  for trustworthy data sharing in ecosystems
- **Data sharing and exchange**
  with full data souvereignty for your business
- **A better digital culture**
  where users follow the new rules, ethical use of data

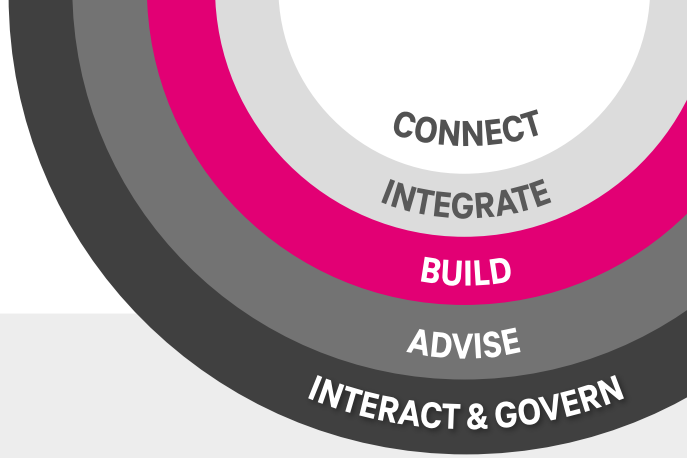


Dataspaces | we make it easy for you

- User-friendly **self-service user interface**
- Easy access to the **development toolkit**
  - Identity and access management
  - Secrets and credential management
  - Application management
  - Monitoring
- Built-in **participant validation** to secure a trusted space with **DIH Digital.ID**



Build | App Development

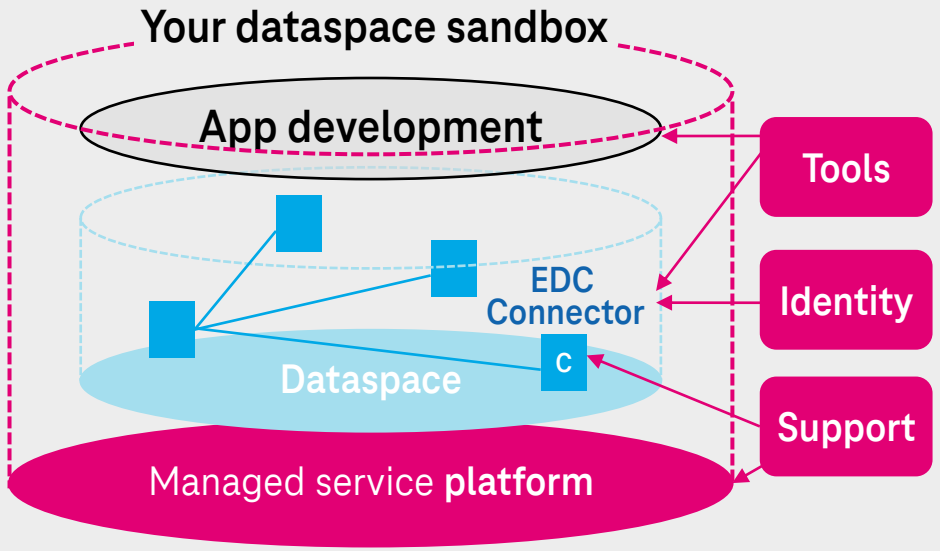


Target Group

Companies of all sizes
App Builders

Features

- Upgrade existing apps or create new to **benefit from dataproducts**
- **You focus on your apps** - we maintain the dataspace that powers it
- Based on Semantic Web technology for dataspaces
- managed service with minimal effort
- **Support** for **App conceptualization** (e.g. semantic modelling) and development (e.g. frontend design)



Speed up time to market with best-in-class data sovereignty protection

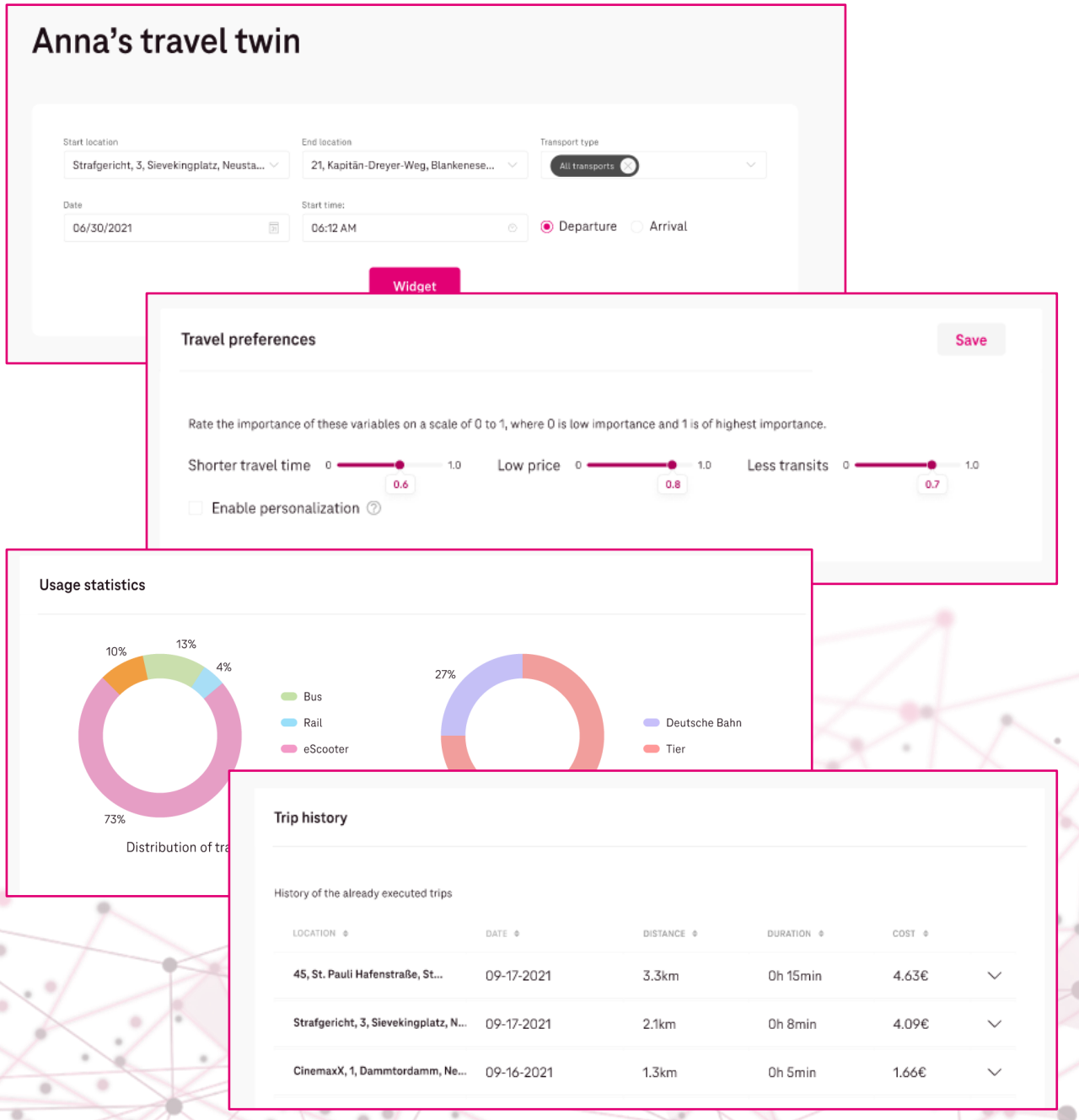
Intermodal Travel APP

PROBLEM

- Huge variety of mobility apps on market , users have to compare offers themselves and register everywhere
- People wish for simple **mobility "from one source"**

SOLUTION

- **Mobility platforms** as a tool for an integrated mobility offer
- Only **one registration for usage, booking and paying**



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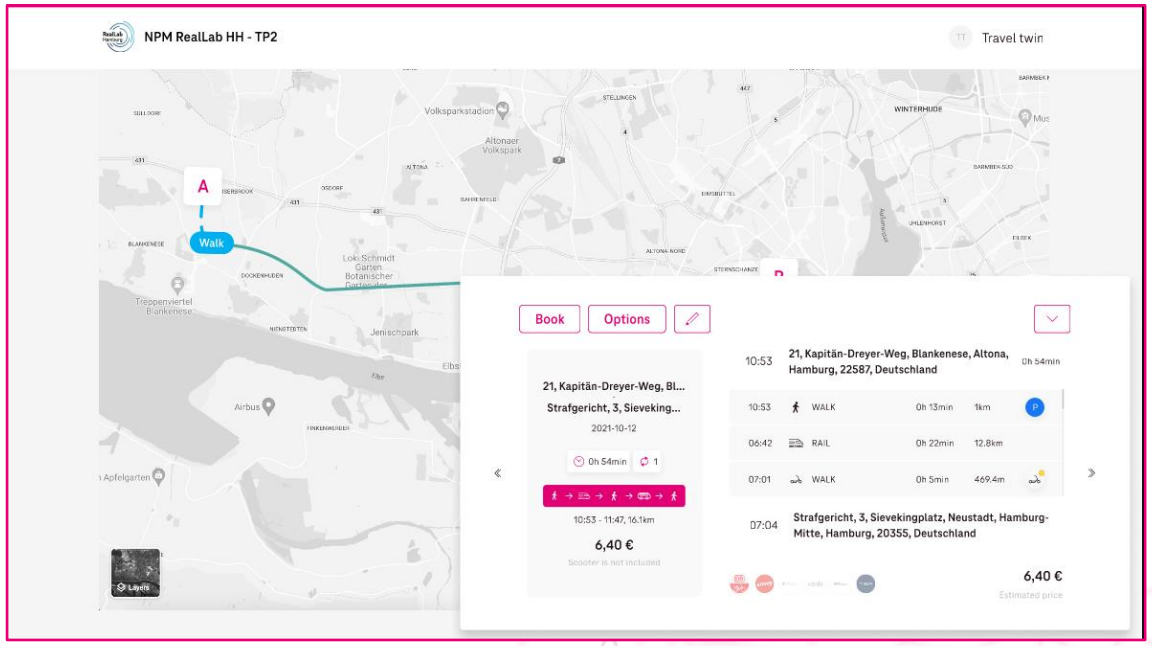
Intermodal Travel APP I Importance of Dataspaces

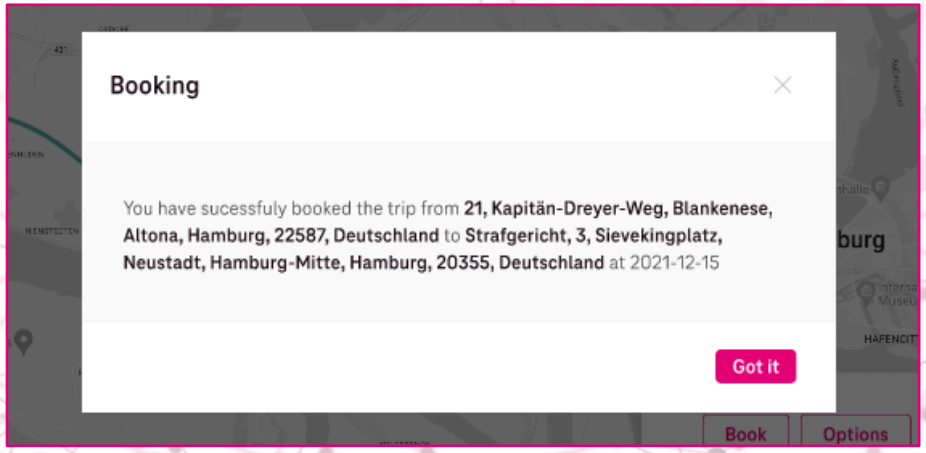
DATASPACE

- provision of various mobility services in one app **requires cooperation between mobility service provider**
- **Dataspaces** with standards for data exchange help to **create trust** in transactions with specific customer data

OUTCOME

- Telekom Data Intelligence Hub developed an **artificial travel agent simulator** including
  - an intermodal travel planning calculator
  - a personalisation engine
  - a digital twin with end-user profiles
- Demonstrator **based on real dataspace from Telekom Data Intelligence Hub**





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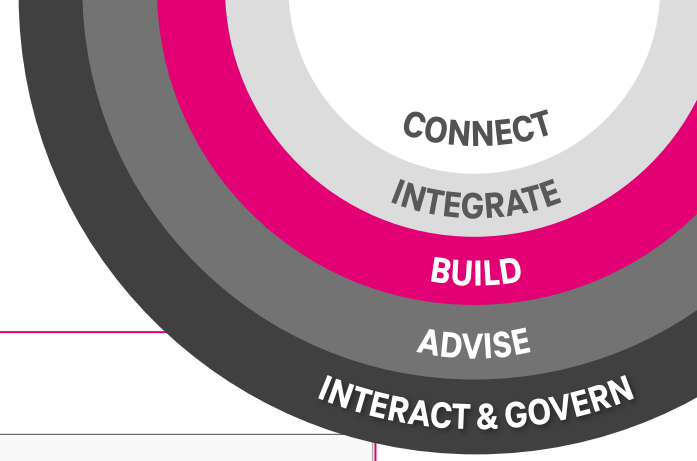
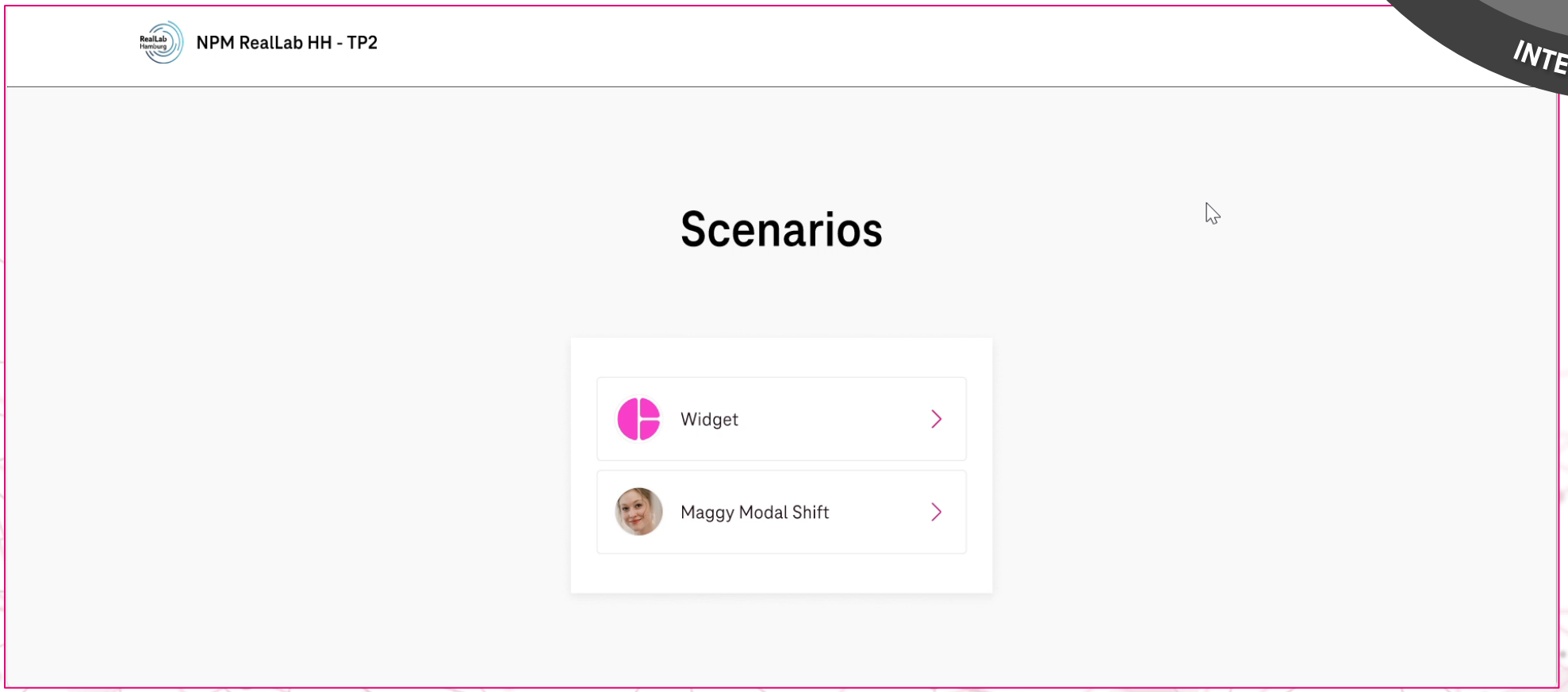
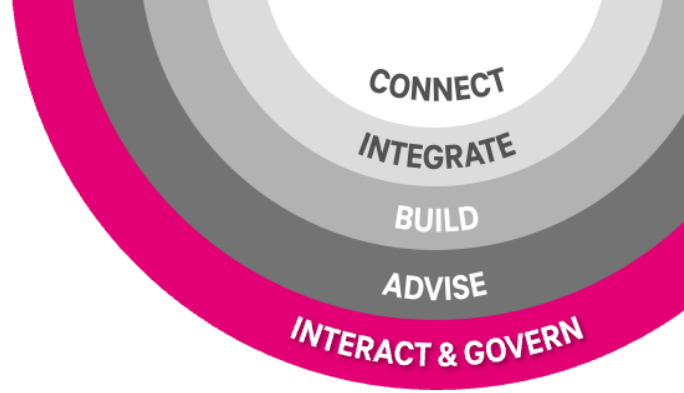
Intermodal Travel App I Live in action





Digital.ID | Trust Service



Trusted Data Sources

T-Systems as a **Trust Anchor** in Dataspaces uses the following Trusted Data Sources:

- **VatID:** for the European member states or North Ireland, the VAT Information Exchange System (VIES)
- **EORI:** registration and identification of economic operators in the European Union
- **LEI Code:** the Global Legal Entity Identifier (GLEIF) with worldwide coverage
- **Local Commercial Registration Number:** using OpenCorporates

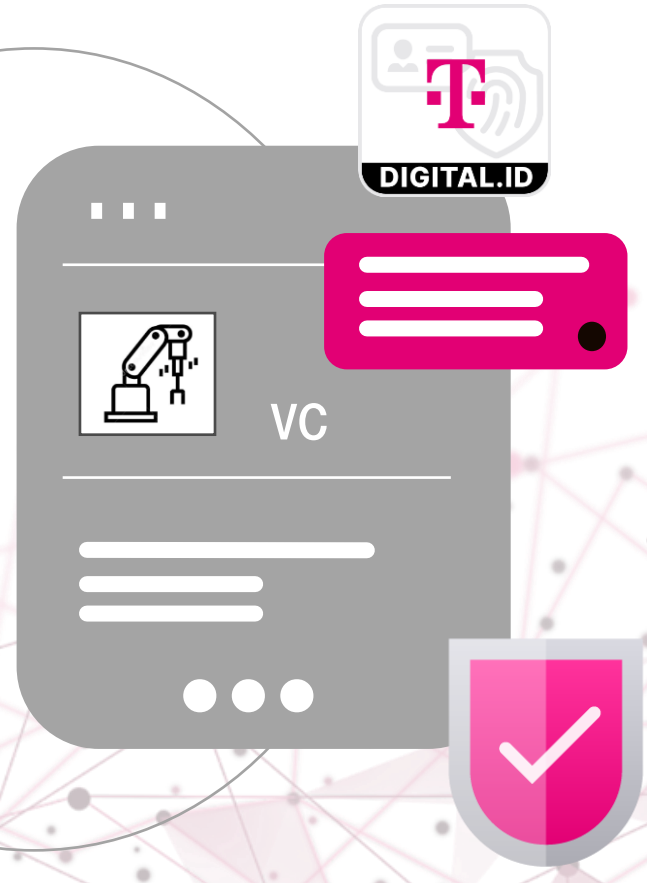
Validation Service: validation of companies' legal commercial registration numbers and European financial transaction identifiers.

Compliance Service: issues digitally signed Verifiable Credentials compliant to W3C specification.

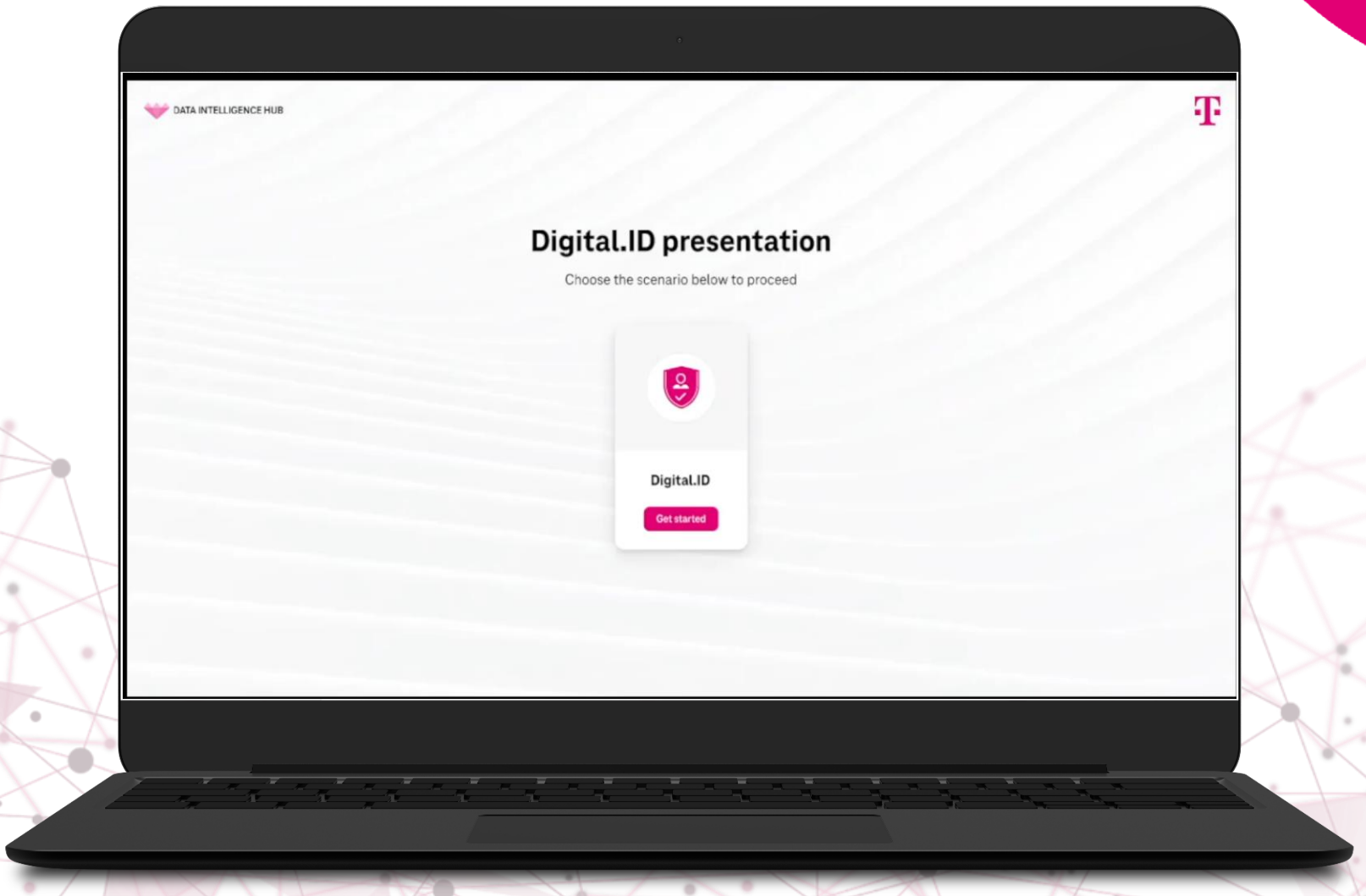
Digital.ID is a **Verifiable Credential,** which contains eIDAS conform digital claims verified and signed by **Telekom Security**.

Gaia-X Compliance Service hosted based on Gaia-X Trust Framework 22.10.

Integration of companies' own electronic signature and issued certificates and credentials.



Digital.ID | Live in Action



Next steps I Contact us and get started !

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Visit our website!

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Let's power
higher performance

Thank you!

Q&A

START MONETIZING NOW