

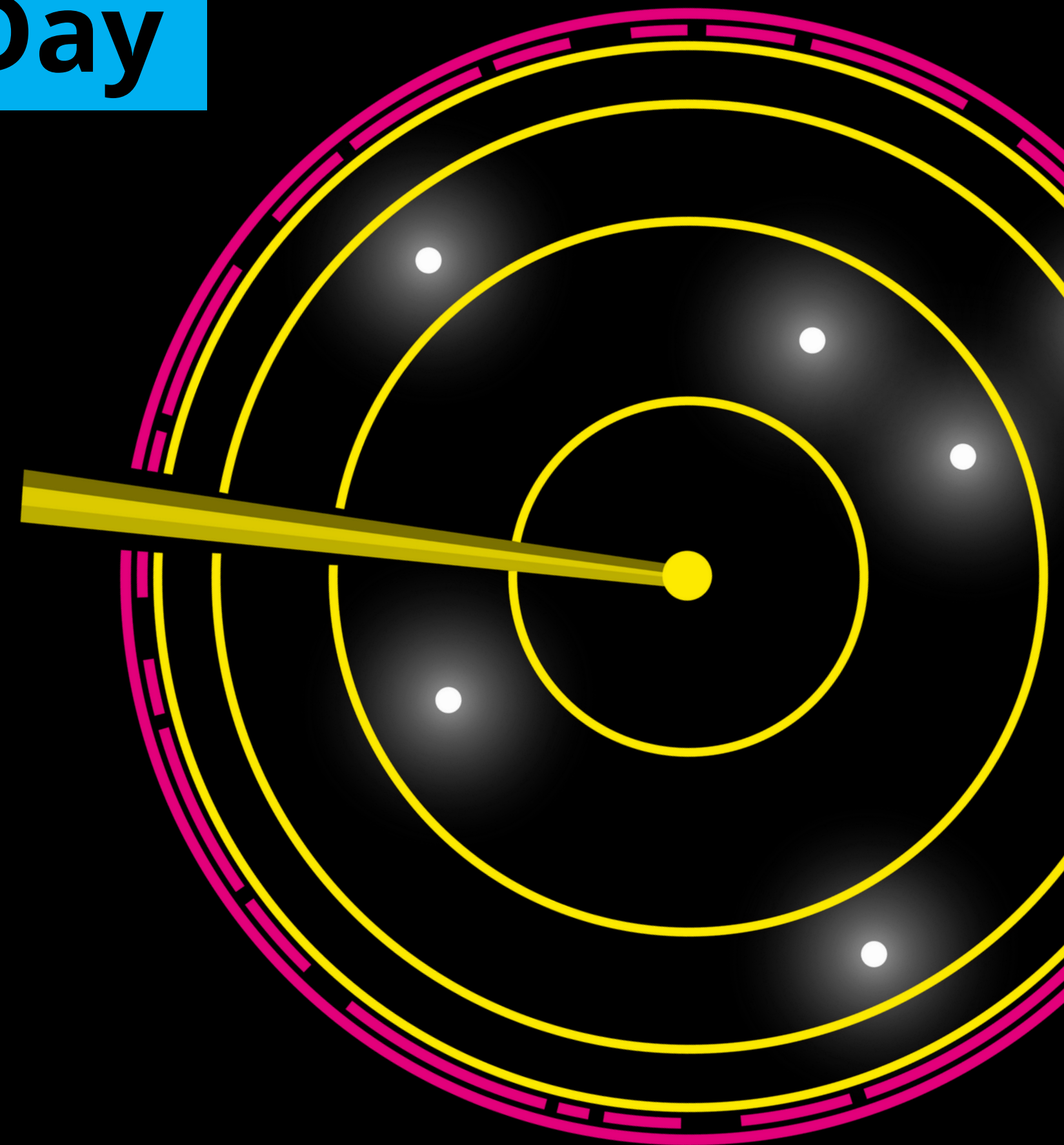
Data Spaces Discovery Day

October 19, 2023 | Vienna

datahub.tirol: How to build a regional Data Space

Fritz Fahringer

Standortagentur Tirol | datahub.tirol





Tirol



We are building the first EU-compliant regional Data Space in **Europe**



datahub.tirol

STATUS DATAHUB.**TIROL**

Tirol

STANDORTAGENTUR
TIROL

digital.**TIROL**



Starting Point 1:

Data-driven, cross-industry benefit generation

European data strategy

Making the EU a role model for a society empowered by data

The European data strategy aims to make the EU a leader in a data-driven society. Creating a single market for data will allow it to flow freely within the EU and across sectors for the benefit of businesses, researchers and public administrations.

https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/europe-fit-digital-age/european-data-strategy_en

Starting Point 2:

Around 70 % of companies do not use their data

EU 28:

Increase in data economy of 2.6%
(EUR 377 billion) to 4.2%
(EUR 680 billion)

Only 20%

of companies practice data
governance

USA: 30 %

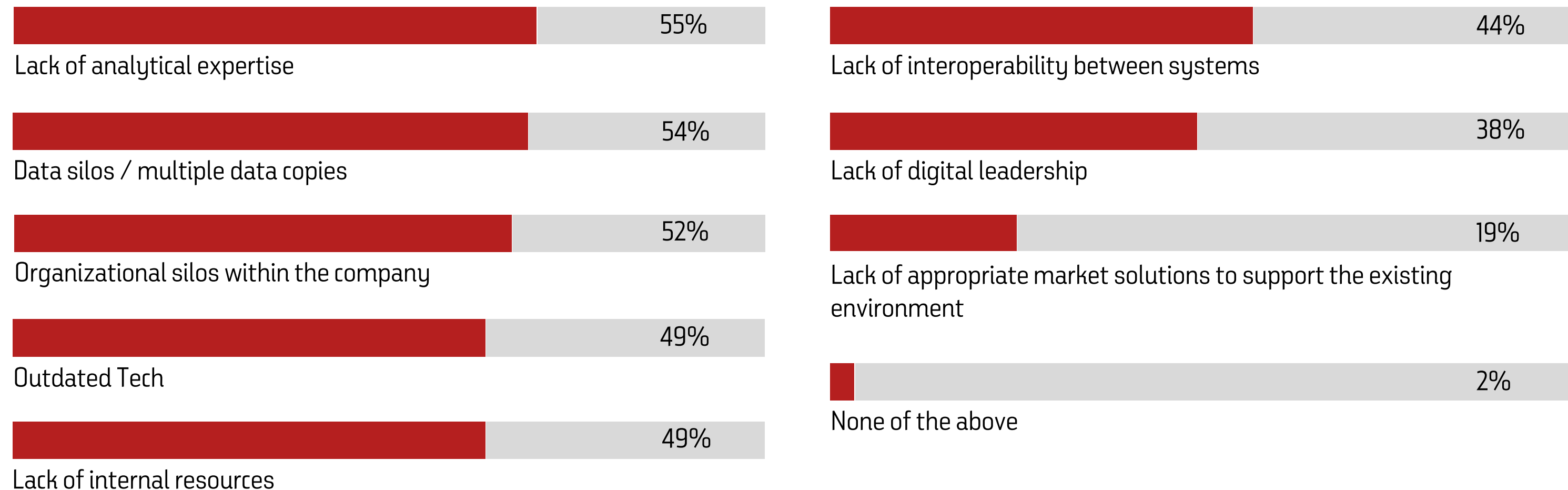
Only 6 %

of SMEs evaluate larger data
volumes

Larger companies: 29 %

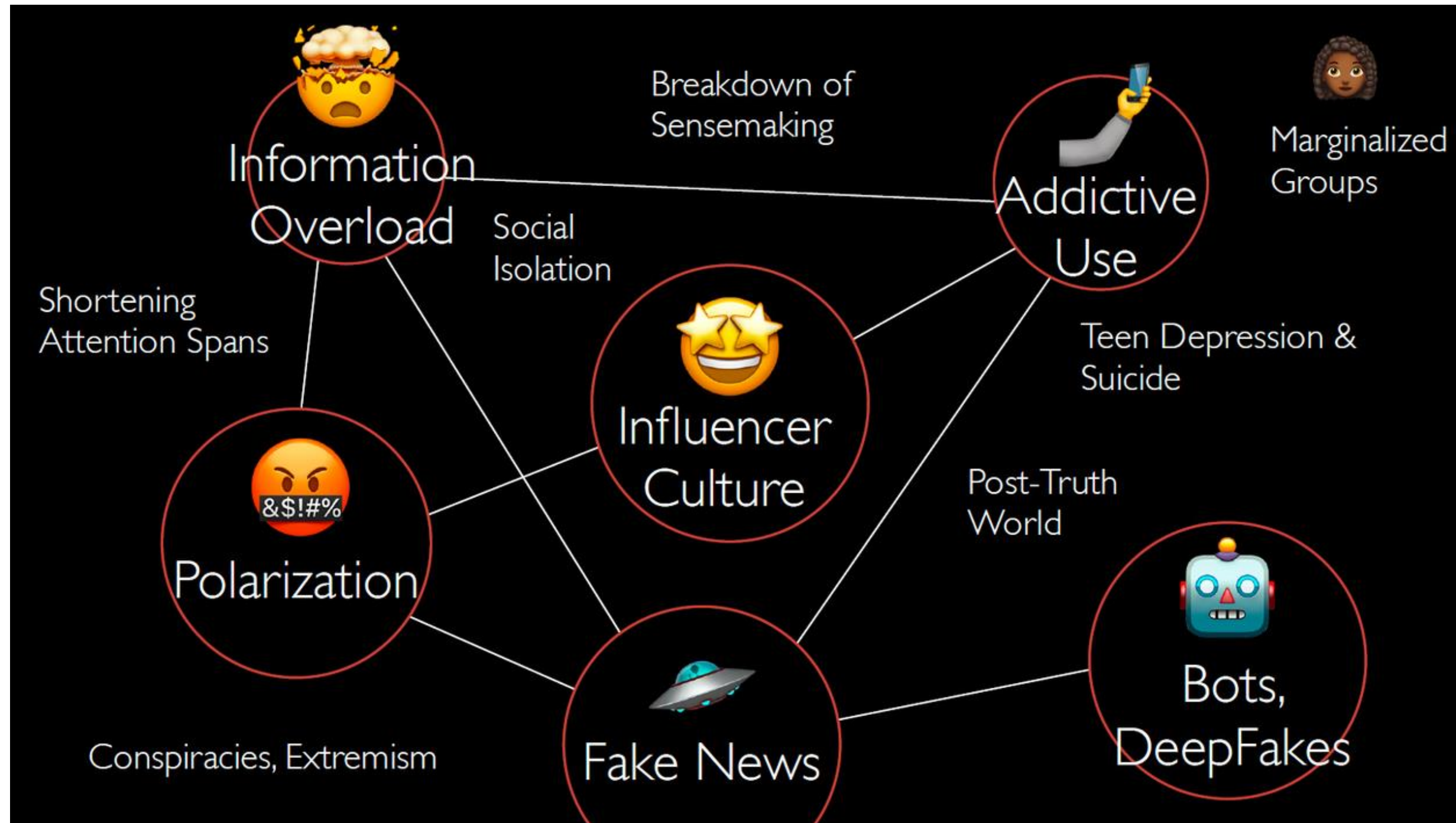
WKO Analyse: Datenökonomie (2019); <https://www.wko.at/site/WirtschaftspolitischeBlaetter/analyse-datenoeconomie.html>, retrieved 3/1/2022

Starting Point 3: Blockers on the Road to Digital Excellence



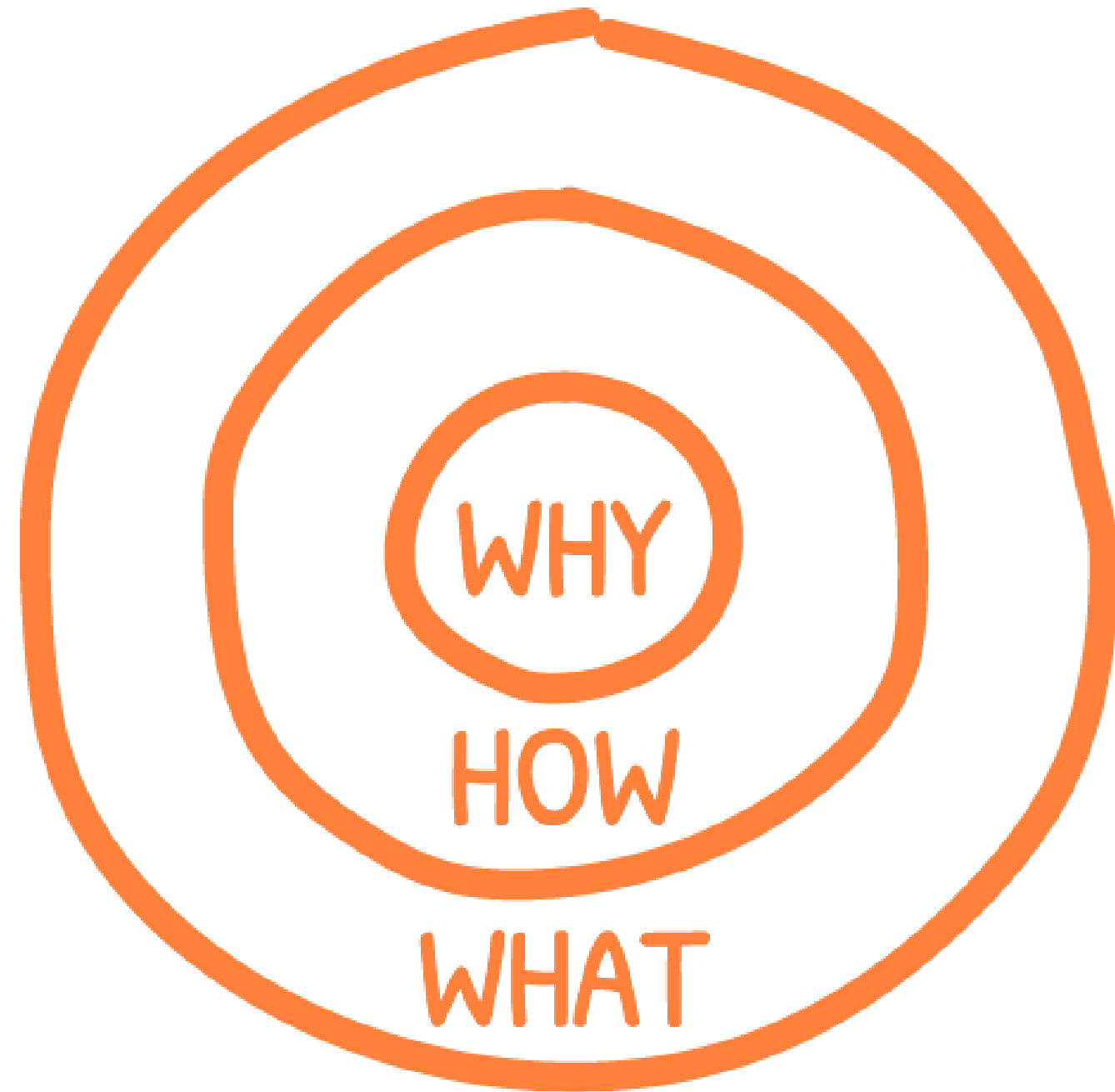
Harvard Business Review Analytic Services (2019)

Starting Point 4: Polarization and Negatively Influenced by data



<https://ledger.humanetech.com/>

The Golden Circle



Why?...

we promote the development of value-based business models

How?... we offer a secure, fair and practical infrastructure for sovereign data exchange

What?... we represent European values and implement them as a trustworthy regional partner

Technical Aspects

1. Which technical components are used in the data space project or use case?
2. Are they compliant with the IDS Dataspace Protocol?
3. Is your data space following the IDSA Rulebook?

Partner:



Maximilian I., Holy Roman Emperor; Albrecht Dürer (1519)

Technical Aspects

1. Which technical components are used in the data space project or use case?
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Framework: [IDSA](#) (International Data Space Association)

Architecture & Protocol : [IDSA Rulebook](#)

Technical connector concept: [EDC Projekt](#) (Eclipse Data Space Components)

Connector Components: [EDC Open Source Repo](#) (Eclipse Data Space Connector)

Standards: [W3C DID](#) & [W3C ODRL](#)

Glossary: [DSSC - Data Space Support Center](#)

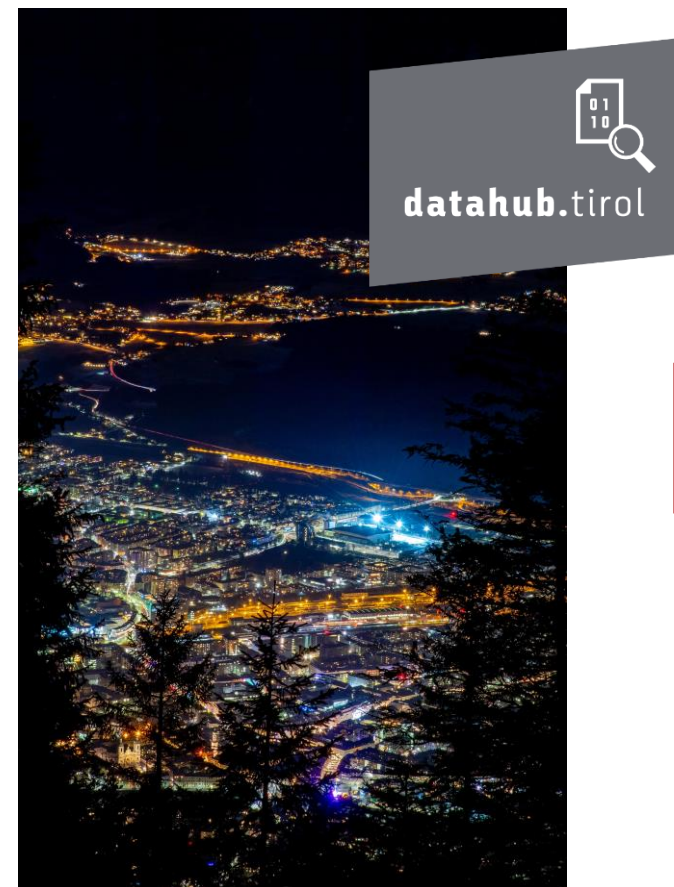


Maximilian I., Holy Roman Emperor; Albrecht Dürer (1519)

Illustration of the federated catalog for datahub.tirol



nexyo



Data Services

Technology service providers **support** in the analysis of data or data refinement
Transformation of data

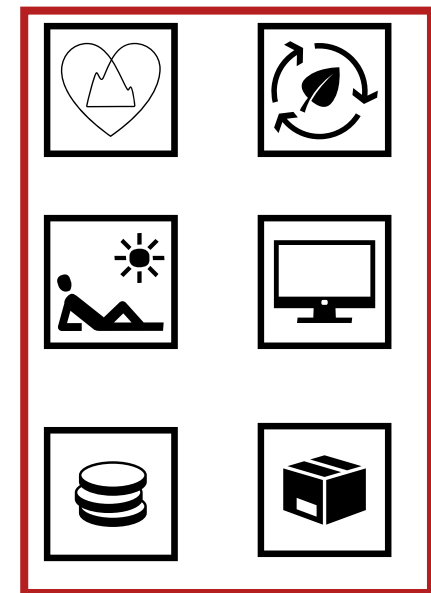
Analytics
AI

Use Cases
Win-Win-Win



Data App

Application for the **user**
Tyroleans & Friends
Successful Digital Transformation



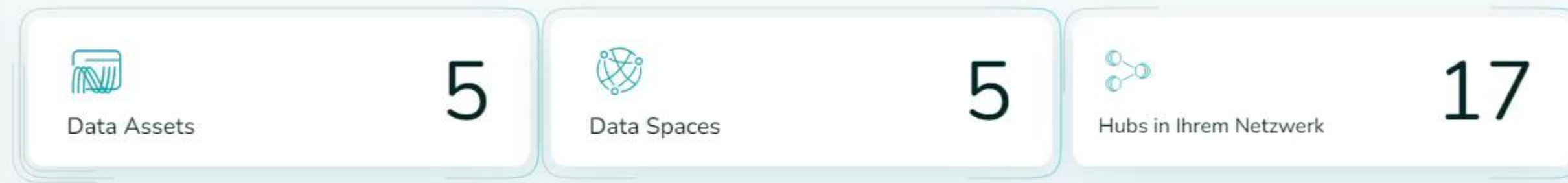
Value-based Engineering ISO/IEC/IEEE 24748-7000

Tirol Standortagentur Tirol DataHub

- Start
- Data Spaces
 - Circular Economy Data Space datahub.tirol
 - Lebensraum Tirol Holding
 - Tirol Veranstaltungen
 - Tourism Data Space
 - Alle Data Spaces entdecken
- Hub Data Assets
- Policies
- Verbindungen

Start

Stats



Hallo Markus, willkommen im Standortagentur Tirol DataHub!

Entdecken Sie neue Data Spaces und treten Sie diesen bei



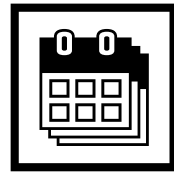
Alle Data Spaces entdecken

Erstellen Sie ein neues Data Asset zur gemeinsamen Nutzung in Data Spaces



Data Asset erstellen

Use Cases – Sneak Peek

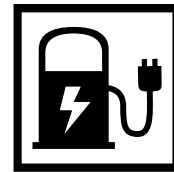


Event calendar
Austria

Data Space Tourism

Partner:

Land Tirol sport event data
Österreich Werbung event data
Tirol Werbung, General Solutions
+ andere



E-charging stations
in the alpine region

Data Space Mobility

Partner:

E-Control
Open Data Hub South Tyrol (Italy),
BayernCloud (Germany)
+ Onlim + others



Digitale Bildungsplattform
Österreich

Data Space Digital Skills

Partner:

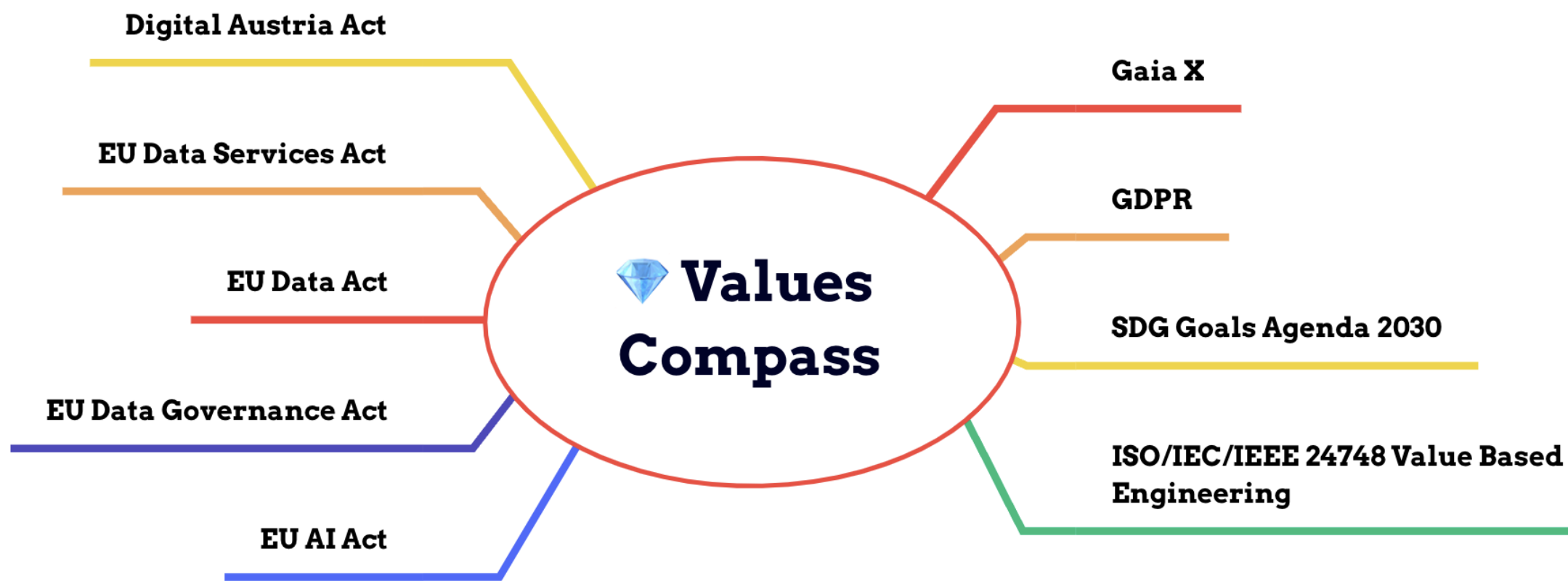
Tiroler Bildungsservice (TiBS),
WIFI, MCI, BFI
+ others



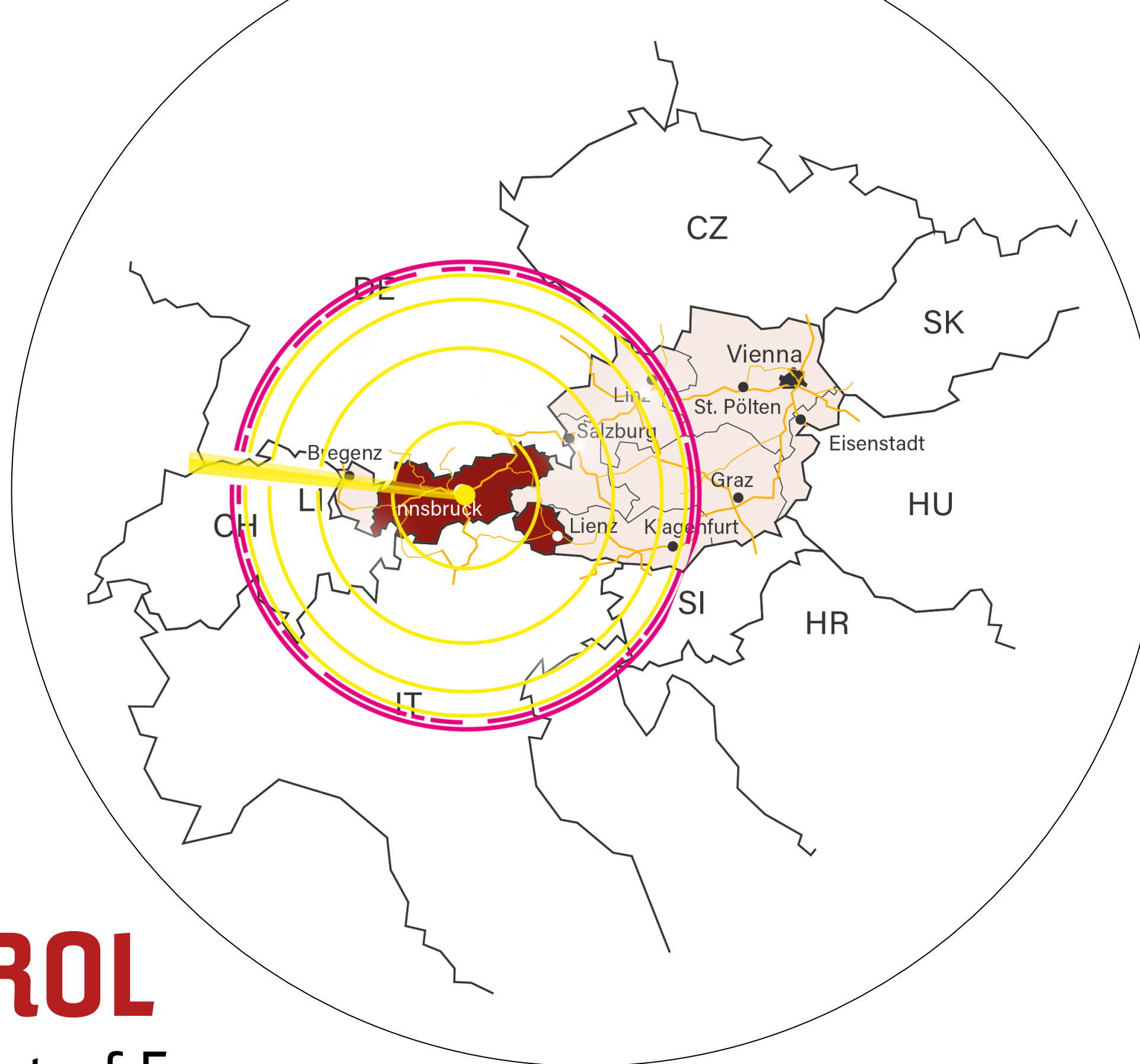
Value Based Engineering datahub.tirol



Further use cases in the area of infrastructure, health, supply chains, sports, climate change, energyOur good network and funding skills led to Austria lighthouse projects like INNERGY, USEFLEDS), European projects Smart Community (Alpine Space), MountResilience (EU project), or regional Tyrolean projects like BauwertInfo (supply chain data project for construction industry)



Maximilian I., Holy Roman Emperor; Albrecht Dürer (1519)



TIROL

Heart of Europe

and let's join forces!



Maximilian I., Holy Roman Emperor; Albrecht Dürer (1519)

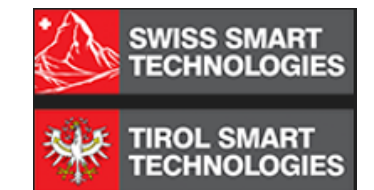
Our (not everyone) ecosystem



DIO
Data Intelligence Offensive
Verein zur Förderung der Datenwirtschaft



ZUKUNFTSRAUM®
LIENZER TALBODEN



BRANDENBERG



DIGITAL Heart
OF THE ALPS

*digital.***TIROL**



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STANDORTAGENTUR TIROL

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– TIROL WERBUNG
– STANDORTAGENTUR TIROL
– AGRARMARKETING TIROL