

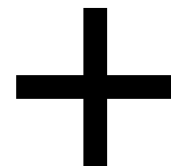


# Und der Mensch? Das 5. Element der Digitalen Transformation

Am Beispiel Data Steward

7. Oktober 2021

# Das fünfte Element



# Die vier Elemente der Digitalen Transformation



Prozesse

Anwendungen



Daten



Infrastruktur

# Daten sind...

Daten



A

Das Neue Öl

B

Das Neue Gold

C

Wie die Liebe

# Daten sind...

Daten



A

Das Neue Öl

B

Das Neue Gold

C

Wie die Liebe



## ..und jetzt zum fünften Element..

“**Der Mensch darf nicht zum bloßen Objekt digitaler Prozesse werden. Die Technik soll den Menschen unterstützen und helfen, ihn aber nicht fremdbestimmen und als Entscheidungsträger ersetzen.**”



DATENSTRATEGIE DER BUNDESREGIERUNG  
(Anm.: Deutschland), Kabinettsfassung 27.01.2021

## Advanced Smart Services

(Cross-) Sector Innovations /  
Market places / Applications

## Data Spaces

Interoperable & portable (Cross-)  
Sector data-sets and services

## Gaia-X Federation Services

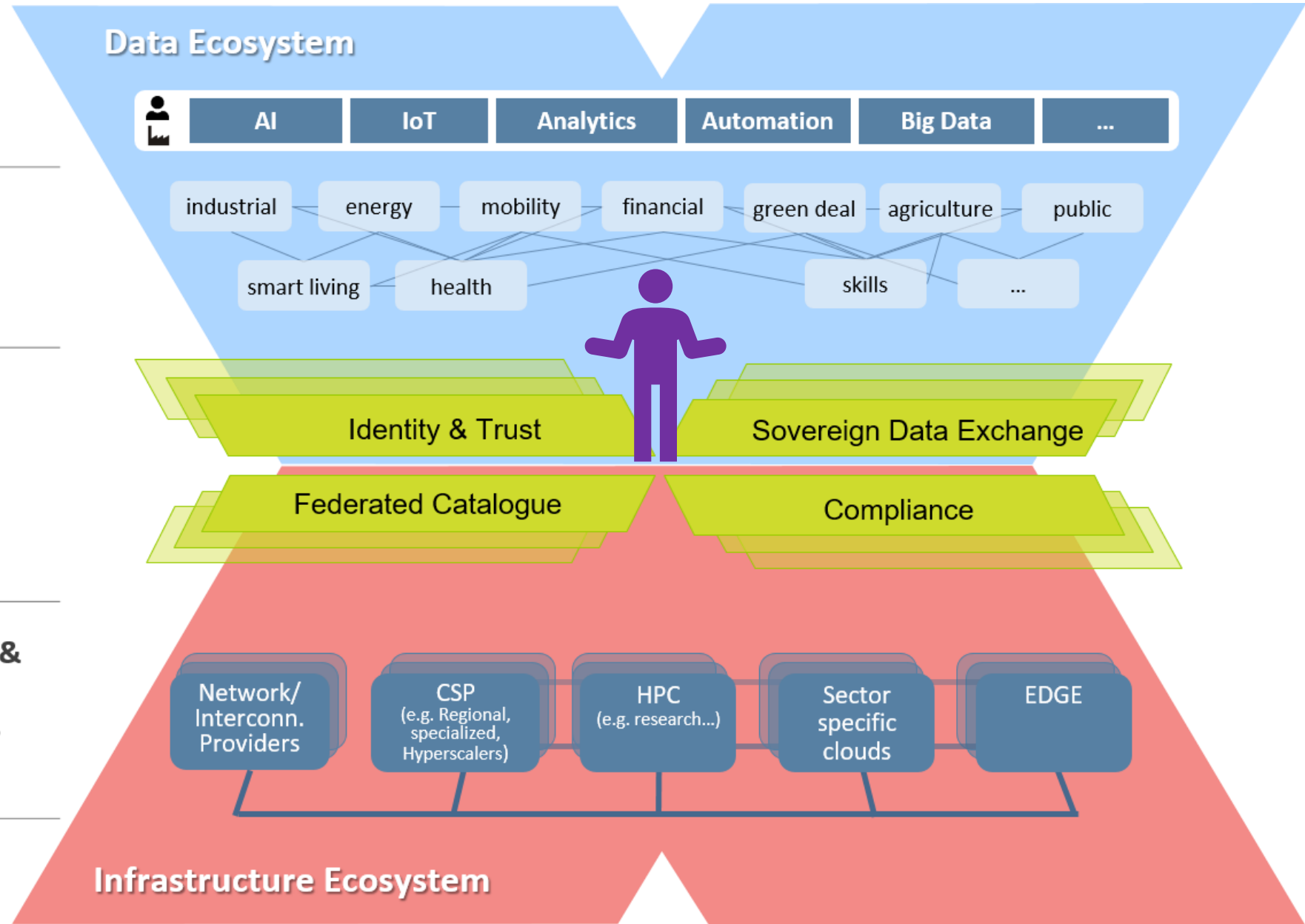
Federated & distributed for  
interoperability Trust & Sovereignty  
services

## Portability, Interoperability & Interconnectivity

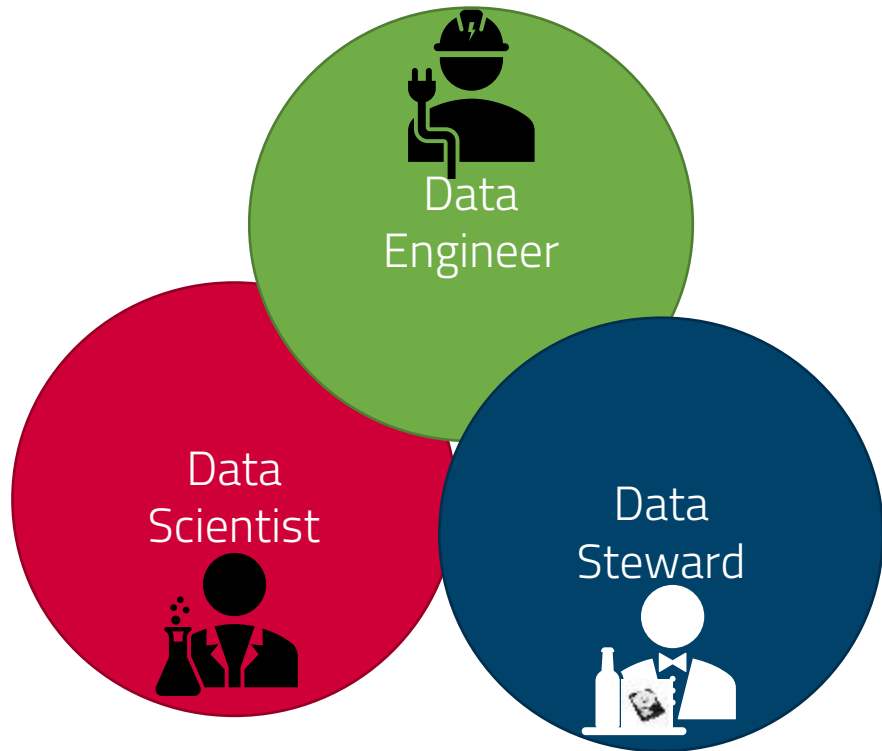
Technical: Architecture of Standards  
Commercial: Policies

## Compliance

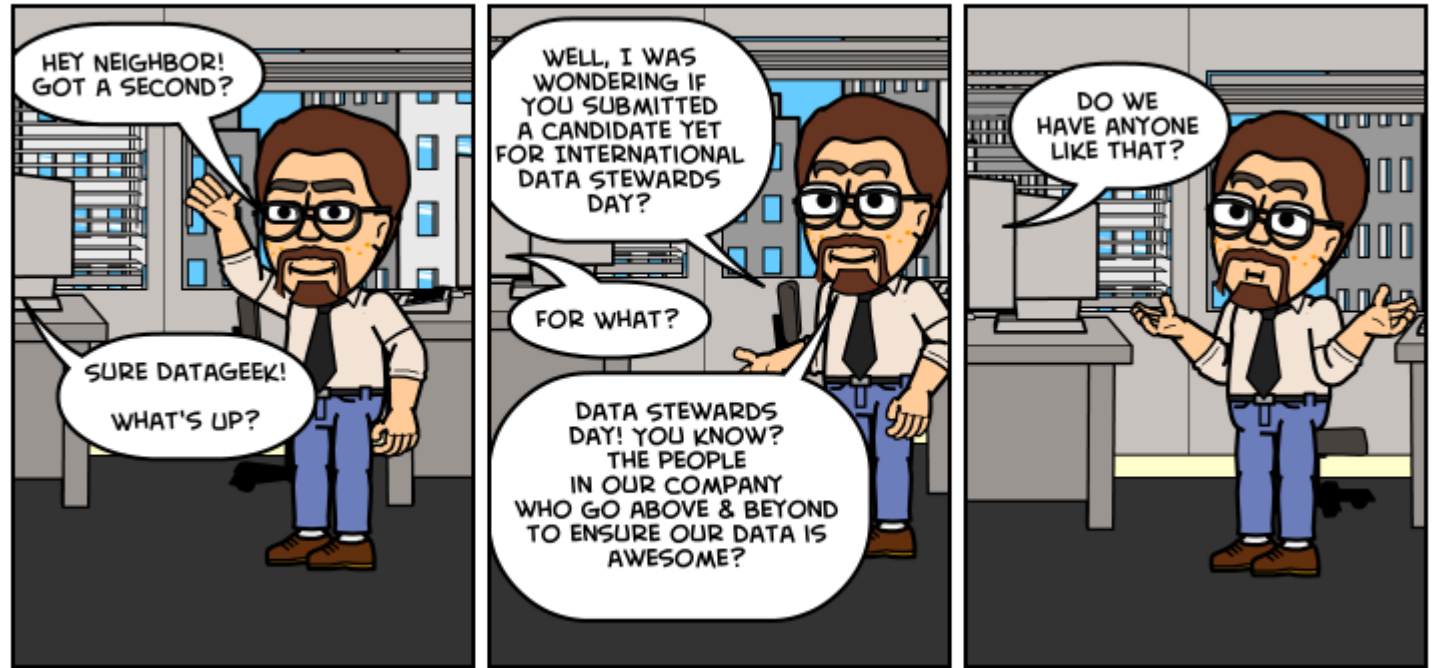
Legal: Regulation & Policies



# Data .. What?



**DATAGEEK & "DATA STEWARDS DAY"**



**BY RICH MURNANE**

WWW.BITSTRIPS.COM



# Data Stewardship – aktueller Status

## Data Stewardship als Wegbereiter der Analytik

- Damit Data Governance als wertschöpfende Maßnahme gelingt, müssen im Unternehmen neue Rollen wie Data Owner und Data Stewardship klar definiert und eingeführt werden.
- Laut einer aktuellen DACH-weiten [Studie von BARC](#) gaben 78% der befragten Unternehmen an, ihr wichtigstes Ziel bei der Etablierung von Data-Governance Rollen sei der Aufbau einer verlässlichen und konsistenten Datenbasis für die Analytik. Weitere 55 % erwarten sich in der Folge bessere Analyseergebnisse durch mehr Datenqualität.
- Aber nur 25% der Befragten hatten eine dezidierte Data Stewardship Rolle

# Data Steward – aktuelles Rollenverständnis

IS A

specialist role that utilizes **data governance** processes, policies etc. for administering an organizations' entire data

IS RESPONSIBLE FOR

ensuring the **quality and fitness for purpose** of the organization's **data assets**, including **metadata and**

HAS OBJECTIVE

the **data quality** of the data assets, datasets, data records and data elements including documentation of metainformation for the data, such as definitions, related rules/governance, physical manifestation, and related data models

FOR **reusing** data-related resources

DOES

**identification** of the data assets and elements which they will steward, with the ultimate result being standards, controls and data entry, **participation** in the **development and implementation** of data assets, identifying owners/custodian's various responsibilities, aiding with **project requirement data facilitation** and documentation of capture rules.

INTERACTS WITH

**business glossary** standards analysts (for standards), with data modelers (for standards), with DQ analysts (for controls) and with operational teams (good-quality data going in per business rules) while entering data.

NEEDS

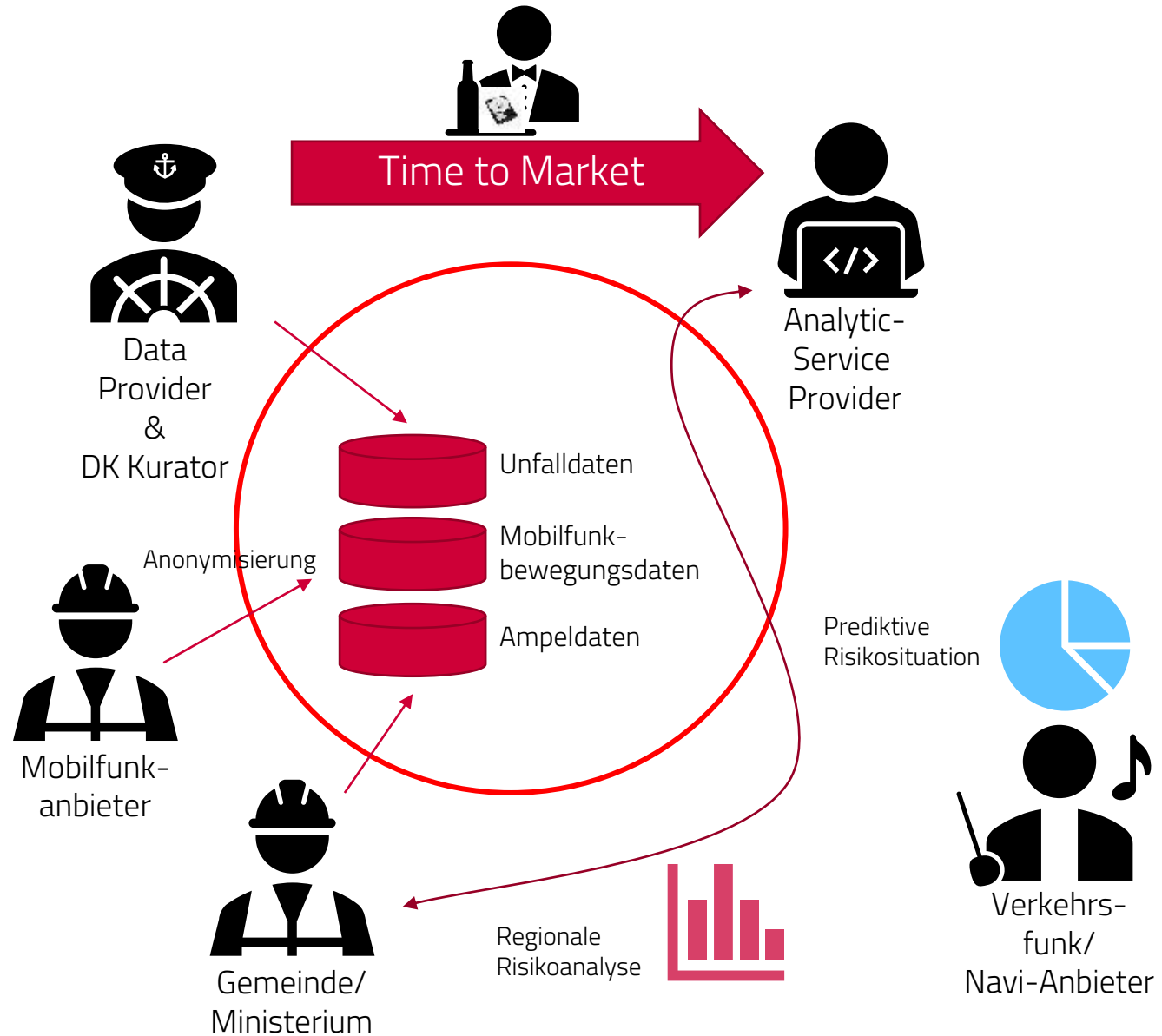
precise purpose, fit for purpose or fitness.

# Data Steward Ausprägungen

1. Data object data steward  
responsible for managing reference data and attributes of one business data entity
2. Business data steward  
responsible for managing critical data, both reference and transactional, created or used by one business function
3. Process data steward  
responsible for managing data across one business process
4. System data steward  
responsible for managing data for at least one IT system

# Neue Anforderung

- Digitale Transformation fordert neue Rollen\*) und erweitert damit das Aufgaben- und Verantwortlichkeitsspektrum des Data Stewards
  - Strategische Komponente
  - Data Time2Market Professional
  - Data Value Professional



Beispiel:

DATENKREIS  
Unfall-  
vermeidung

# Einladung

DIO unterstützt ihre Partner\*innen, Mitglieder und die Öffentlichkeit

- beim Übergang in die Datenwirtschaft
- beim Einsatz und der Optimierung relevanter Technologien
- bei der Marktbildung
- beim Management von Daten in Sicherheit und Vertrauen
- ..und identifiziert Bedarf an Data Steward Fähigkeiten und Fertigkeiten → Fragebogen



# Diskussion

# Weitere Ressourcen

Data Stewards are responsible for what is stored in a data field, while Data Custodians are responsible for the technical environment and database structure → similar DBA

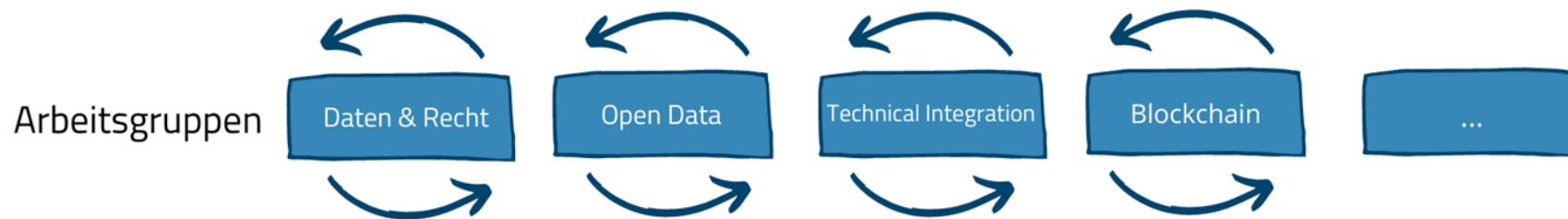
**Master data management** ("MDM") is a technology-enabled discipline in which business and [Information Technology](#) ("IT") work together to ensure the uniformity, accuracy, stewardship, semantic consistency and accountability of the enterprise's official shared [master data](#) assets

**Metadata management** involves managing [metadata](#) about other [data](#), whereby this "other data" is generally referred to as content data. The term is used most often in relation to [digital media](#), but older forms of metadata are catalogs, dictionaries, and taxonomies. For example, the [Dewey Decimal Classification](#) is a metadata management system developed in 1876 for libraries.

**Domain knowledge** is [knowledge](#) of a specific, specialized discipline or field, in contrast to [general knowledge](#), or domain-independent knowledge. The term is often used in reference to a more general discipline, as, for example, in describing a software engineer who has general knowledge of programming, as well as domain knowledge about the pharmaceutical industry. People who have domain knowledge, are often considered [specialists or experts](#) in the field.



# Arbeitsgruppen, Datenräume & Datenkreise



## Datenräume mit Datenkreisen

