



Pseudonymisation in the Health Sector

Date: 12 November 2019
Location: ULD/ENISA Workshop, Berlin
Speaker: Patrick von Braunmühl



Key Facts



1.674

Patents



2.730

Employees
(Group)



556,4

Turnover
(2018)

Portfolio

Data Trustee/Trust Center
for GDPR compliant data exchange

Data Analytics and AI Projects

Highly secure cloud solutions

eIDAS compliant Trust Center

Innovative solutions for safe
ID systems and ID documents

Value and security printing, printing



Production

9 million

Identity cards/
ID cards

4 million

Passports

2.6 million

Driver's
licenses

1 billion

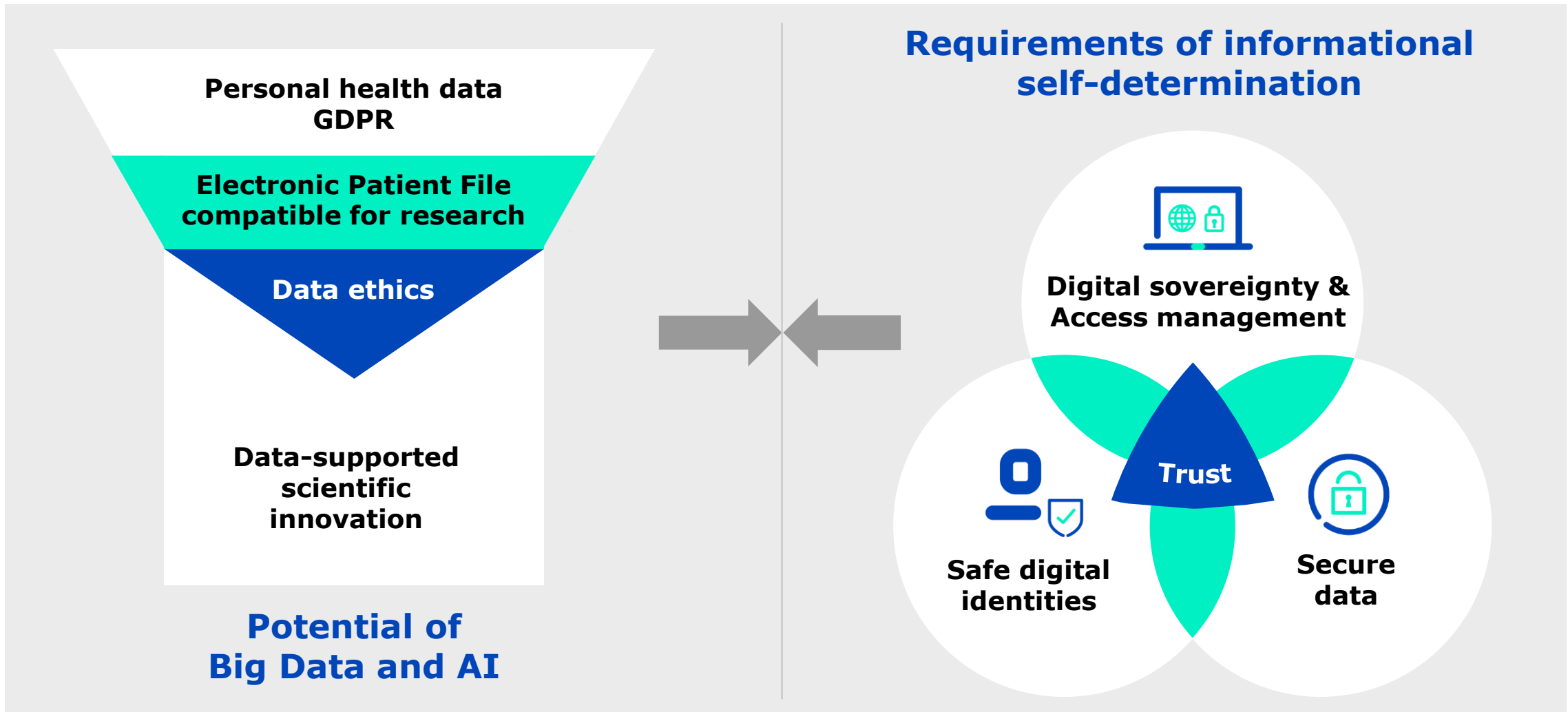
Banknotes

1,2 billion

Postal
stamps

4 billion

Tax
stamps





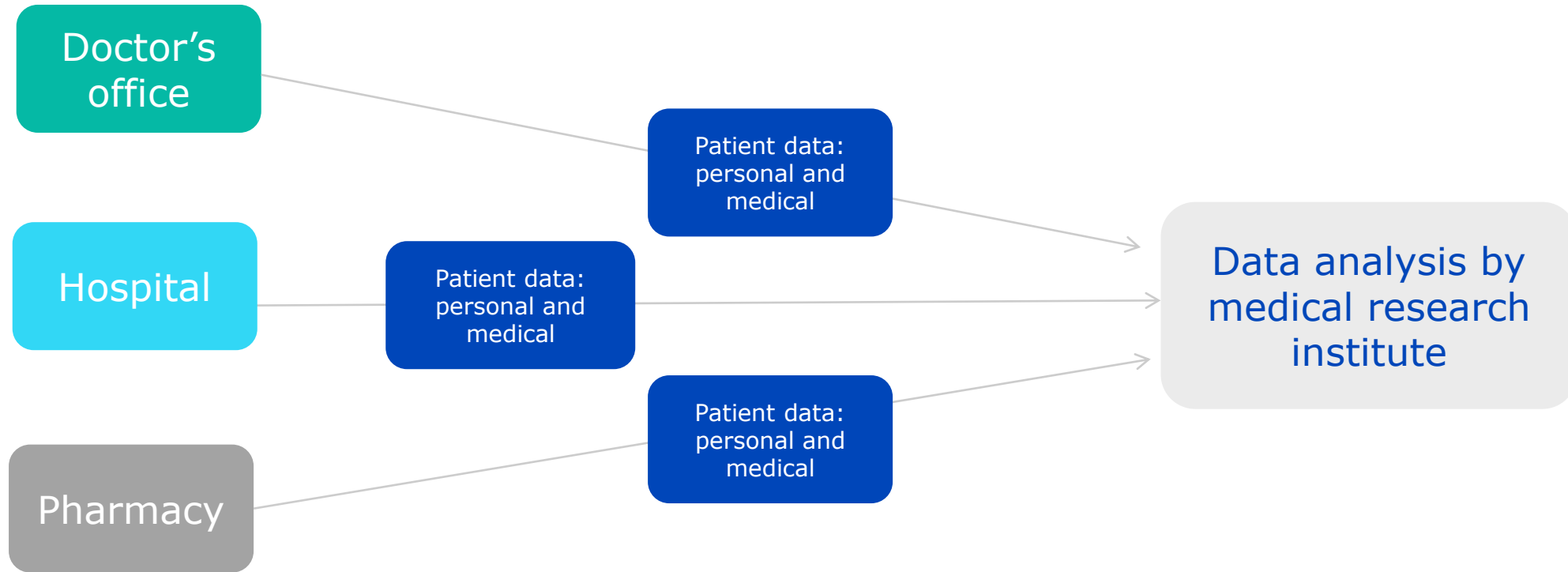
Big Data analysis and other evaluation of personal data is only legally compliant, if the data is pseudonymised!



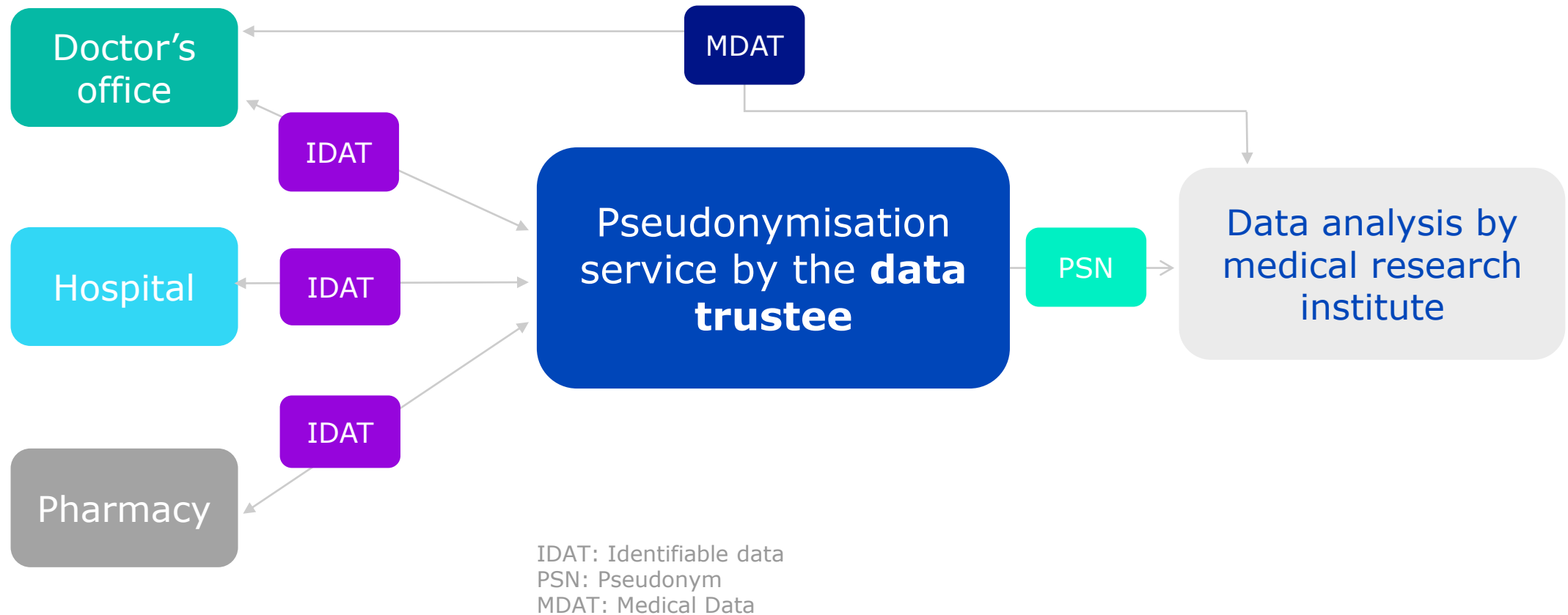
**Dilemma:
Which pseudonymisation methods are compliant with the GDPR?**



Code of Conduct process

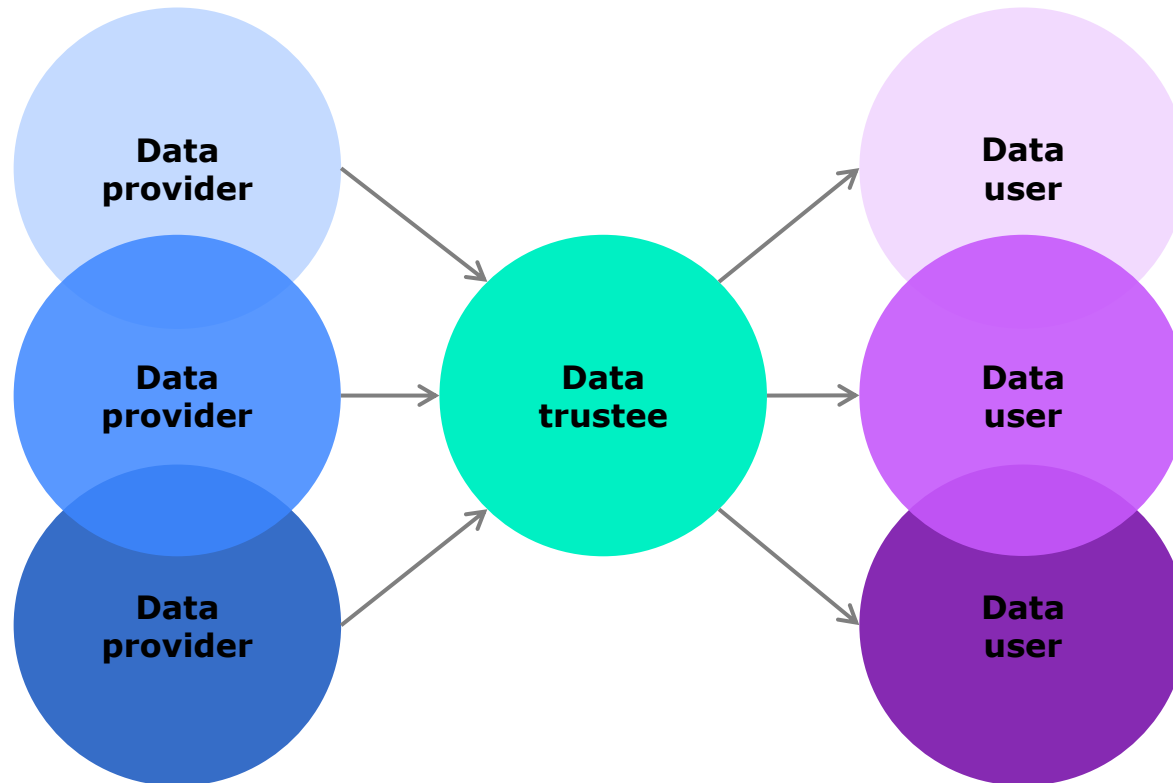


A research institute wants to use medical data for analysis, but must not come into possession of patient data. However, it must be able to contact the patient or the treating physician (or hospital, pharmacy) in case of questions. It is therefore necessary to separate the personal patient data from the medical data, but if necessary to be able to reconnect them. This is where the trustworthy third party comes into play, who is able to create this very repatriation by means of pseudonymisation.

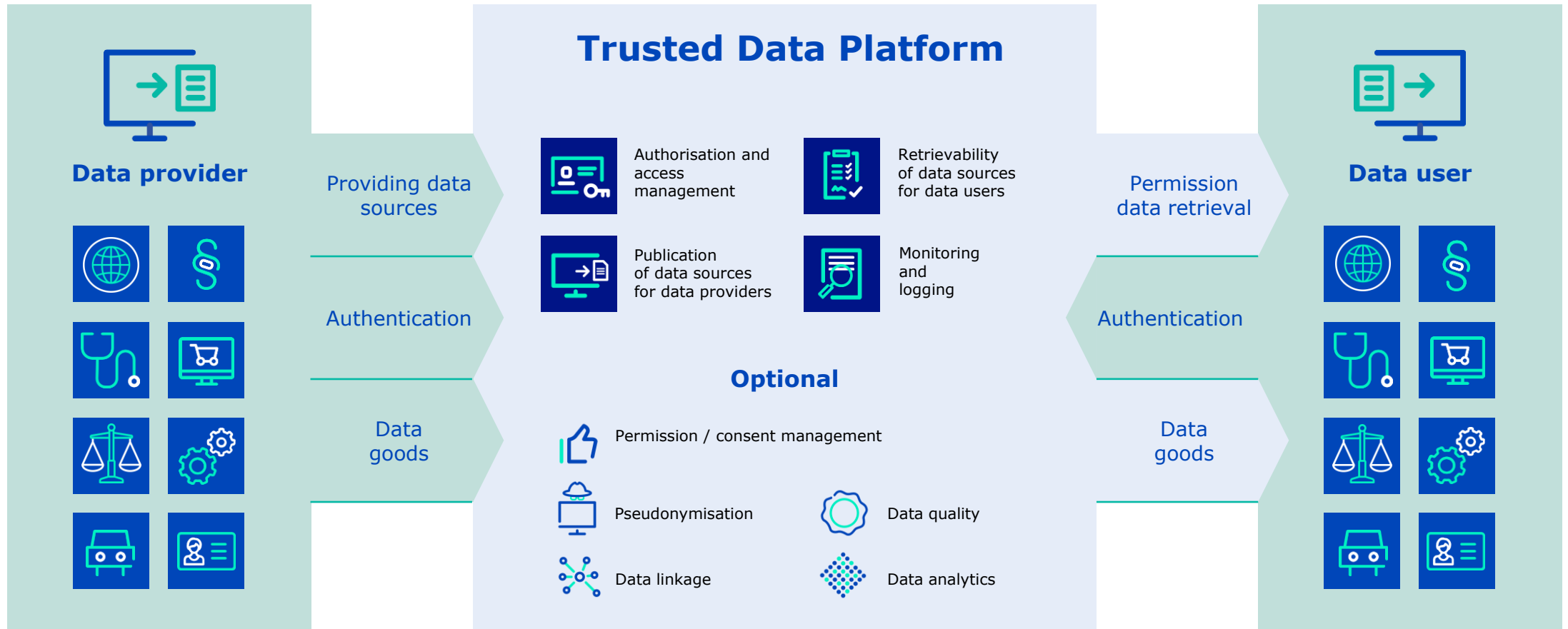


Data trustee as "intermediary" between data source and user

The data trustee is an independent trust authority that mediates data between the data provider and the data user.



- Identity and authorisation management
- Consent and access management
- Transparency and sovereignty
- Data security
- Logging and protocol
- Pseudonymisation and anonymisation

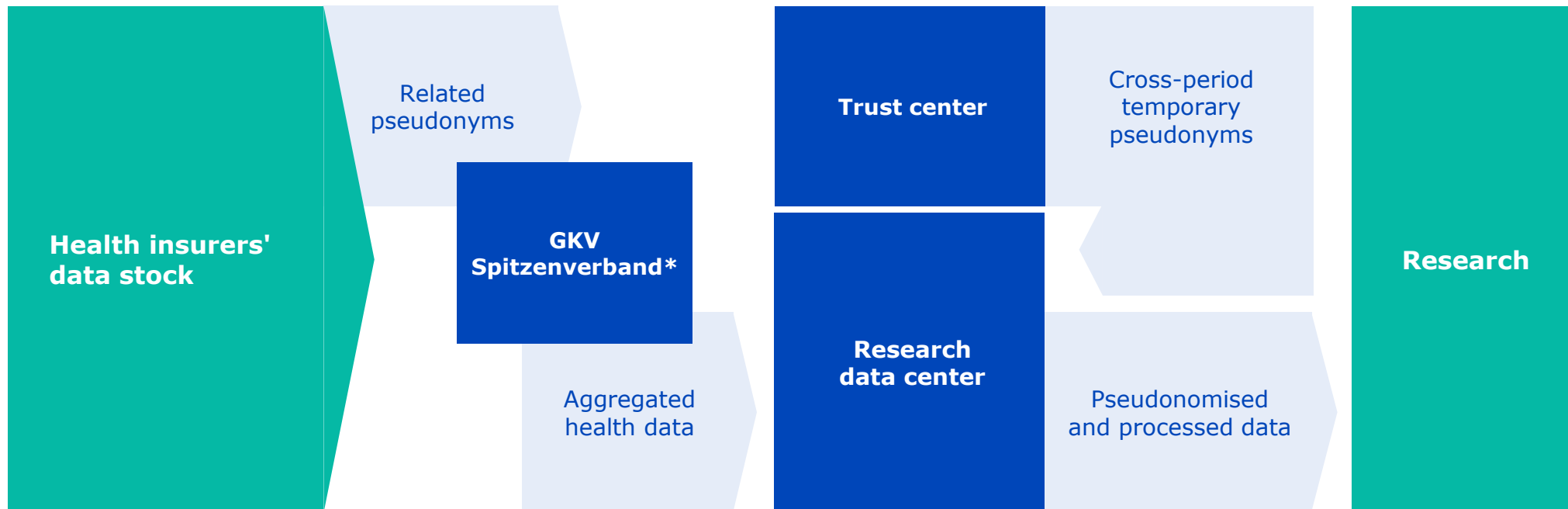


An Electronic Patient File suitable for research purposes

- The Electronic Patient File must be available from 2021 in Germany as an offer for every insurance policy holder.
- The technical design is decisive for research compatibility.
- The German Digital Supply Act has taken the first step in this direction.

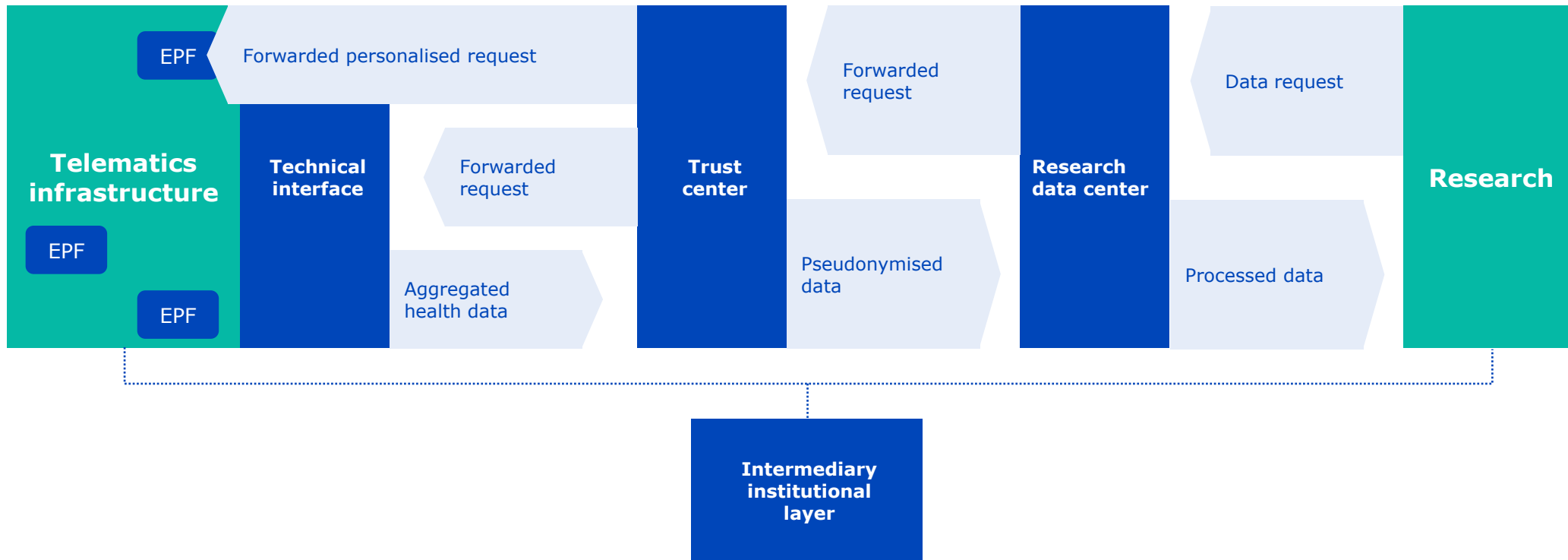


Research-compatibility according to the Digital Supply Act



*GKV Spitzenverband: National Association of Statutory Health Insurance Funds

Possible future model of research compatibility



EPF - Electronic Patient File

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Thank you. ■

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