

FAIR Data Spaces Final Event

Overview and Highlights

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Why Data Spaces?

Projected figures 2025



530%

increase of global data volume

from 33 zettabytes in 2018 to 175 zettabytes



€829 billion

value of data economy in the EU27

from €301 billion (2.4% of EU GDP) in 2018



10.9 million

data professionals in the EU27

from 5.7 million in 2018



65%

Percentage of EU population with basic digital skills

from 57% in 2018

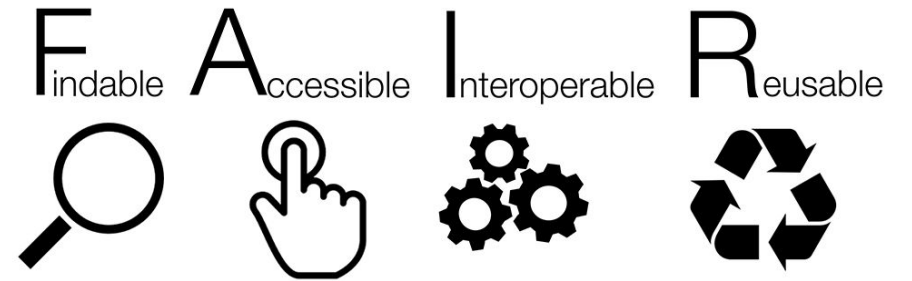
Source: [EU Commission / Data Strategy](#)



**DATA SPACES
SUPPORT CENTRE**

“A data space is a distributed system defined by a governance framework, that enables trustworthy data transactions between participants while supporting trust and data sovereignty.”

FAIR Data Spaces



Source: SangyaPundir, CC BY-SA 4.0

Vision: gemeinsamer Cloud-basierter Datenraum für Wirtschaft und Wissenschaft (aufbauend auf den FAIR-Daten-Prinzipien)



Mission: Synergien zwischen vorhandenen Technologien und Communities schaffen und ausbauen



Nationale
Forschungsdaten
Infrastruktur



**INTERNATIONAL DATA
SPACES ASSOCIATION**



Who are You?



Highlights

Leitbild einer fairen Datenökonomie in Deutschland und Europa

Virtueller Diskurs
15. März 2022 ab 09:00 Uhr

Mit Vorträgen von

Bettina Stark-Watzinger, Bundesministerin für Bildung und Forschung,
Prof. Dr.-Ing. Reimund Neugebauer, Präsident der Fraunhofer-Gesellschaft
und vielen weiteren!



Fraunhofer
IUK-TECHNOLOGIE

Prof. Dr.-Ing. Ingrid Isenhardt, Reimund Neugebauer, Präsident der Fraunhofer-Gesellschaft | © Fraunhofer | Bettina Stark-Watzinger, Bundesministerin für Bildung und Forschung | https://www.stark-watzinger.de | © Tobias Koch | www.tobiaskoch.net



Digital-Gipfel 2022



Photo by Christoph Lange-Bever

Digital-Gipfel 2023



December 3, 2024

Data Spaces Symposium 2023



Joint
Legal/Technical
Article in
Submission

Context-Agnostic Data Visitation Systems as a Means to Exchange Health Data for Scientific Research: The example of PADME PHT¹

Dara Hallinan², Marc Nestor³, Muhammad Hamza Akhtar⁴, Zeyd Boukhers^{3,4}, Constantin Breß², Mehrshad Jaberansary⁵, Christoph Lange^{4,6}, Macedo Maia⁷, Fruzsina Molnár-Gábor⁶, Yeliz Ucer Yediel⁴

This article deals with the following question: how can the purposes of health research and EU data protection law be optimally reconciled, such that health research can proceed to the maximum extent possible, whilst simultaneously respecting the rationale, and complying with the specifics, of EU data protection law? In this regard, the piece highlights the possibility of technological solutions, and, in particular, discusses the utility of data visitation systems, as one form of technological solution. The piece, however, highlights that the current range of data visitation systems used for health research in Europe exhibit a common problem. Namely, they exhibit design choices which mean their use is limited to specific contexts: contextual limitations. In response to this, the article introduces, and elaborates, a novel concept: *the concept of context-agnostic data visitation systems: essentially data visitation systems which are designed to avoid as many contextual limitations as possible, such as to maximise the range of contexts in which, and the range of health research purposes for which, they can be deployed.* Finally, to show this concept is not simply a utopian flight of fancy, or mere academic curiosity, the article offers an example of a system designed with the intention of being context-agnostic in mind: the PADME PHT system.

Keywords: GDPR, EHDS, health research, health data, data visitation, federated analysis

Agenda

Time	Activity
9:00–9:30	Welcome / Community
9:30–9:50	ELSA Curriculum
9:50–10:10	Technical Architecture
10:20–11:50	Demonstrators: Health
12:30–13:30	Demonstrators: Engineering
13:30–14:30	Demonstrators: Biodiversity
14:30–15:00	Summary & Outlook