

# One Data Space for Health

Why we need data spaces in healthcare  
sphin-X

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# What if?

... healthcare sector was as well organized as the air travel industry?

... what is preventing us from this vision?

**Boarding pass** FairPlane **1** API COMPLETE  
www.FairPlane.de

MUC → FCO Bitte auf kurzfristigen Wechsel des Ausgangs achten.

Name of passenger  
**MARKUS MUSTERMANN / MR.**

<b>2</b>	<b>3</b>	<b>4</b>			
Carrier/Flight No.	From	To	Date	Boardingtime	Class
LH 1845	MUC	FCO	05 MAY	09:00	C

Seat **19A**

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**BUSINESS** FairPlane  
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Boarding pass / Bordkarte

Name of passenger  
**MARKUS MUSTERMANN / MR.**

ETKT 23659275215-5  
MUC  
FCO

Lufthansa

Carrier	Flight No./Class	Date
LH	1845 C	05 MAY

Gate	Boardingtime	Seat
G31	09:00	19A NONSMOKER



why is it not?

# Pain points in healthcare sector

We all suffer the same pain

...but no one will be able solve them on their own

Pain Points			
<b>Fragmented, individual, local solutions</b>	(lighthouses syndrome)	☐	Data Restrictions
<b>No standard data standards / missing national agenda</b>	(flipped pyramid)	☐	Data Consistency
<b>Data silos, monoliths and eminences</b>	(lack of interoperability)	☐	Data Access
<b>Complex data flows with multiple breaks and barriers</b>	(no end2end processes)	☐	Data Sharing
<b>Heterogeneous regulations / approaches for data privacy</b>	(uncertain investments)	☐	Data Security

# What is needed?

Interoperability on all levels

How can data spaces help?

VISION

Principles

Governance

Use Cases

Semantics

Syntax

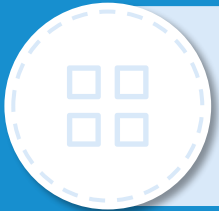
Technical

Successful dataspaces drive the collaboration in upper layers

How much can be achieved bottom-up?

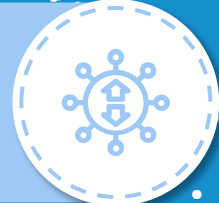
# Why data spaces? why sphin-X?

Solving common pain points together!



**Individual efforts** by individual healthcare companies to make technological advances are hampered by low trust and data access restrictions  
→ **Ability to scale**

Absence of clear data sovereignty rules hinders more efficient data exchange between those involved in the industrial healthcare industry and thus slows down innovation  
→ **Enabling data sharing**



Building trust through **collaborative development** and the simultaneous participation of all healthcare stakeholders is crucial for this  
→ **Fosters trust & collaboration**

It is therefore essential to take advantage of the current economic and political interest in comprehensive implementation of digitalization, especially in the healthcare sector  
→ **Unify public and private sector**





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# Thanks!

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**sphin:**  
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