

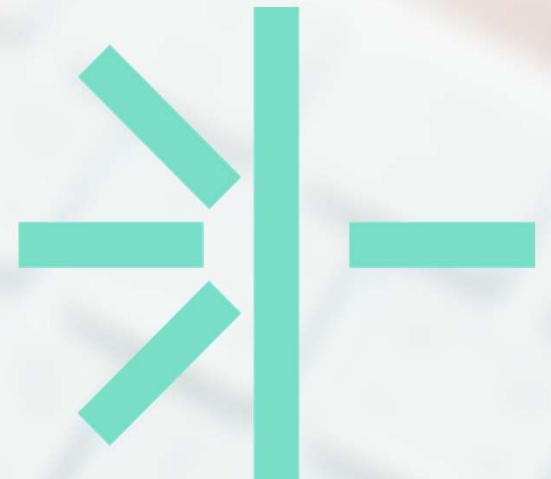


# Data Driven Hospital

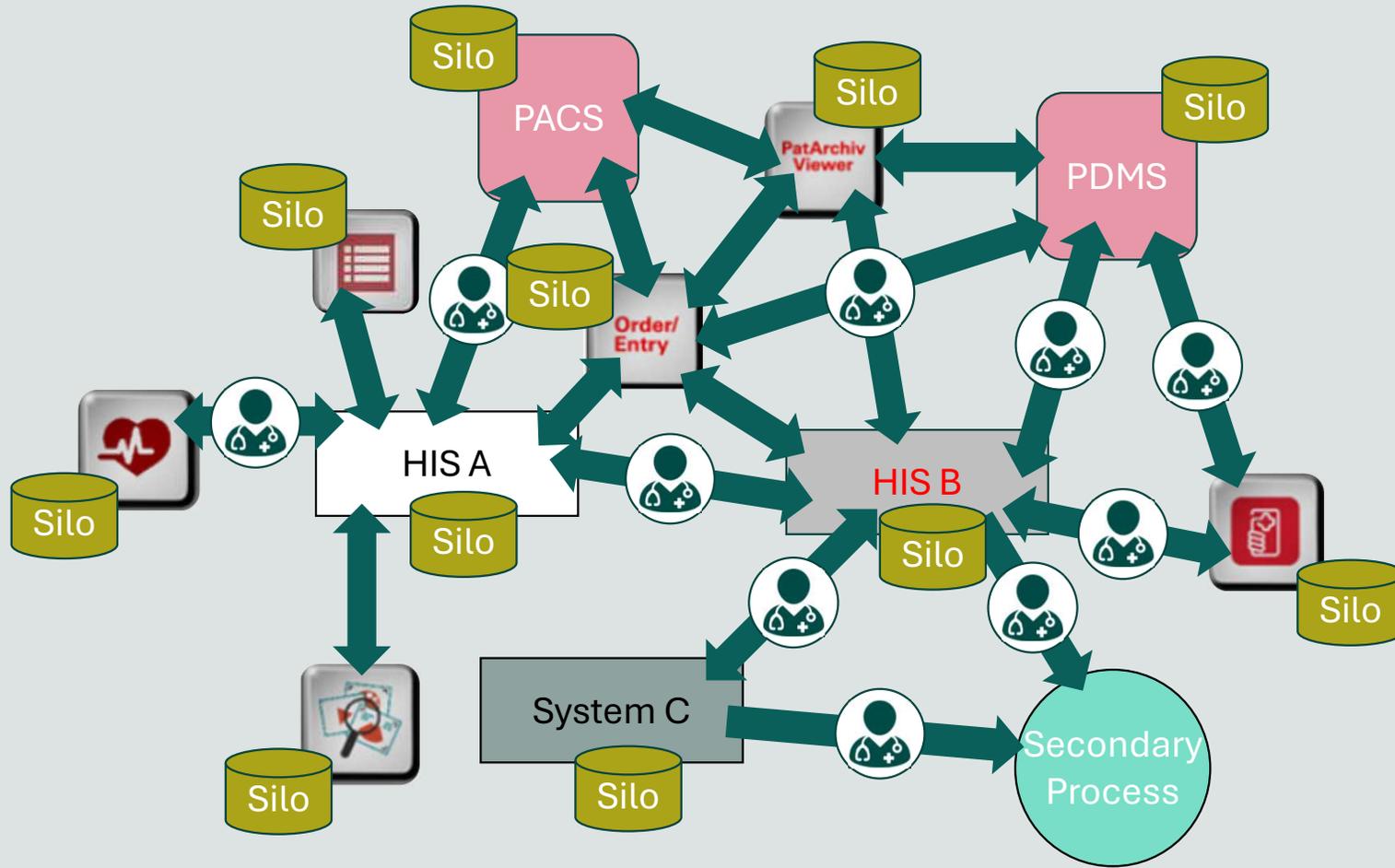
Experiences & developments at  
University Hospital Basel

HiGHmed Symposium «openEHR in Digital Health»

Dr. Amanda Herbrand  
Berlin, January 31st 2025



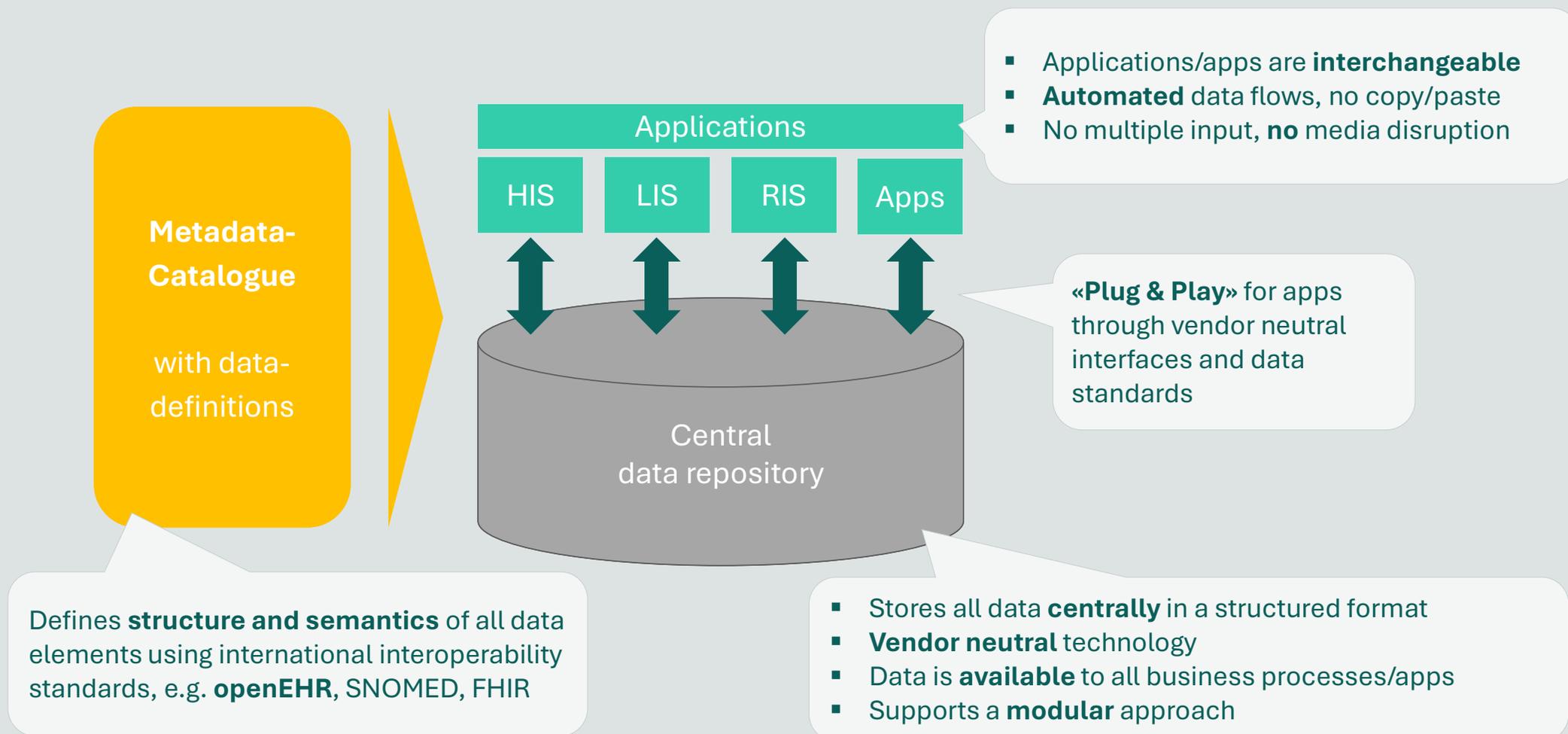
In reality, clinical data capture is characterized by copy/paste in an application landscape shaped by data silos



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	C <u>o</u> py
	P <u>a</u> ste



# In the beginning, there was a vision of a data driven hospital



# The Power of PoC

Q4/2022 PoC to prove the feasibility of a data driven hospital with openEHR

Q2/2023 Decision for public tendering for HIS on top of openEHR platform

Q4/2023 Public announcement of tender

TODAY



**Executing the vision of a data driven hospital!**

# Why did we choose openEHR?

Compliant with our vision of a data driven hospital, e.g. separation of data and applications



Robustness of the data model, supports complex clinical models for primary use



Intuitive approach for clinicians with little technical overhead



International collaboration, headstart through available models



Patient centeredness by design

open  
EHR

# Why no «classic» Hospital Information System aka. Monolith?



## Data silos

- Proprietary data models, fitting the vendor's needs – not the customer's
- Closed system with disadvantages for usability, data exchange and secondary use cases
- Replacing system is difficult – vendor lockin



## Limited flexibility

- «One size fits all» approach with unnecessary features
- Usability for highly specialized medicine not fully covered
- Integration of third-party apps often difficult



## High costs

- High costs and long waiting periods for customizations through vendors
- Often part of the business model

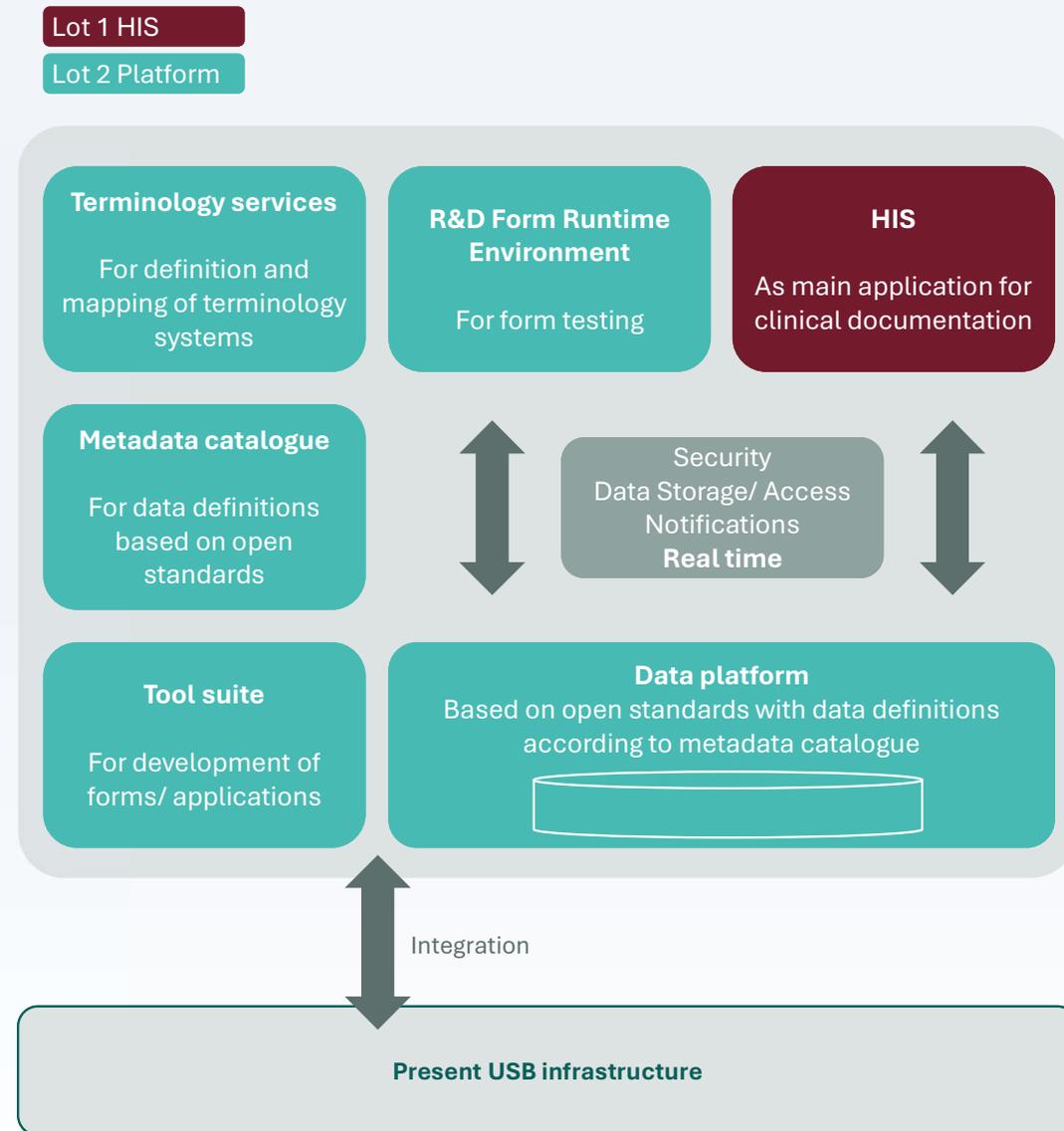
# Status of procurement

## Tender Scope:

- Lot 1: openEHR-compatible HIS
- Lot 2: openEHR CDR, tools for data definition, form development, terminology services, form runtime environment

## Tender Status:

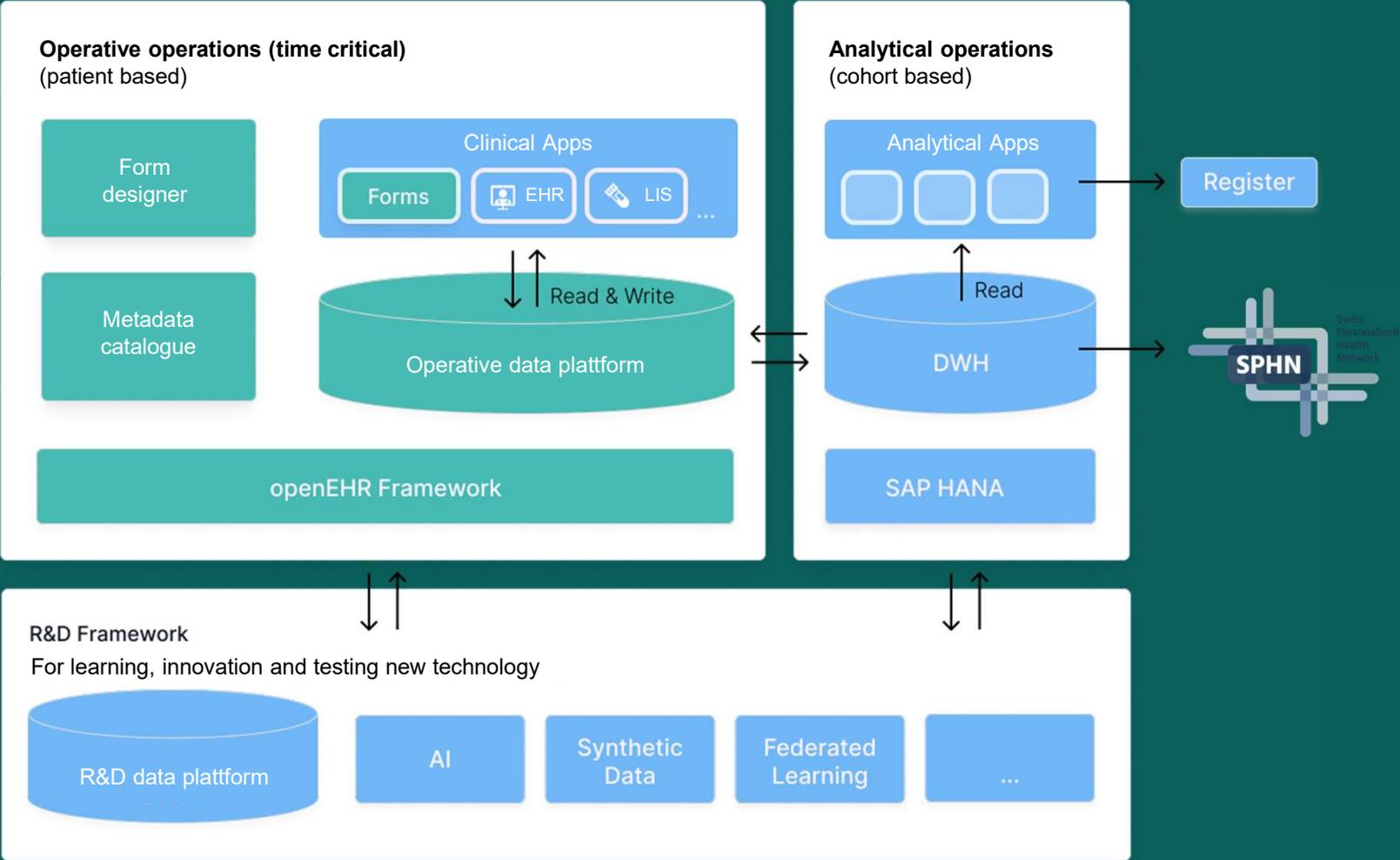
- Lot 1: Stopped
- Lot 2: Direct award to Better in Sept 2024



# Integrating new components in our existing framework

**Key**

- existing
- new





PROMs



Neurology



AI



Clinical  
documentation

## Current projects

We are currently doing projects with quality management, integration of research into routine clinical care, use of LLMs and most importantly clinical care documentation.



# Thank you!

Looking forward to discussing

Let's get in contact

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LinkedIn:

