



**CONNECTATHON<sup>®</sup>**

**BRUSSELS**  **2026** MARCH 23/27



# Previews on IHE Plugathon for openEHR





- Please keep your microphone muted
- Questions during the session?

Please use the chat box. We will address the questions in the second part of the webinar

- Slides will be available on IHE-Europe Connectathon 2026 webpage
- After the webinar, you can find the recording in IHE-Europe YouTube channel

- Welcome and Context Setting
- openEHR Perspective
- IHE Perspective
- What This Plugathon Is and Is Not
- Structure of the 2026 Plugathon
- Participation Model and Expectations
- Timeline and Next Steps
- Q&A





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# Welcome and Context Setting

*Jürgen Brandstätter*



- **Explaining IHE and openEHR perspectives**
- **Explaining the demand**
  - Real-world demand present: *«Get data from openEHR systems using the FHIR standard»*
- **Explain the format of this year's Plugathon**
  - One step towards the solution

- **IHE and openEHR continuing the cooperation**
  - First successful Plugathon last year
- **IHE ready to profile!**
  - Existing IHE profiles available
  - Updating with „openEHR“ options?
- **Market is ready**
  - FHIR standard became the «standard of choice»
  - openEHR solutions deployed
  - **IHE / HL7 FHIR and openEHR vendors meet to get closer!**



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## openEHR Perspective

*Abigail Bouvier and Dr Ian McNicoll*



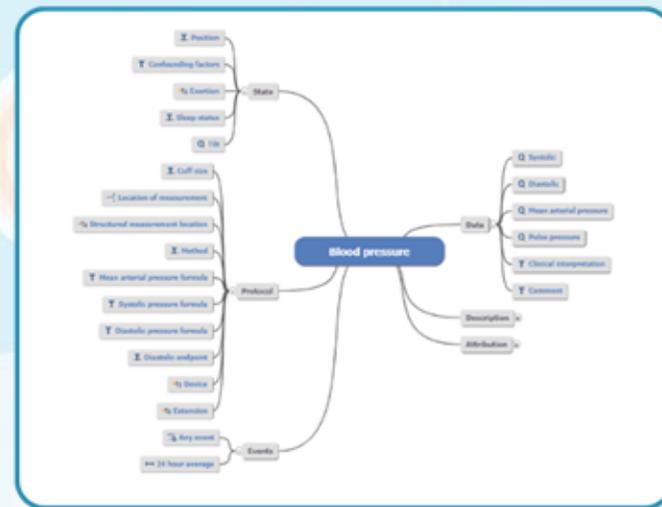
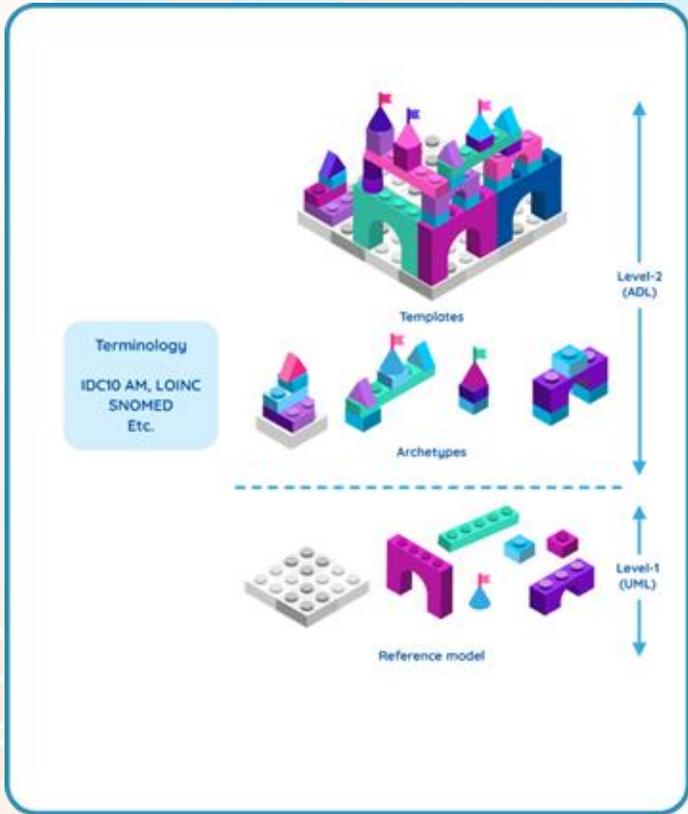
# openEHR collaborations and partnerships

- Increasing unity between standards bodies
- openEHR acknowledges and prioritises collaboration, partnership and joint initiatives
- 'Converge and Collaborate' - partnership with HL7, which has forged 5 joint working groups across various disciplines
- Partnership agreement with SNOMED International
- Joint working group with OMOP
- Ongoing work lending openEHR support to extending existing IHE Profiles

# openEHR in Europe

- Engagement with multiple European initiatives and EU-led programmes
- Live or planned deployments in 18 European countries, including many national/shared care records
- Presence on JIC
- Associate partners of the xShare consortium
- Joining the ESHIA member community
- EHDS-related work will remain an important focus for openEHR

# openEHR 'Native' Clinical Data Repository = Domain Model Driven deployment



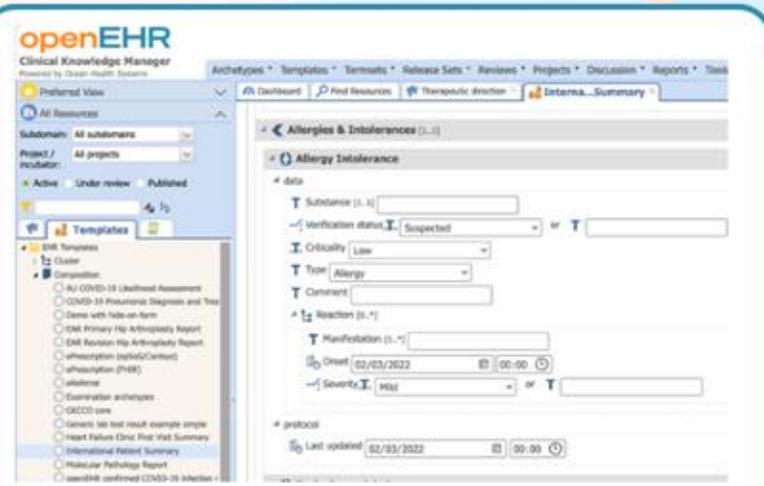
openEHR REST API => CDRs

The screenshot shows the **openEHR REST specifications** interface. The **COMPOSITION** endpoint is selected, showing details for **Create COMPOSITION**. The interface includes a search bar, navigation tabs (APIs Overview, DHR API, Query API, Definition API), and a sidebar with resource endpoints (EHR, EHR\_STATUS, COMPOSITION). The main content area displays the description of the COMPOSITION resource and the parameters for the Create COMPOSITION action.

A vertical list of logos for partner organizations:

- Ocean HEALTH SYSTEMS** (Smart Data. Smart Care.)
- Cabo Labs**
- better**
- CADASTO**
- DIPS**
- EHRbase**

# FHIR-Connect and open-FHIR



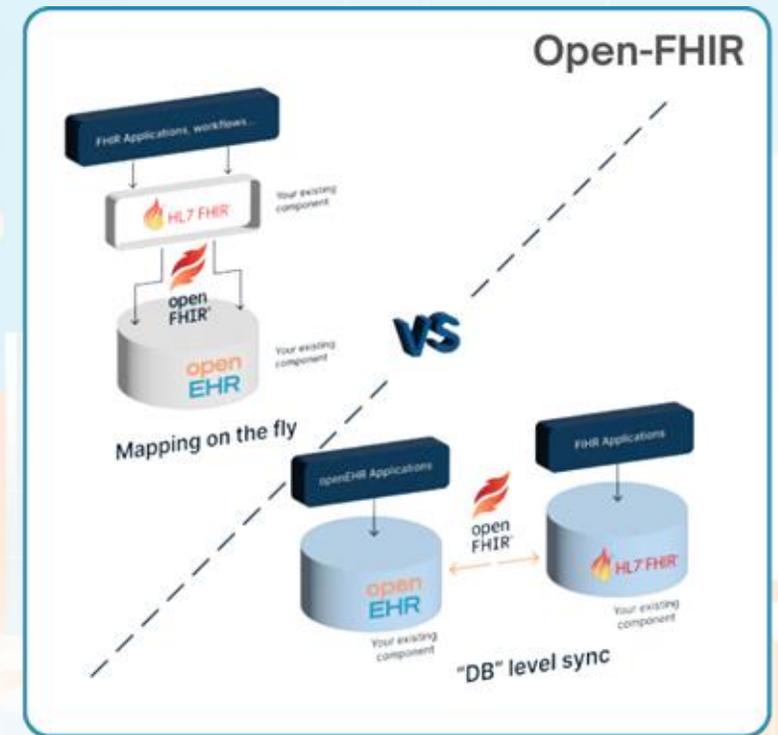
openEHR standard content

```

- name: "code"
  with:
   .fhir: "code"
   .openehr: "data[at0003]/items[at0005]"

- name: "status"
  with:
   .fhir: "$fhirRoot"
   .openehr: "data[at0003]/items[at0073]"
  manual:
    - name: "registered"
     .fhir:
        - path: "status"
          value: "registered"
     .openehrCondition:
        targetRoot: "$openehrRoot"
        targetAttribute: "defining_code/code_string"
        operator: "one of"
        criteria: "at0107"
   .openehr:
      - path: "defining_code/terminology_id"
        value: "local"
      - path: "defining_code/code_string"
        value: "at0107"
      - path: "value"
        value: "registered"
  
```

FHIR-Connect



## openEHR REST API => CDRs





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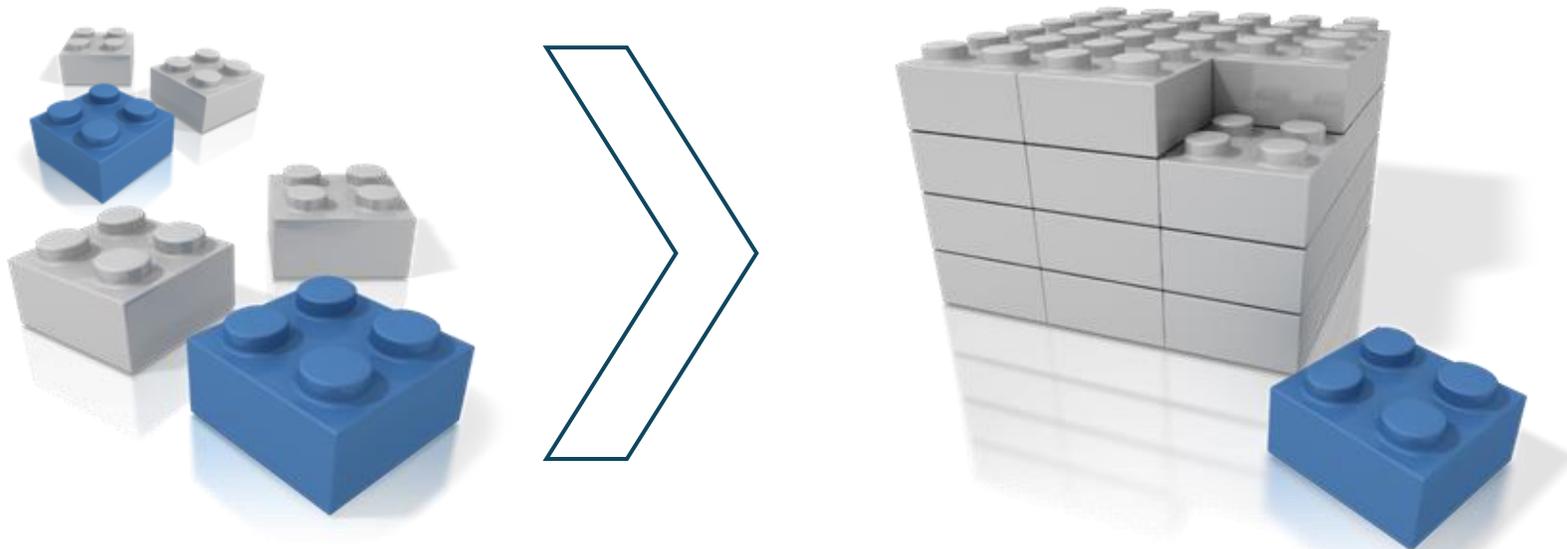


# IHE Perspective

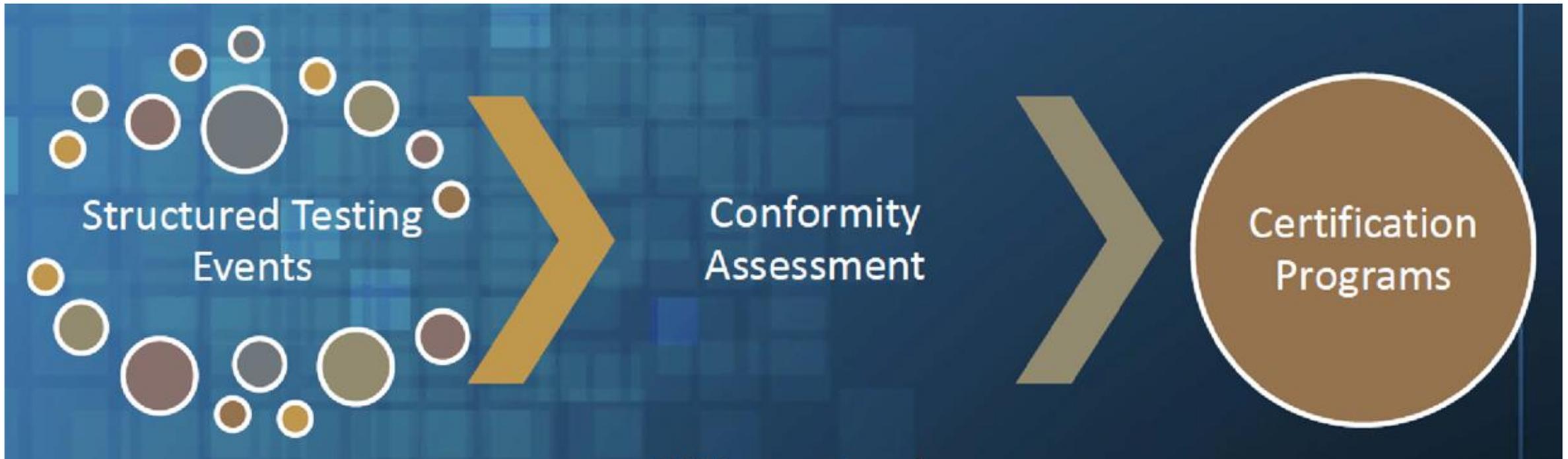
*Jürgen Brandstätter*



# IHE profiles are the building blocks to build a Digital Health Strategy



# The Vision: operate in a certified environment





- Whitepaper
- Standards
- IHE Profile(s) / IG(s)
- Test tools
- Connectathons
- Tested products

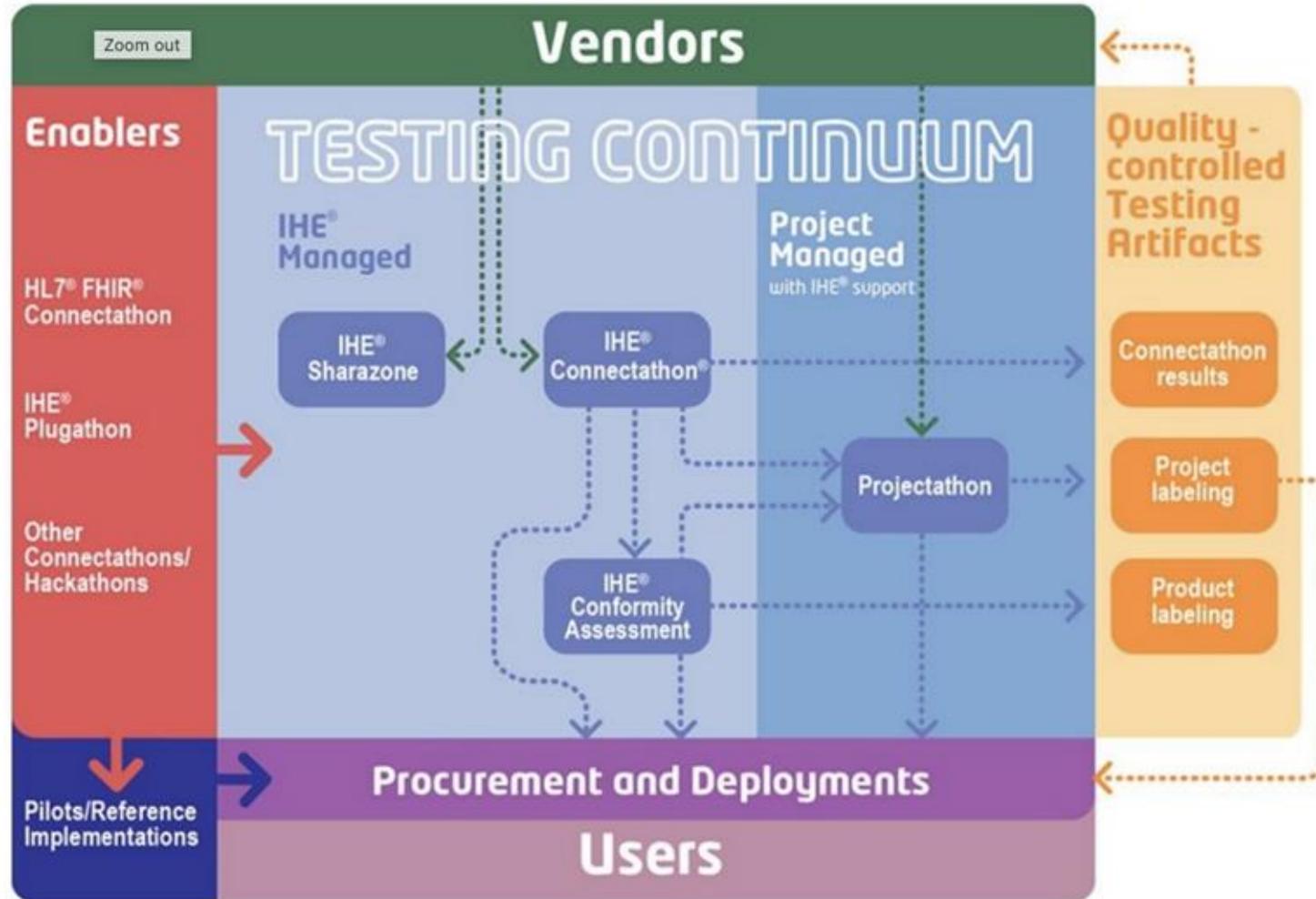
**A** Requirements

The 'Requirements' icon features a large letter 'A' on the left and a silhouette of a classical building with four columns and a triangular pediment on the right.

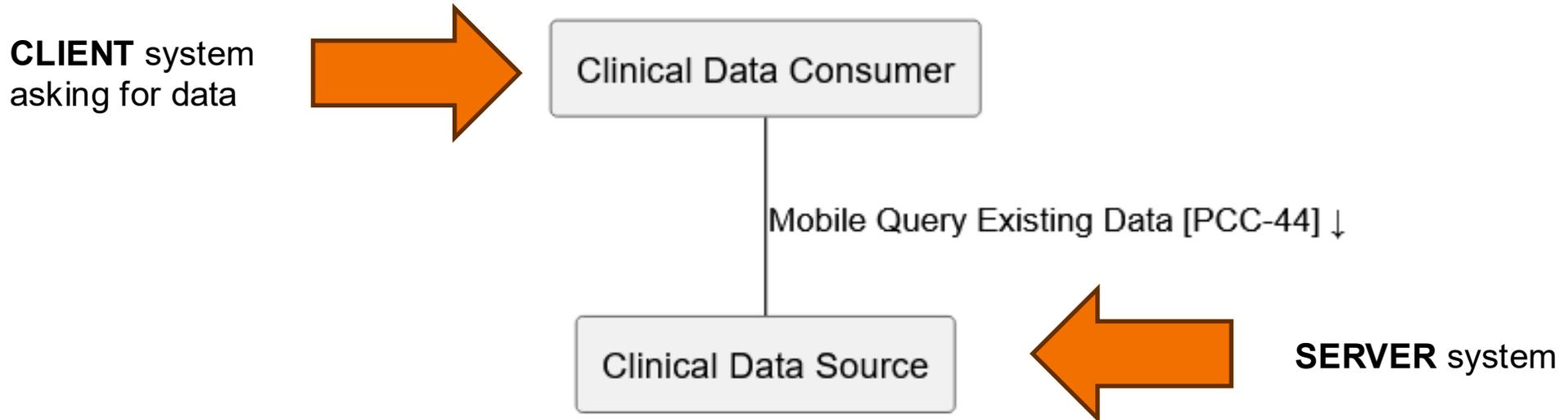
Implementation **Ω**

The 'Implementation' icon shows four hands of different colors (green, orange, blue, light blue) joining together to form a square shape. To the right of this graphic is a large Greek letter Omega (Ω).

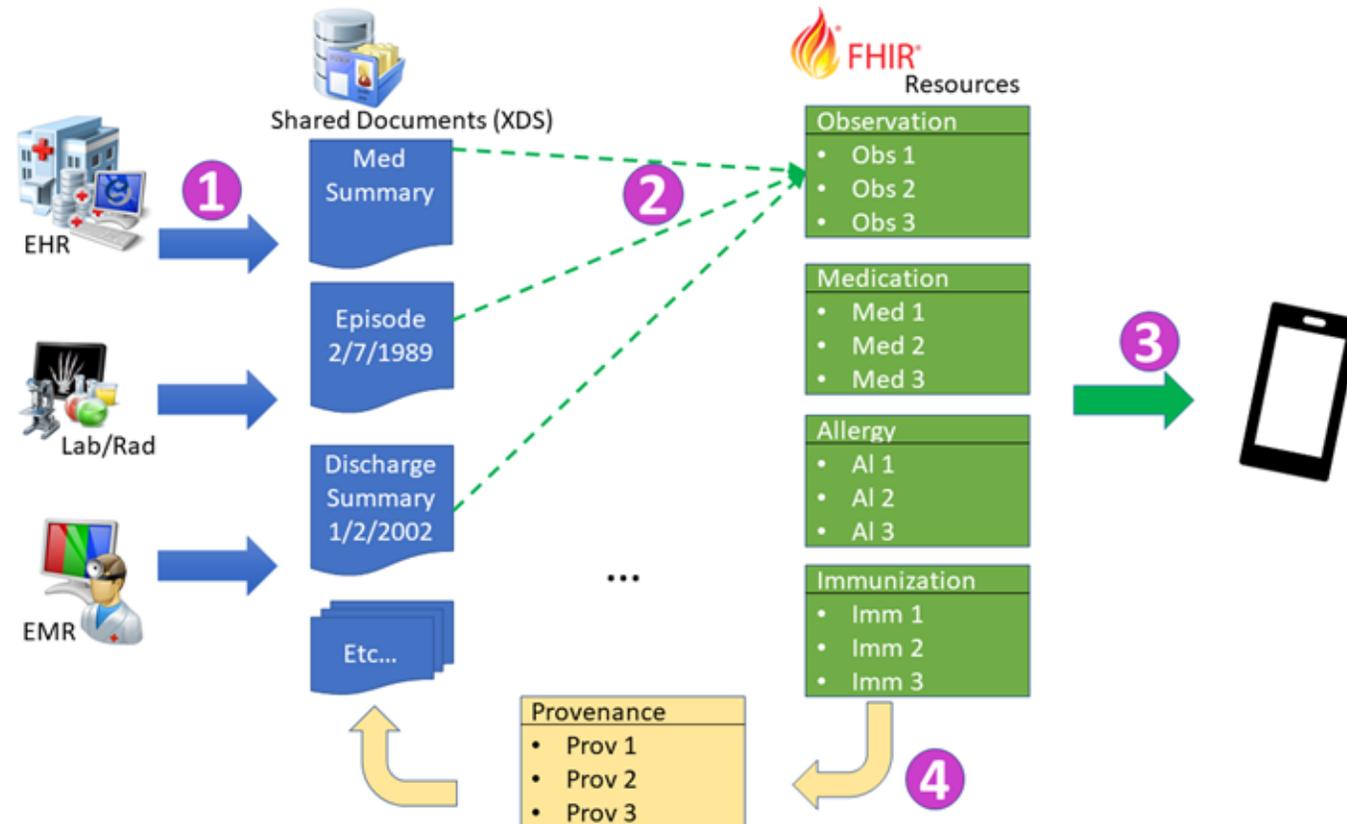
# Testing continuum



## Query for Existing Data for Mobile (QEDm)



## Mobile Cross-Enterprise Document Data Element Extraction (mXDE)





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# What This Plugathon Is — and Is Not

*Davide Spanu*



## WHAT IT IS

### WORKING SESSION

An exploratory yet **structured working session** designed to foster innovation and practical problem-solving among participants in a hands-on, collaborative environment.

### FOCUSED DIALOGUE

A focused dialogue between **implementers and architects**, ensuring that technical discussions are grounded in real-world application and lead to tangible outcomes.

### ACTIONABLE ALIGNMENT

A collaborative environment for generating **concrete insights** and actionable specification alignments that directly address current interoperability challenges in digital health.

## WHAT IT IS NOT

### NOT A SEMINAR

This is not a general **educational seminar** focused on listening only; active participation is required to drive progress and achieve collective goals.

### NOT THEORETICAL

We will avoid purely **theoretical discussions** by concentrating on practical implementation challenges and developing workable, real-world solutions together.

### NOT FOR BEGINNERS

This event is not designed for **absolute beginners**; it requires a foundational understanding of the subject matter to contribute effectively to the discussions.

This event **bridges the gap between theory and practice:**

- We move from knowledge sharing to **active collaboration**
- Focusing on **actionable alignment** over abstract concepts
- Creating a space for **expert dialogue** and tangible results
- This ensures all **outcomes** are **practical** and **implementable**



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# Structure of the 2026 Plugathon

*Davide Spanu*



## PART 1 - CONSOLIDATION

The first half-day is dedicated to establishing a solid foundation. We will focus on key technical areas including:

- QEDm Profile;
- IPS structure;
- MHD Profile.

These presentations will be followed by structured discussions, providing a forum for clarification and in-depth exploration. The primary goal is to achieve a **shared, comprehensive understanding of the current interoperability landscape**, ensuring everyone is aligned for the collaborative work to follow.

## PART 2 - USE CASES & GAPS

The second half-day **shifts from theory to practice**, focusing on real-world applications and future needs. This session is designed to be highly interactive, centering on identifying and analyzing practical **use cases**, current **pain points** experienced by implementers, and critical **specification gaps** that hinder progress in healthcare interoperability.

Activities will include:

1. **Structured Discussions:** Facilitated conversations to systematically gather insights from all participants on their experiences and challenges.
2. **Interactive Working Sessions:** Collaborative, hands-on workshops where attendees can brainstorm solutions, prototype ideas, and document requirements in real-time.

This collective effort is crucial for gathering the detailed, ground-level feedback needed to drive meaningful advancements. The outcome of this session will be a rich collection of documented challenges and opportunities, directly informing the next steps.

## OVERALL OUTCOME

The combined efforts of both half-days will culminate in a significant and tangible deliverable. The primary outcome is the generation of **concrete inputs** that will directly shape the **future roadmap** for IHE and openEHR specifications, ensuring they evolve to meet real-world needs.



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# Participation Model and Expectations

*Jürgen Brandstätter*



- **Vendors of the HL7 FHIR / IHE community**
  - Come if you have the business need to get data from OpenEHR
- **Vendors of the openEHR community**
  - Come if you have the business need to act as a data repository to the FHIR world
- **Integrators**
  - Come if your business is to „bridge“ the FHIR world to OpenEHR

# Required preparation

## Level of technical engagement expected

- **Preparation helpful, but not required**
  - Bring your technicians / standards people
  - **If you can, bring your system (for experimentation)**
    - IHE systems: no need to change your system (standard IHE actors)
    - OpenEHR systems: no need to change your system (support AQL)
  - If you can, familiarize yourself with the IHE profiles mentioned in this webinar
- **Technical level**
  - Deeper knowledge depends on from which „side“ you are coming
  - IHE Profiles and HL7 FHIR
  - openEHR, Open-FHIR, FHIR-Connect, Archetype Query language (AQL)

- **Structured Discussions**
  - Participate pro-actively
  - Listen & learn
  
- **Interactive Working Sessions**
  - Experiment with your software
  - Contribute real-world experiences
  - Propose changes to standards or projects onsite

- **Depending on the Plugathon outcome**
  - Goal: moving closer together!
- **On IHE side**
  - Potentially change proposals to the IHE profiles to include „openEHR“ options
  - Need to be discussed in IHE development domains
- **On openEHR side**
  - Changes in Open-FHIR, FHIR-Connect projects?



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# Timeline and Next Steps

*Nicole Veggiotti*



Integrating  
the Healthcare  
Enterprise



9:30 - 9:45	Welcome of both parties (IHE and openEHR)
9:45 - 10: 30	How to query for data with IHE Profiles QEDm, mXDE and MHD
10:30 - 11:00	Coffee break
11:00 - 11:45	Current openEHR to FHIR connections: FHIR Connect, openFHIR
11:45 - 13:00	Workshop/Discussion/Experimentation: Goal: How to align IHE Profiles with current FHIR connection projects Extensions to IHE Profiles, FHIR Connect and openFHIR to make them work together and in line.
13:00 - 14:00	Lunch
14:00 - 14:45	Use cases overview
14:45 - 15:30	Future direction? openEHR modelling, FHIR and IHE logical models
15:30 - 16:00	Coffee break
16:00 - 16:30	Roadmap, Next steps and closing

When? **Thursday, 26 March 2026, full day.**

Where? At **The EGG Brussels**, a dynamic venue in the heart of Europe.

To attend the IHE Plugathon for openEHR please fill in this form:

<https://forms.clickup.com/4728722/f/4g9wj-12152/MASAZDEN6BF800DRZL>

\*

**Fee: 250€**

Please note that if you are already registered as an IHE-Europe Connectathon participant, no payment is required.



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# Questions?





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**Thank you for your attention**  
**Hope to see you in Brussels!!!**

