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**VIENNA 2025**  
24-25 JUNE 🇦🇹



# EURIDICE specifications for the EHDS



Giorgio Cangioli, HL7 Europe



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# Who am I?



## Giorgio Cangioli, PhD

MSc in Physics | PhD in Energy Engineering

Member of the HL7 International Technical Steering Committee and Board  
Technical Lead and Board Member, HL7 Europe  
Chair, eHMSEG STF Architecture Working Group

Experienced consultant in digital health and interoperability, supporting EU institutions and national stakeholders in designing and implementing standards-based solutions.

Active in cross-border health data exchange, with a focus on practical application of HL7 FHIR and alignment with the European Health Data Space.

# Who am I?



## Dr. Andreas Klingler

MSc in Technical Informatics

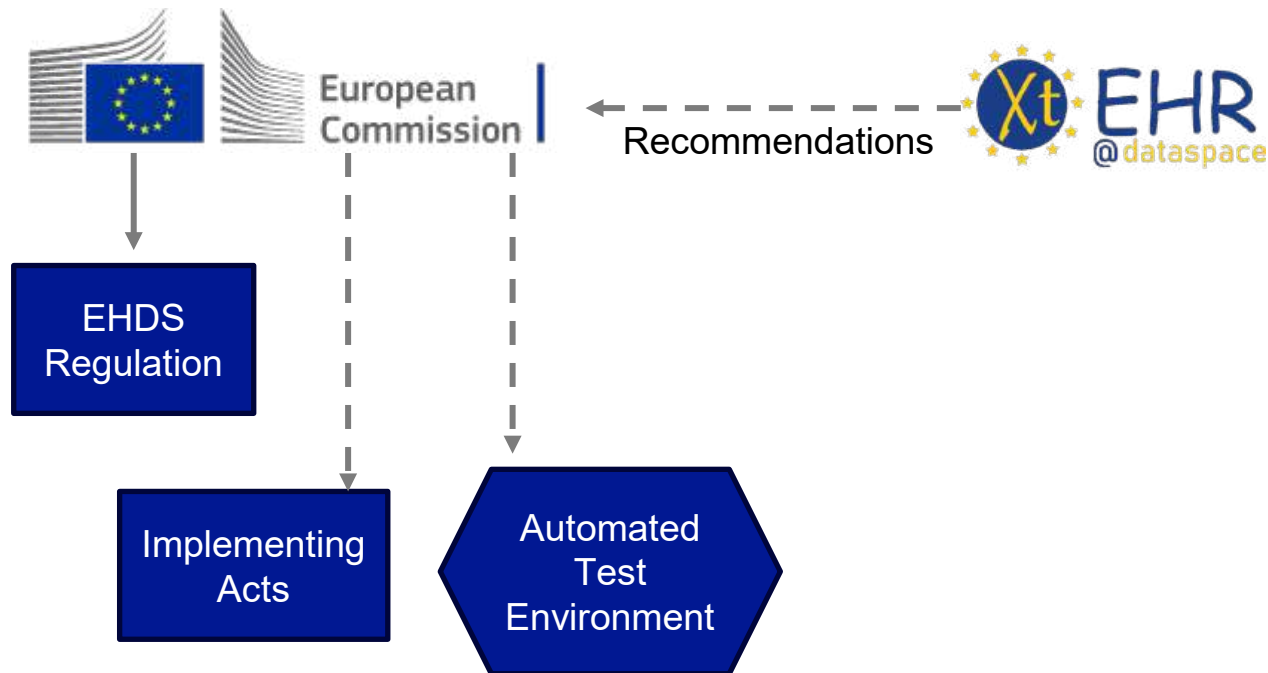
PhD in Medical Informatics

Member of the IHE International Board, IHE-Europe Deputy Vendor Co-Chair, Chair of the COCIR Interoperability Focus Group, member of the DICOM Executive Committee, member of the MTE Interoperability Work Group, past Chair of the Joint Initiative Council (JIC).

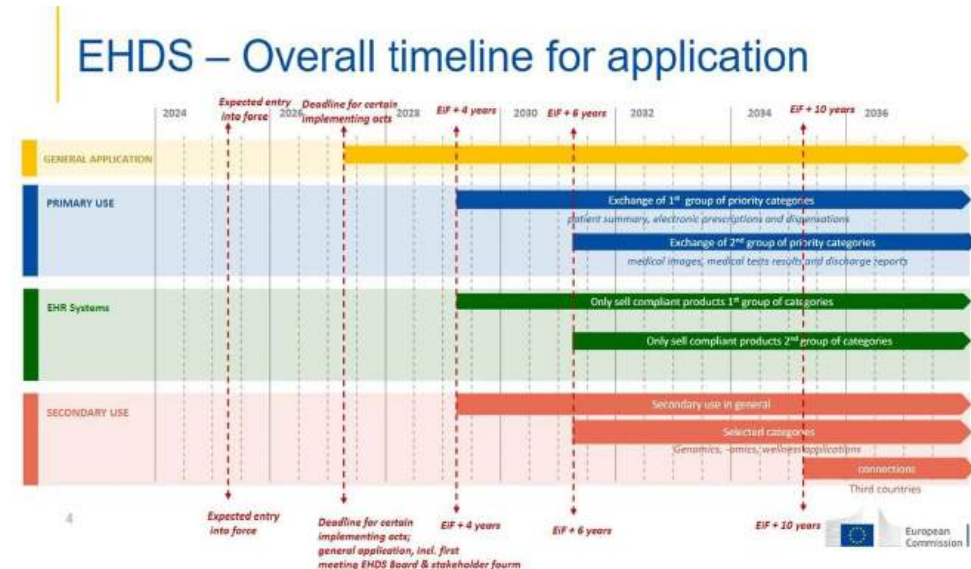
More than 30 years background in digital health interoperability standards, software development and information technology. Currently heading the Interoperability Competence Center at **Siemens Healthineers**.

The Interoperability Competence Center verifies the interoperability of Siemens Healthineers imaging products and coordinates the Siemens Healthineers representatives in imaging related interoperability standards working groups.

# Interoperability Specifications for the EHDS



To facilitate implementation, it is important that these are grounded in existing (international) consensus standards and established mechanisms to the greatest extent possible.

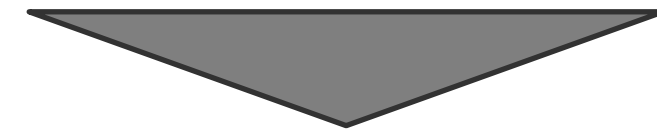


# EHDS Primary Use Data Communicatoion

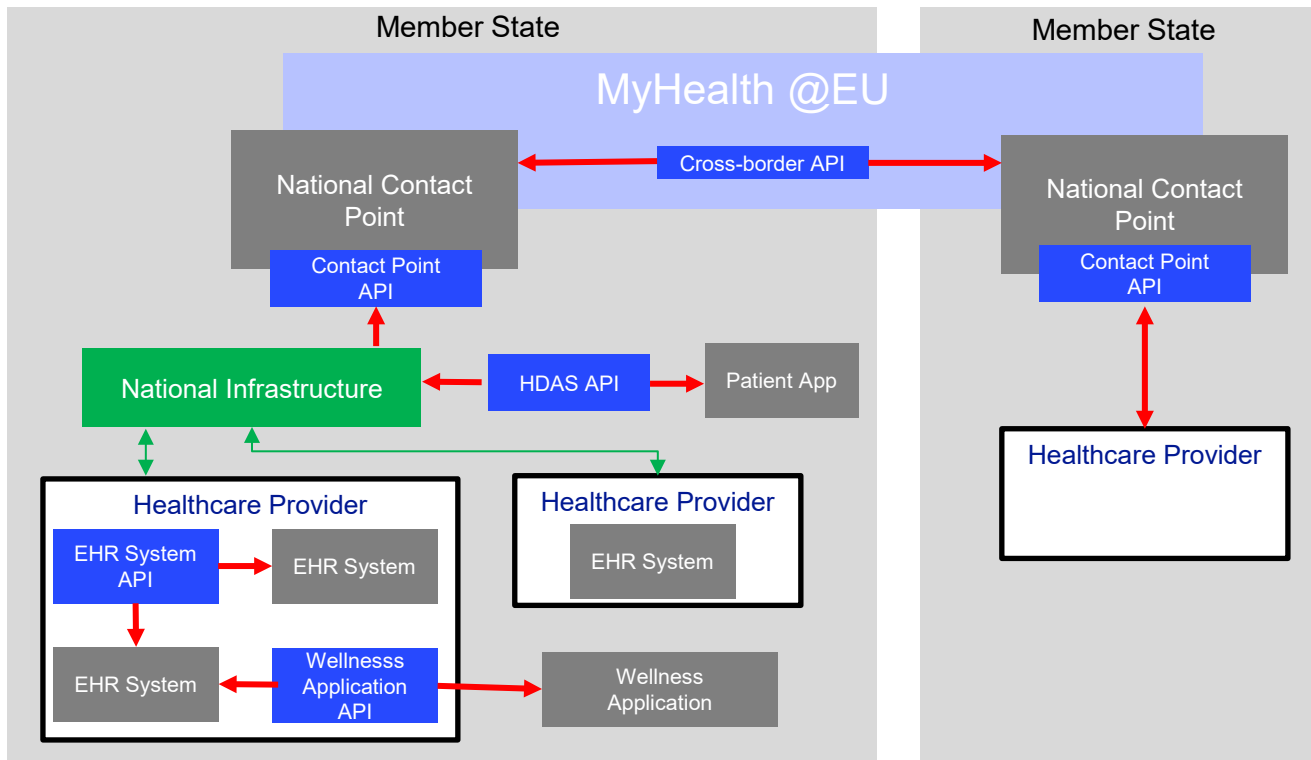
The European Commission will by March 2027 define the technical requirements in Implementing Acts with input from Xt-EHR

IHE has many Profiles which can be used in the context of the EHDS

- Still necessary to describe which Profiles to use where and in with combination
- EU specific requirements need to be addressed (e.g. on data content)



IHE-Europe and HL7 Europe join forces to fill the gaps and **propose** specifications to XT-EHR



Data Content and Transport



# Collaboration: HL7 Europe - IHE Europe



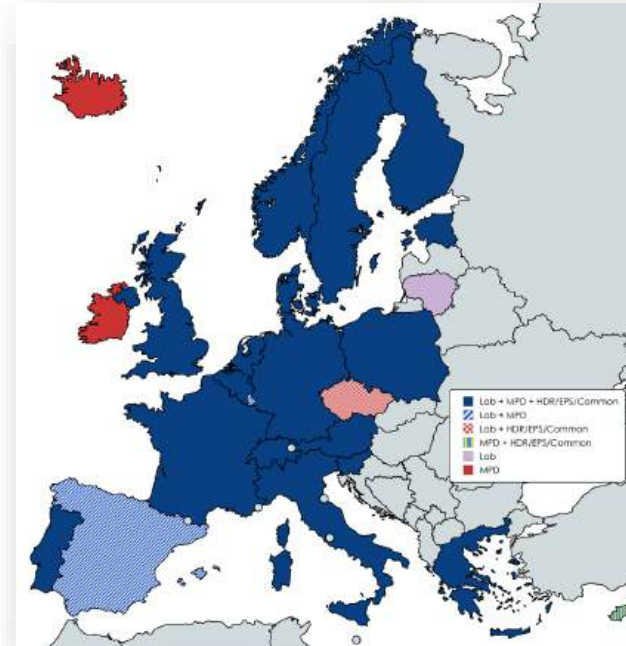
# Why HL7 (Europe): Consume with Confidence



- Built through **open, transparent, and consensus-driven processes**
- Continuously maintained and evolved by a global and European **community** of experts
- A **neutral platform** supporting national and **regional** health programs
- Broad and active **stakeholder engagement** across sectors
- Fueled by multi-stakeholder communities **turning standards into practice**

# Why HL7 (Europe): Collaborative Development in Motion

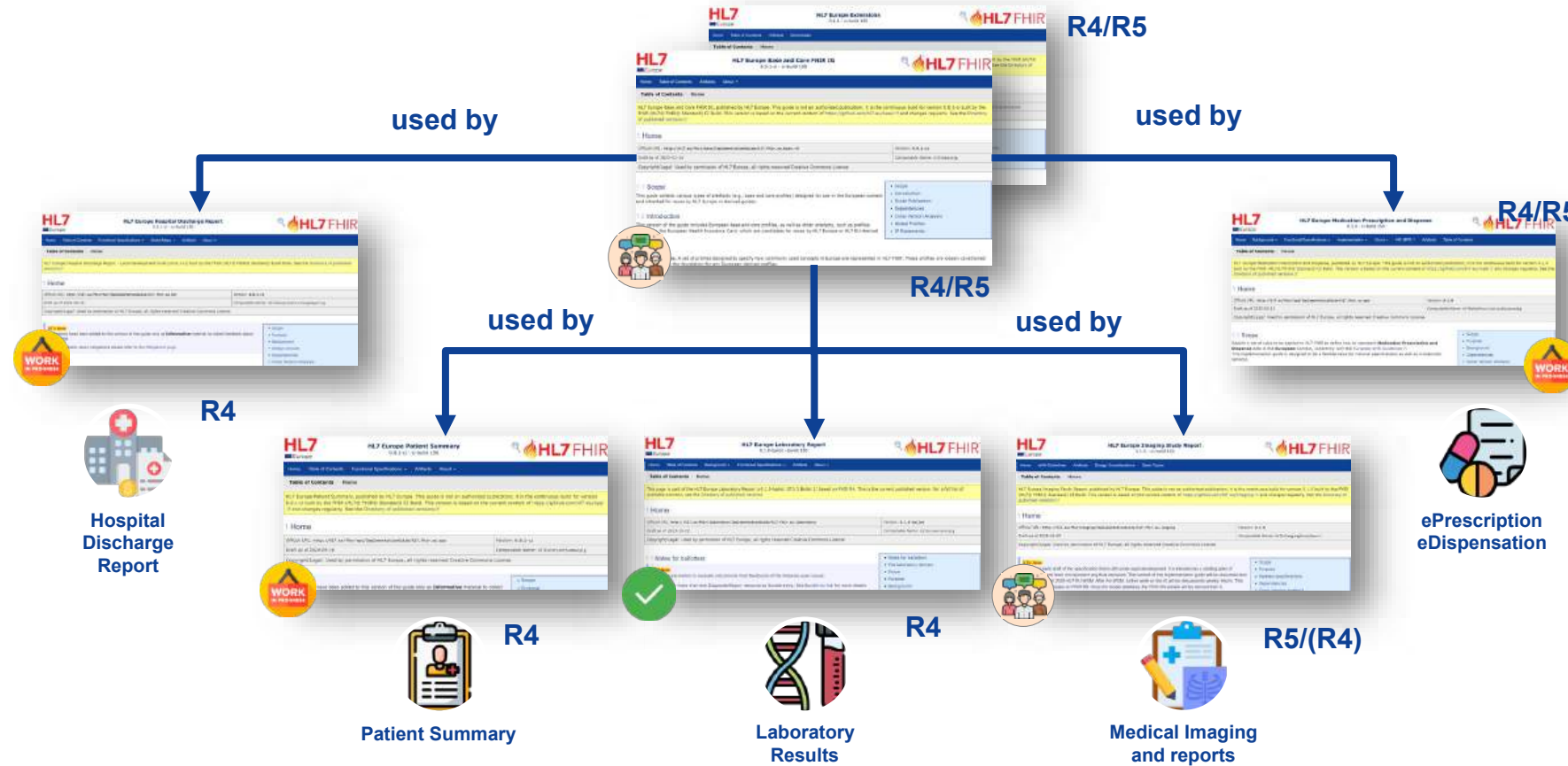
- The result of a highly participatory, multi-stakeholder process spanning the European health ecosystem.
- Laboratory Report: **113 distinct participants** from **22 countries** (including USA) and EC Solution Providers [average ~30 attendees]
- MPD: **114 distinct participants** from **26 countries** (including USA) and EC Solution Providers [average ~30 attendees]
- HDR/EPS/Common: **160 distinct participants** from **24 countries** (including Sri Lanka, United Arab Emirates, Saudi Arabia and USA) and EC Solution Providers [average ~35 attendees]



**My health @ EU**  
eHealth Digital Service Infrastructure  
A service provided by the European Union



# Why HL7: delivered solutions for Europe



# Why IHE (Europe)



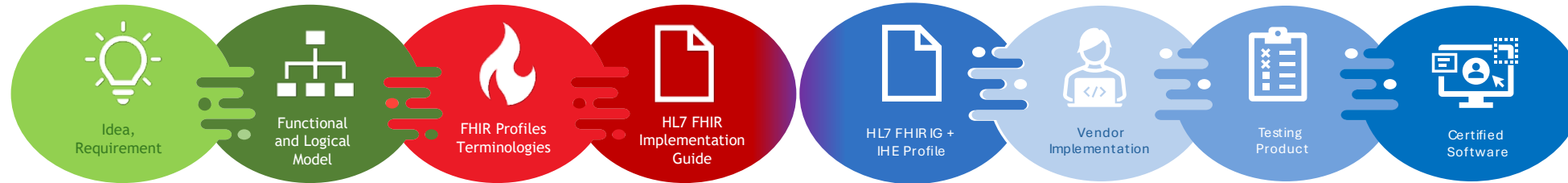
- Long history of **Engagement in EU projects** leading to the EHDS since epSoS
- Focus on the **Use Cases**
- Well structured **specifications** with proven implementation which can be leveraged
- **IHE EU Connectathon®** with detailed test plans and impartial „monitors“
- **Published results** allow to assess market availability of IHE-Profile implementations:  
<https://connectathon-results.ihe.net/>
- **IHE SHARAZONE** supports sharing of test data among vendors



More than 80 IHE Connectathons performed in over 25 years.

“Connectathon” is a trademark registered by IHE-Europe at the EUIPO

# The Creation, Testing and Validation Continuum



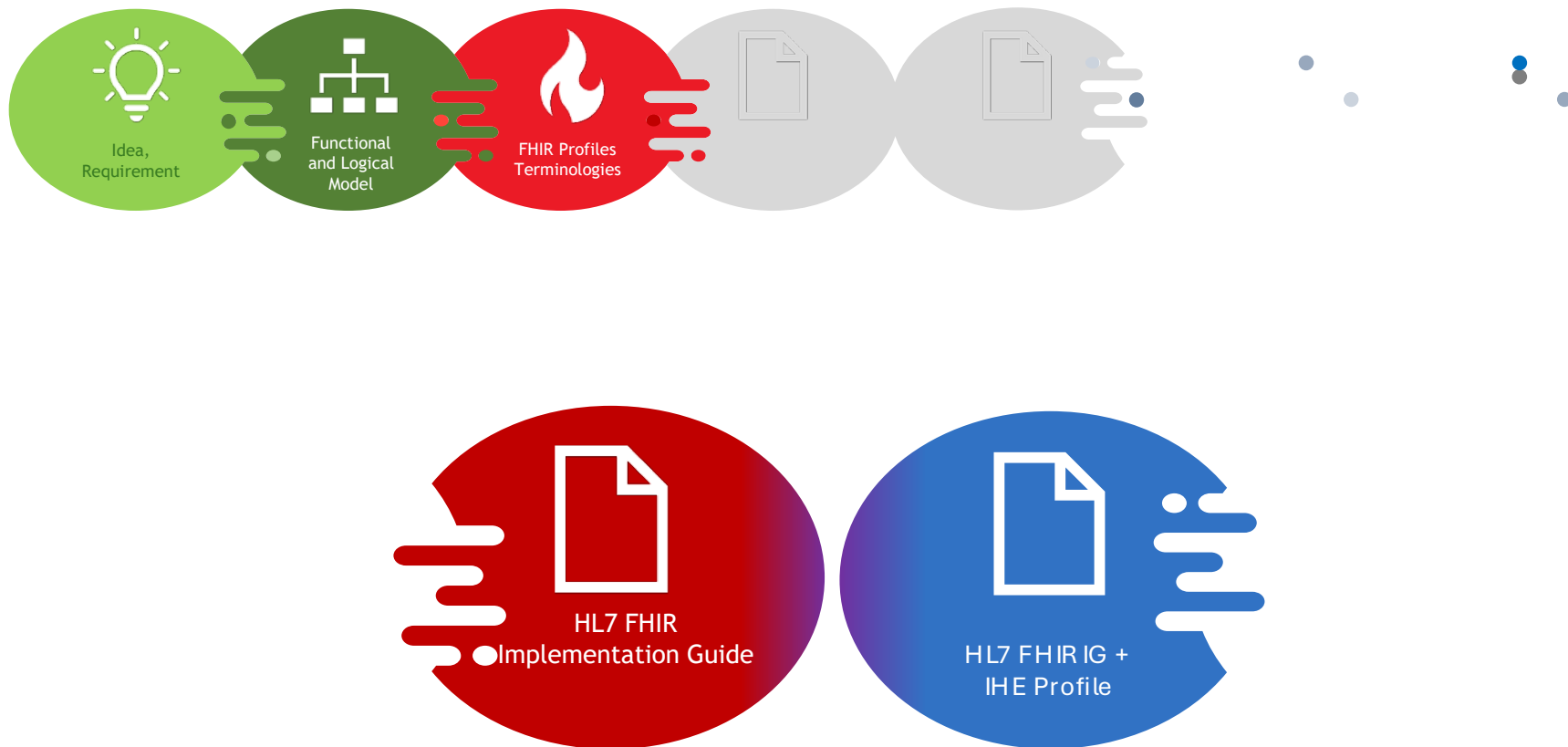
Requirement

Specification

Product



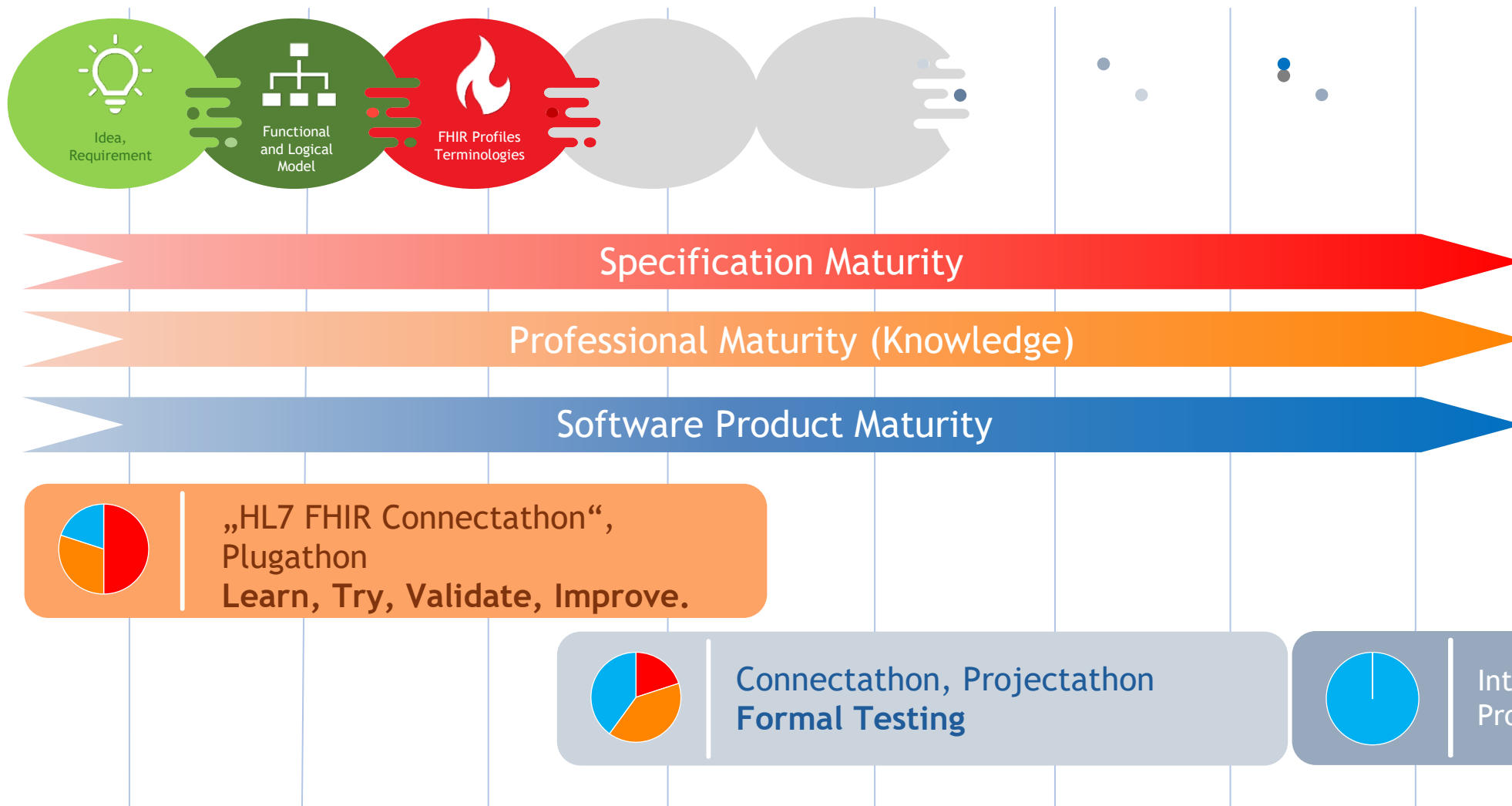
# One logical guide for the whole continuum



# One logical guide for the whole continuum







## Collaboration Goals

Joint co-branded Standards  
The best from both

Initially to address EHDS requirements  
First Pilot:  
Imaging Study Report

(aligned with the IHE International RAD Imaging Diagnostic Report)

Offer these specifications to  
Xt-EHR and the EC  
for possible adoption by the  
EHDS Implementing Acts

Propose the derivation of  
global level specifications, as  
applicable



euridice.org


European Interoperability  
Specifications  
for Digital Solutions in Healthcare

To be referred from




by





Euridice Project

0.1.0 - ci-build



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Euridice Project - Local Development build (v0.1.0) built by t

versions

1 Home

Official URL: <http://euridice.org/ImplementationGuide/euridice>

Draft as of 2025-06-20

Actors Description

Implementation Notes

Logical Models to profiles maps

Transaction Details

Workflow Overview

Build Tools. See the [Directory of published](#)

Version: 0.1.0

Computable Name: Euridice

1.1 Scope short

1.2 Purpose short

1.3 Background short

1.4 Contact & Feedback

IG © 2025+ HL7 Europe / IHE Europe. Package [euridice.org#0.1.0](#) based on [FHIR 4.0.1](#). Generated 2025-06-20

[Links: Table of Contents](#) | [QA Report](#)

w.i.p.  
draft

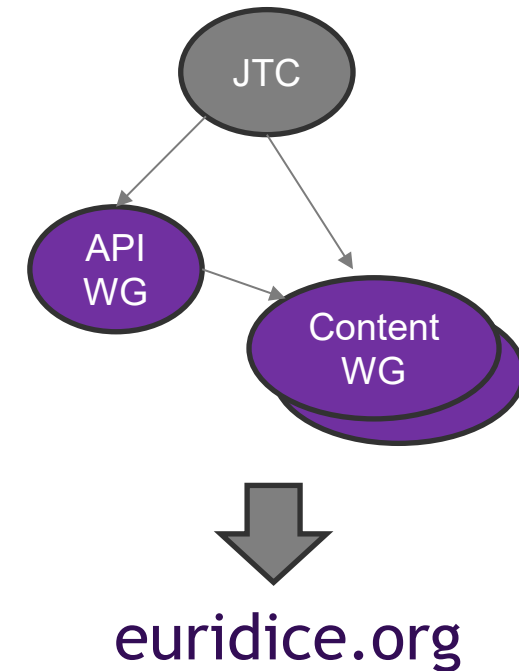
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# Next Stop: Joint “API” Working Group

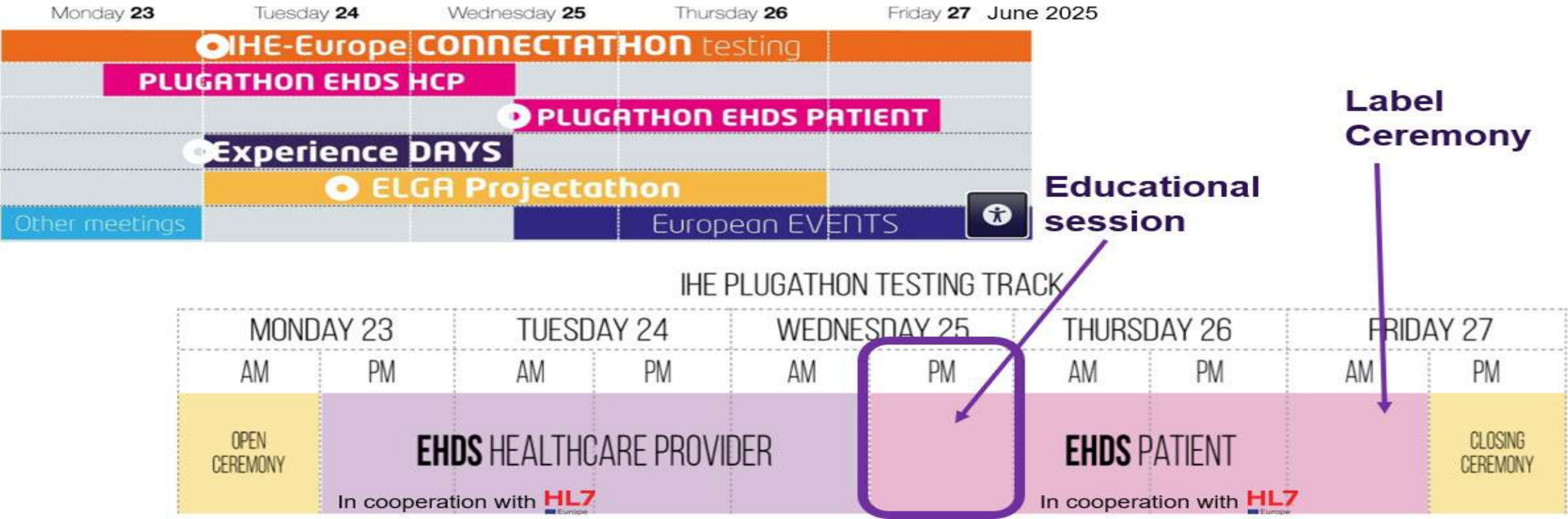
Specification of Actors and Transactions which can address EHDS regulation and Xt-EHR requirements for

- Various types of „EHR Systems“
- Wellness applications
- Cross-border infrastructure
- Connection with national infrastructure
- Health Data Access Services

Based on existing (international) specifications as applicable.



# Current Stop: EHDS Plugathons






You can find / reach us here:



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Lead, Board member HL7 Eur...



**Andreas Klingler**  
Head of Interoperability Competence Center  
at Siemens Healthineers

