

Welcome

HL7 Europe Working
Group Meeting
and EU-a-thon

10-14 February 2025,
Lisbon, Portugal



HL7[®]
Europe 

HL7 Europe WGM and EU-a-thon – Opening

Introductions

*Catherine Chronaki,
Henrique Martins*



HL7 Europe WGM and EU-a-thon – Opening

- **Introductions**
Catherine Chronaki, Henrique Martins
- **Keynote**
Diego Kaminker
- **HL7 FHIR for EHDS**
Rutt Lindström
- **European and Global Interoperability**
Brian E. Dixon
- **Honoring members of the HL7 Europe Board of Directors**
- **Phoenix European Cancer Initiative opening and launch**
Giorgio Cangiolli
- **EU-a-thon: scope, goals, and further developments**
Kai Heitmann, Giorgio Cangiolli, János Vincze
- **Logistics and event information**
Kai Heitmann

HL7 Europe WGM and EU-a-thon – Opening

**Keynote: Accelerating HL7 FHIR
Adoption – Global Trends**

Diego Kaminker



HL7 Europe WGM and EU-a-thon – Opening

HL7 FHIR for EHDS

Rutt Lindström



HL7 FHIR for EHDS

HL7 Europe WGM & EU-a-thon

11 February, 2025

Rutt Lindström



Presenter: Rutt Lindström



eHealth Network
Subgroup of Semantics



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



EHDS Priority Categories

Article 14

Priority categories of personal electronic health data for primary use



For the purposes of this Chapter, where data are processed in electronic format the priority categories of personal electronic health data shall be the following:

Patient Summary



(a) patient summaries;

Medication Prescription &
Dispense



(b) electronic prescriptions;

(c) electronic dispensations;

Medical Images and Reports



(d) medical imaging studies and related imaging reports;

Laboratory Result Report



(e) medical test results, including laboratory and other diagnostic results and related reports; and

Hospital Discharge Report



(f) discharge reports.

The Task

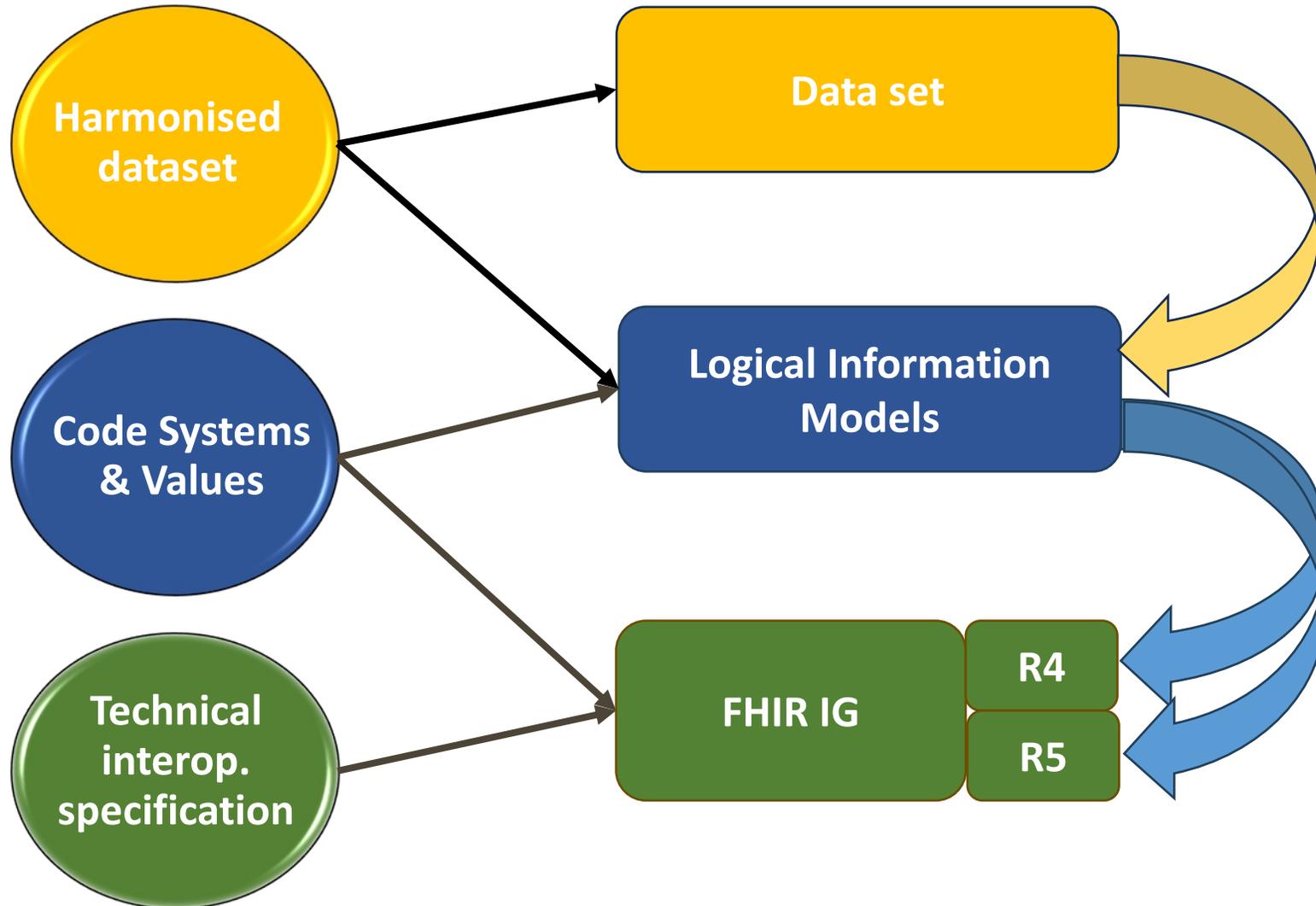
Article 15

European electronic health record exchange format

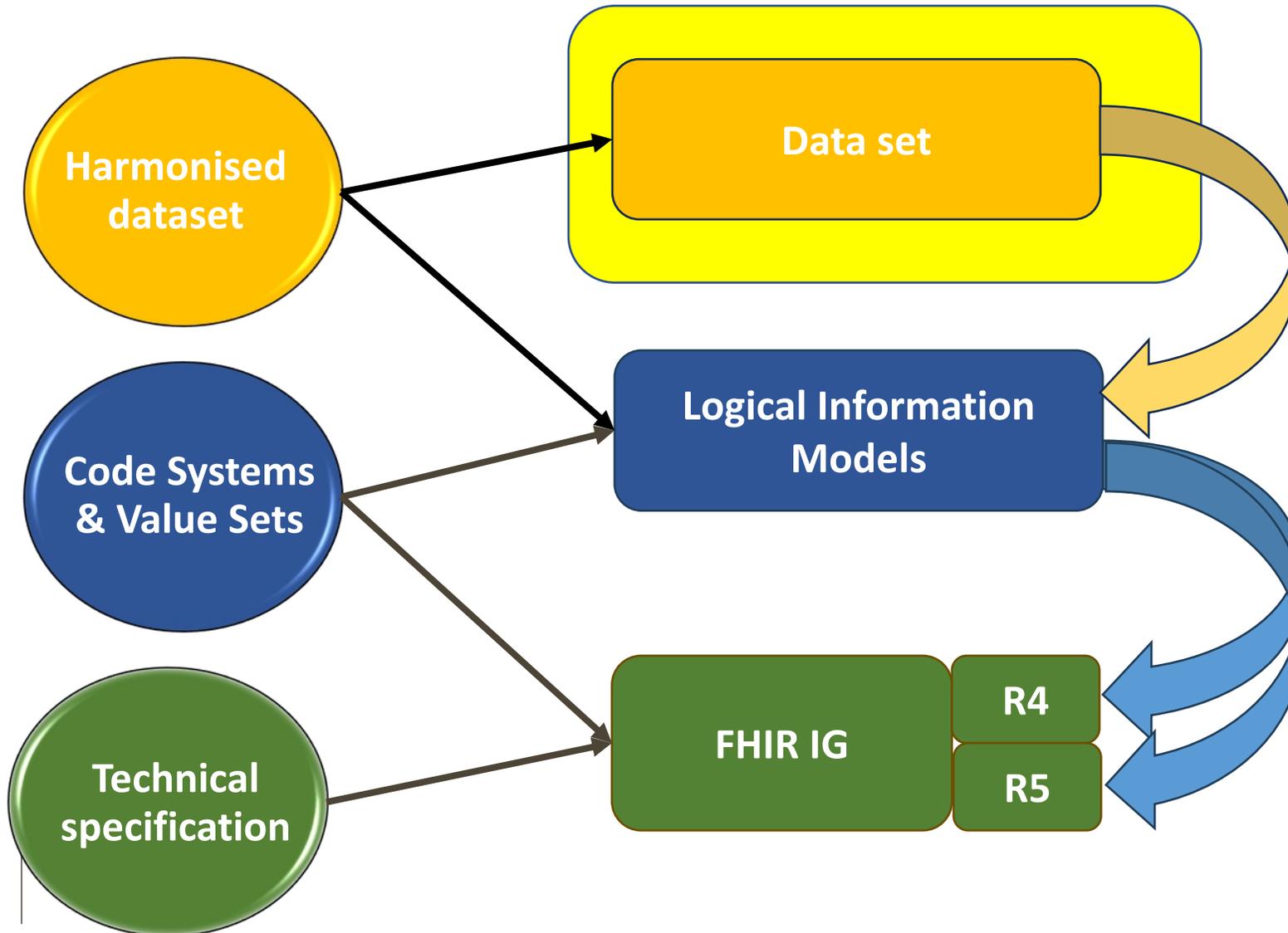
By ... [two years from the date of entry into force of this Regulation], the Commission shall, by means of implementing acts, lay down the technical specifications for the priority categories of personal electronic health data referred to in Article 14(1), setting out the European electronic health record exchange format. Such format shall be commonly used, machine-readable and allow transmission of personal electronic health data between different software applications, devices and healthcare providers. Such format shall support transmission of structured and unstructured health data and shall include the following elements:

- (a) harmonised datasets containing electronic health data and defining structures, such as data fields and data groups for the representation of clinical content and other parts of the electronic health data;
- (b) coding systems and values to be used in datasets containing electronic health data;
- (c) technical interoperability specifications for the exchange of electronic health data, including its content representation, standards and profiles.

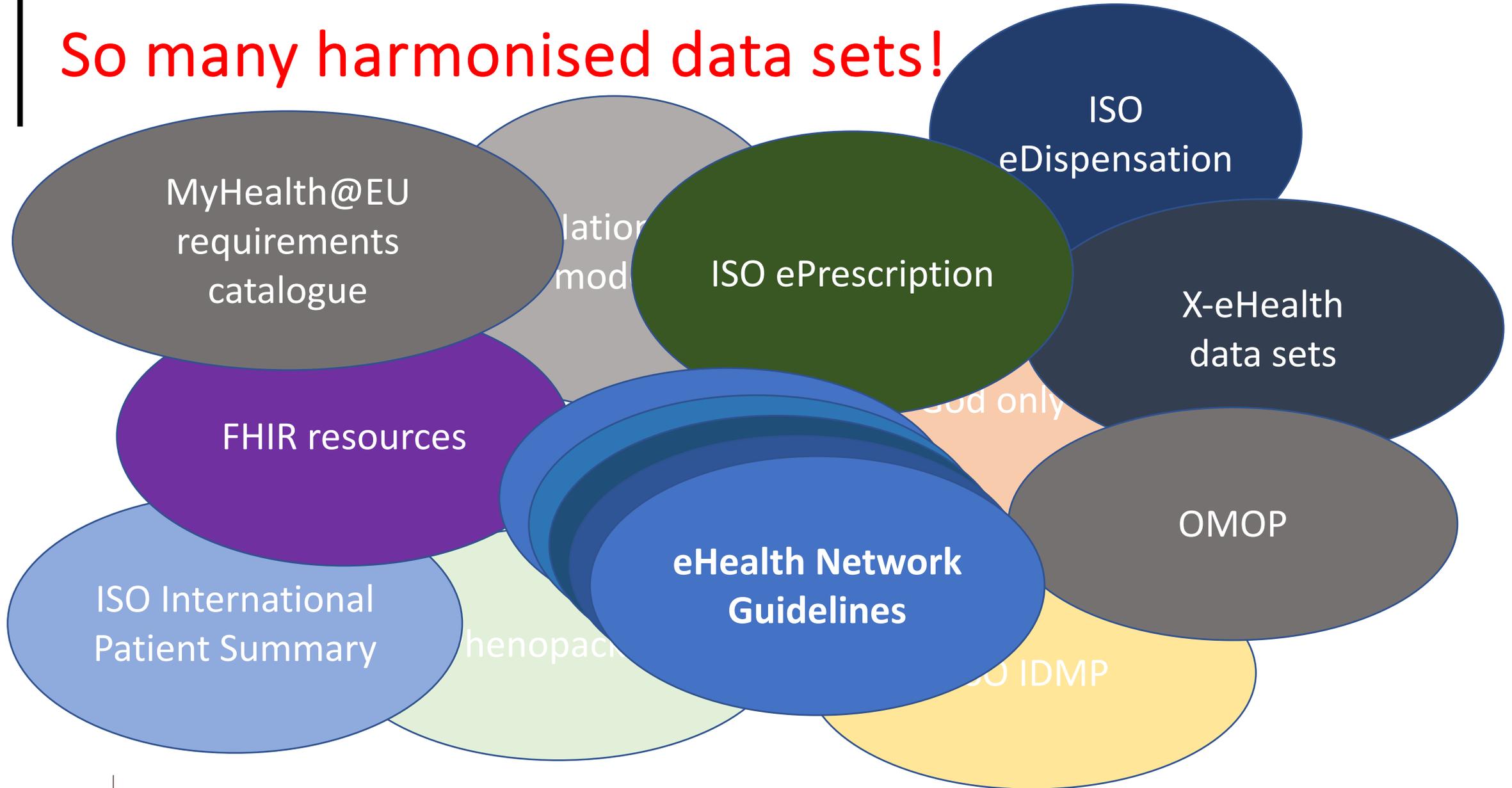
EEHRxF: European EHR Exchange Format



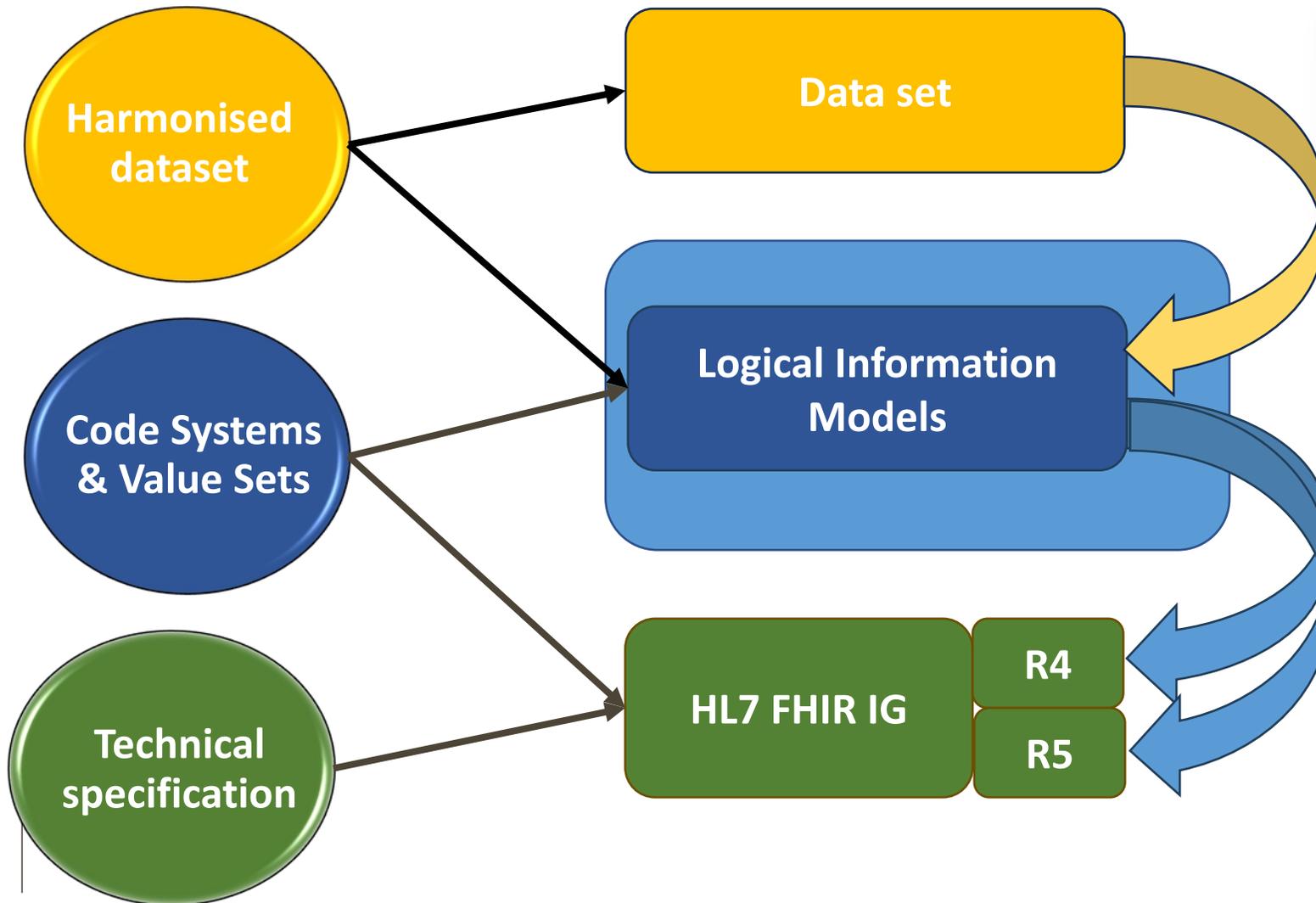
Format of the Format



So many harmonised data sets!



Format of the Format

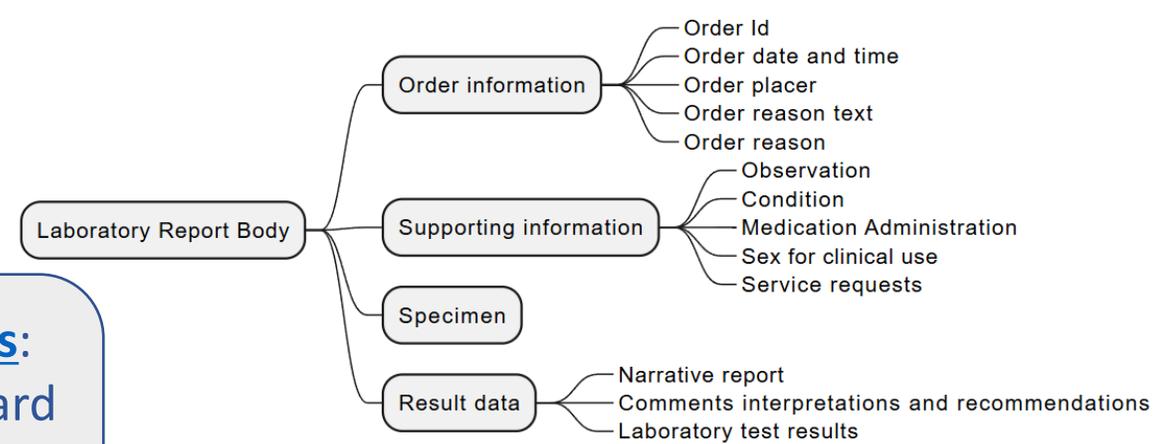
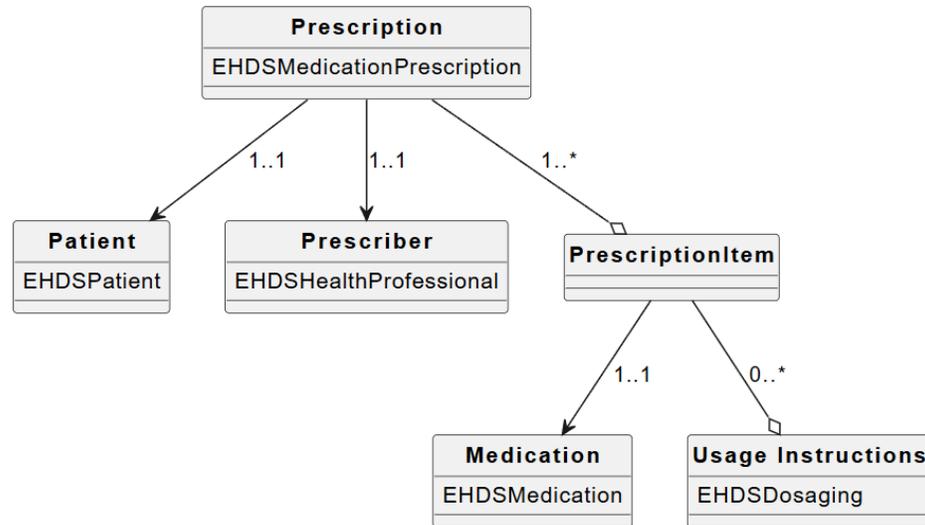


eHealth Network
guidelines

Logical models – Xt-EHR

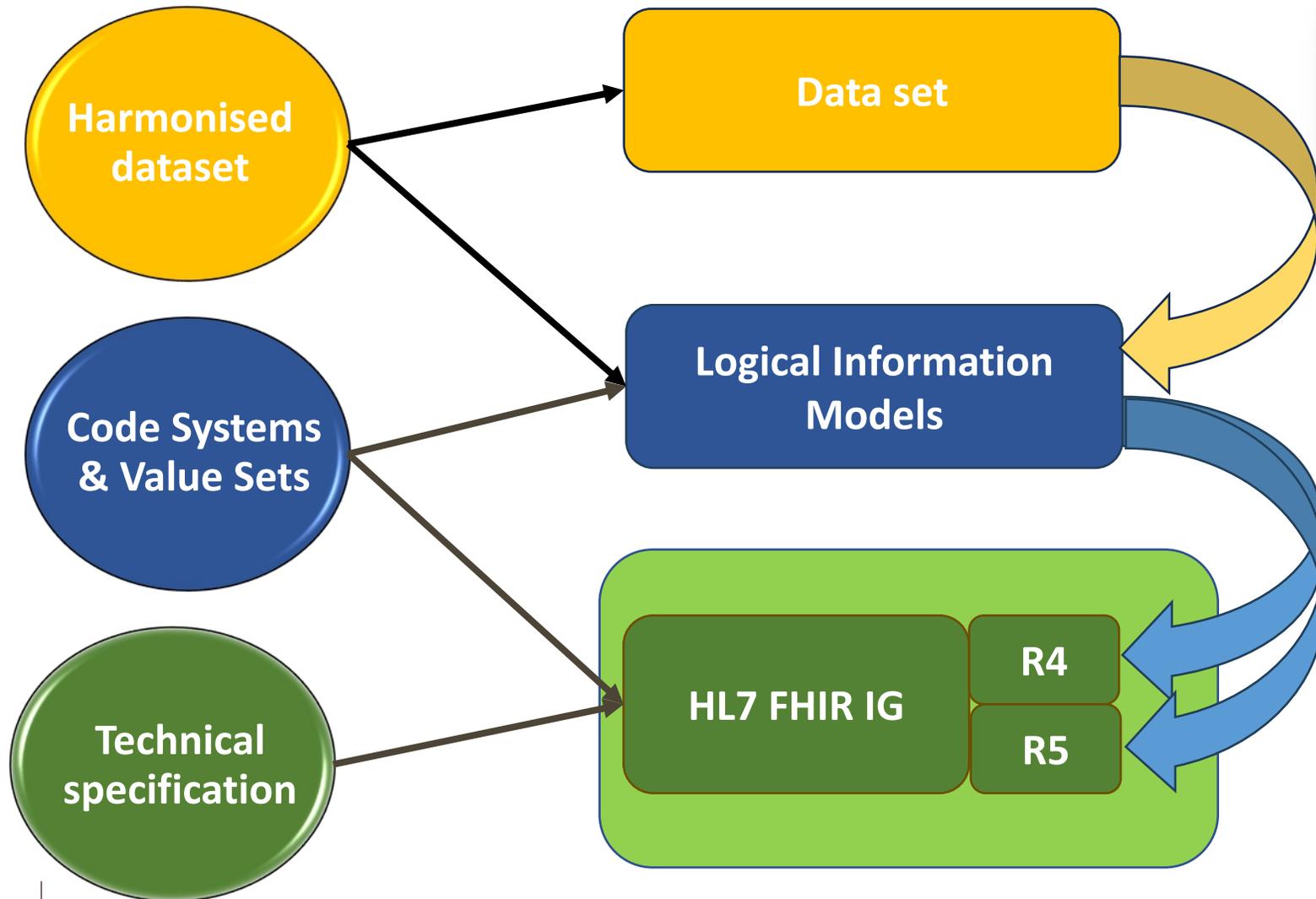
Xt-EHR uses HL7 FHIR for logical information models:

- Independent from actual data exchange standard
- machine-processable
- Information models approach (ISO 13972)
- UML/mindmap conversions for readability



Name	Flags	Card.	Type
EHDSMedicationDispense		0..*	Base
identifier		0..*	Identifier
patient		1..1	EHDSPatient
receiver[x]		0..1	EHDSPatient
dispenser[x]		1..1	
dispenserEHDSHealthProfessional			EHDSHealthProfessional
dispenserEHDSOrganization			EHDSOrganization
dispenserEHSDDevice			EHSDDevice
relatedRequest		0..*	Reference(Medication Prescription (model))
medication		1..1	EHDSMedication
dispensedQuantity		1..1	Quantity
timeOfDispensation		1..1	dateTime
substitution		0..1	Base

EEHRxF: European EHR Exchange Format



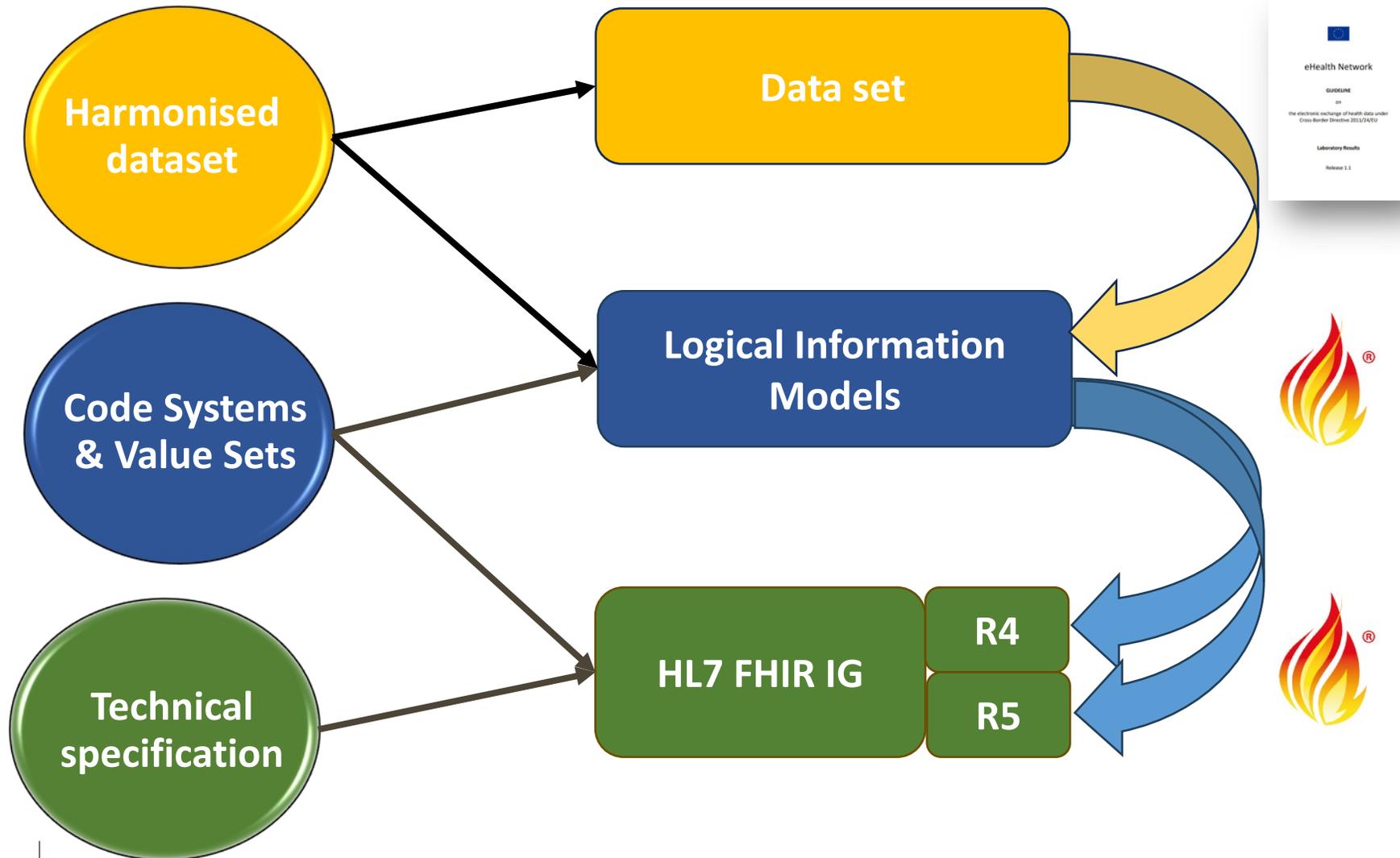
eHealth Network guidelines



Xt-EHR logical information models



EEHRxF: European EHR Exchange Format



eHealth Network guidelines



Xt-EHR logical information models



HL7 Europe & stakeholders (incl EU projects)

EEHRxF is not one-size-fits-all

high quality. The use of a European electronic health record exchange format should become more widespread at Union and national level. The European electronic health record exchange format could allow for different profiles for its use at the level of EHR systems and at the level of the national contact points for digital health in MyHealth@EU for cross-border data exchange.

Different flavours of the same implementation guide

Flexible EHRxF IG

The screenshot shows the 'HL7 Europe Laboratory Report' website. The header includes the HL7 Europe logo and the HL7 FHIR logo. The main content area features a 'Table of Contents' section with a 'Home' link. Below this, there is a 'STU Note' section with a blue background, stating that obligations have been added to this version of the guide. A sidebar on the right lists various sections: The Laboratory Domain, Scope, Purpose, Background, Design choices, Navigating the profiles, Dependencies, Cross Version Analysis, and Global Profiles. The main text under '1.1 The Laboratory Domain' discusses the importance of clinical laboratory results in diagnosis and treatment.

Crossborder IG

The screenshot shows the 'MyHealth@EU Laboratory Report' website. The header includes the European Union flag and the text 'My health @ EU eHealth Digital Service Infrastructure A service provided by the European Union'. The main content area features a 'Table of Contents' section with a 'Home' link. Below this, there is a 'Scope' section with a blue background, listing various sections: Scope, The project, Dependencies, Cross Version Analysis, Global Profiles, and Authors and Contributors. The main text under '1.1 Scope' discusses the purpose of the HL7 FHIR Implementation Guide for Laboratory Report XPanDH project.

<https://fhir.ehdsi.eu/laboratory/>

National IGs

The screenshot shows the 'CH ELM (R4) Laboratory Report' website. The header includes the HL7 FHIR logo and the text 'HL7 FHIR Implementation Guide Laboratory Report'. The main content area features a 'Table of Contents' section with a 'Home' link. Below this, there is a 'Czech National Laboratory IG' section with a blue background, stating that the version is based on the current content of the HL7 FHIR Implementation Guide. The main text under '1.1 Informace o projektu' discusses the implementation of the HL7 FHIR Implementation Guide for Laboratory Report in the context of the interoperability project HZCR.

Crossborder exchange with transformation at National Contact Point

Fundamental questions to be not answered

Which FHIR version?

R4? R5? R6?

- European Commission publishes the implementing acts.
- MyHealth@EU publishes crossborder IGs
- Not decided who will own/maintain what after the end of ongoing projects.

- If we argue about the version before starting work, we will get no work done in any version.
- In the long run, **multiversion environment** is inevitable.
- Logical model layer is not affected by FHIR versions.

EEHRxF FHIR IG publication & updates

Who? How often? How?

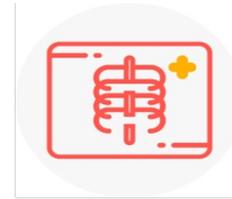
Status of implementation guides



Patient Summary



ePrescription
eDispensation



Medical Imaging
and reports



Laboratory Results



Hospital Discharge
report



eHN Guidelines

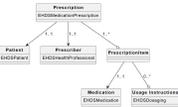
Since 2013

Since 2014

Since 2023 Nov

Since 2023 June

Since 2023 Nov



Xt-EHR Logical Information Models

Draft

Draft

Draft

Draft

Draft



MyHealth@EU crossborder service

In operation
(CDA)

In operation
(CDA)

Planned live
2026 (HL7 FHIR)

Planned live
2025 (HL7 FHIR)

Planned live
2026 (HL7 FHIR)



HL7 Europe FHIR IG

Started, on
hold

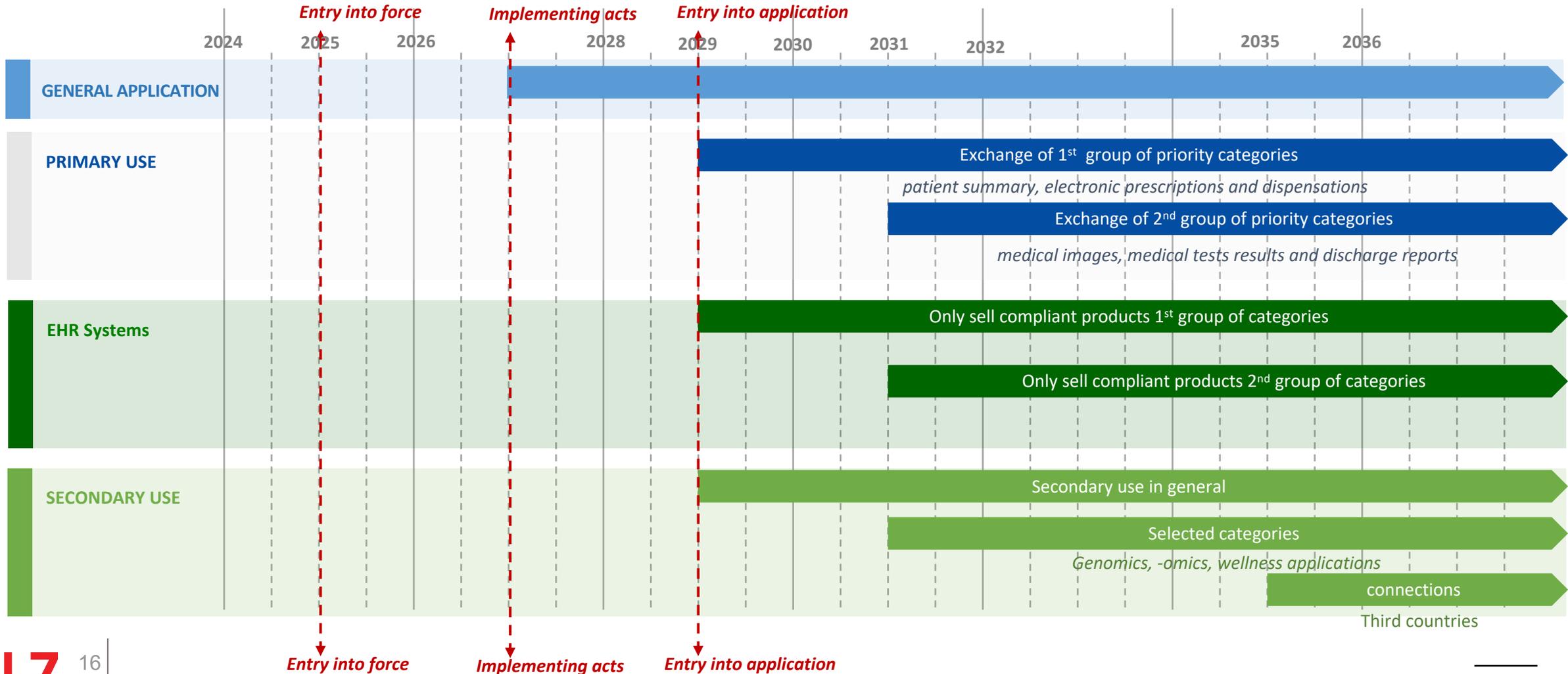
Approaching
first ballot
(R4+R5)

Starting now

R4 balloted.
Trial Use.

In good progress

Timeline of EHDS



Thank you! And join our FHIR working groups!

Medication Prescription and Dispense

- Every other Thursday 16-17 CET
- Together with IHE
- Meeting minutes

Patient Summary & Hospital Discharge Report (+ Base profiles)

- Every Friday 10-11 CET
- Meeting minutes

Medical Images Reports

- Starting during the EU-a-thon
- Join the group and spread the Word!

HL7 Europe WGM and EU-a-thon – Opening

**Collaborating to Achieve European
and Global Interoperability**

Brian E. Dixon



Collaborating to Achieve European and Global Interoperability

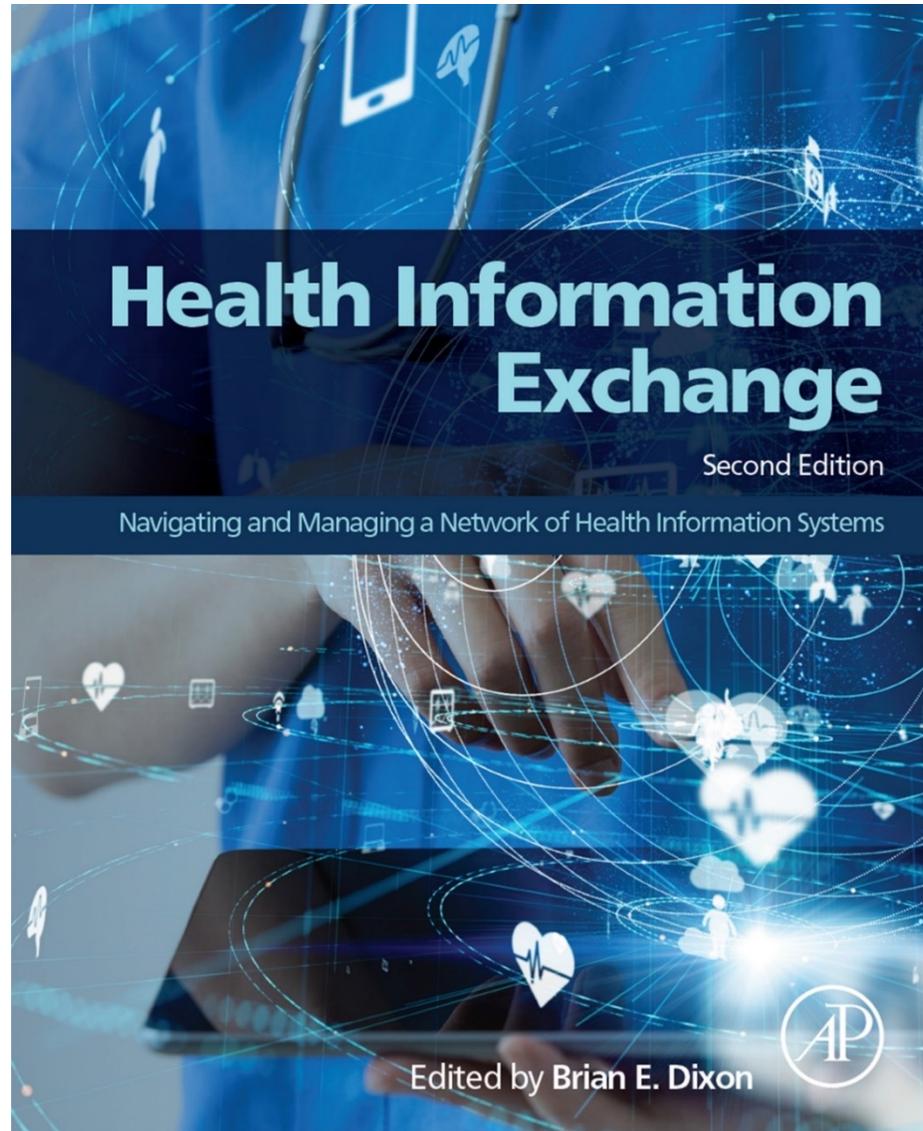
Brian E. Dixon, MPA, PhD, FACMI, FHIMSS, FIAHSI
Professor and Research Scientist;
Director, Center for Biomedical Informatics
February 11, 2025



RICHARD M. FAIRBANKS
SCHOOL OF PUBLIC HEALTH



Experience and Disclosure



- Published in 2023
 - Contributors around the world
- Goal of book is to educate health professionals on HIE
 - Includes international case studies
 - Chapters on key HIE technologies
 - Chapters on governance, privacy, security, etc.
- ISBN: 978-0-323-90802-3



Agenda

- Regenstrief Institute
- Introduction to OpenHIE
- Introduction to LOINC
- Invitation to Collaborate



The Regenstrief Institute



Biomedical
Informatics
Research



Health Data
Standards
Development



Implementation of
Health IT Systems,
HIE, and Standards

← Collaboration and Coordination →



Recent Thought Leadership from Regenstrief



Volume 31, Issue 8
August 2024

JOURNAL ARTICLE FEATURED

Cumulus: a federated electronic health record-based learning system powered by Fast Healthcare Interoperability Resources and artificial intelligence

journal of **global** health

► J Glob Health. 2024 Apr 5;14:03024. doi: [10.7189/jogh.14.03024](https://doi.org/10.7189/jogh.14.03024)

Navigating data standards in public health: A brief report from a data-standards meeting

[Heather Hufstedler](#)¹, [Yannik Roell](#)², [Andressa Peña](#)³, [Ankur Krishnan](#)¹, [Ian Green](#)⁴, [Adriano Barbosa-Silva](#)⁵, [Andreas Kremer](#)⁵, [Clair Blacketer](#)⁶, [Isabel Fortier](#)⁷, [Kit Howard](#)⁸, [Bess LeRoy](#)⁸, [Eza Hafeza](#)⁹, [David Baorto](#)⁹, [M Swertz](#)¹⁰, [Lauren Maxwell](#)¹, [Thomas Jaenisch](#)^{1,2}

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PMCID: PMC10995743 PMID: [38577801](https://pubmed.ncbi.nlm.nih.gov/38577801/)



Open Health Information Exchange

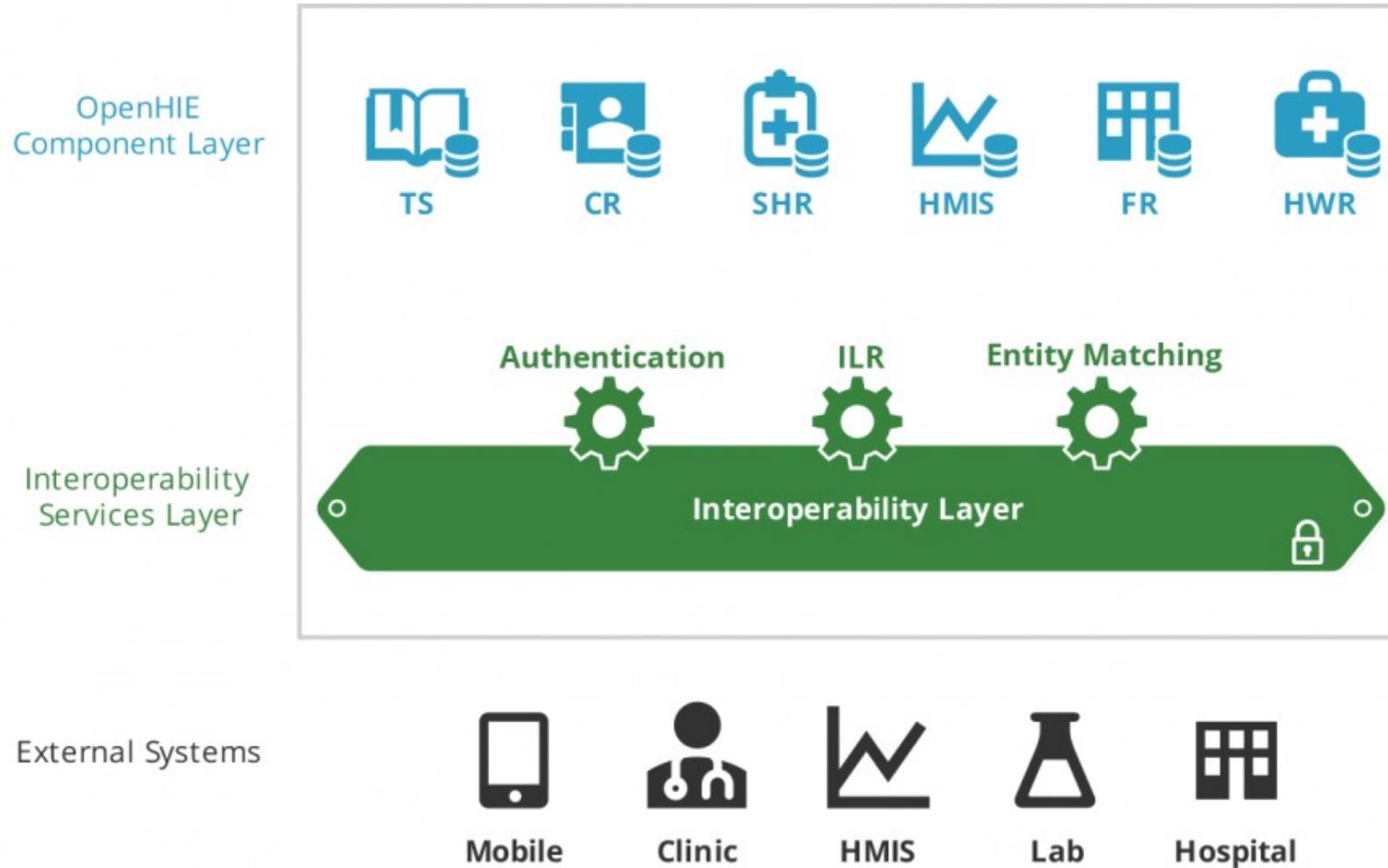
A community of practice, built on
experience and expertise



UDUMA YA BABA MAMA



OpenHIE Architectural Framework



OpenHIE Academy



Objectives:

- Improve the development of technical competency for all who engage
- Better courses for next year's Academy
- Reusable platform / process
- Create something that can be shared throughout the world via academics and labs

Free

Free Self-Paced HIE Education



OpenHIE Academy



Course 320

320 – Identity Management



English

320 – Identity Management

Enroll Now

Free

Free Self-Paced HIE Education



OpenHIE Academy



Course 101

101 – Introduction à l'eis:
Fondements de L'échange
D'informations Sanitaires (v2)



Français

101 – Introduction à l'eis:
Fondements de L'échange
D'informations Sanitaires (v2)

Enroll Now

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OpenHIE Academy



Course 320

320 – Gestion de L'identité

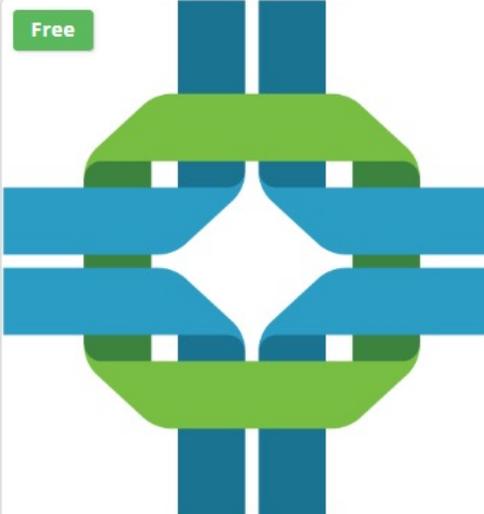


Français

320 – Gestion de L'identité

Enroll Now

Free



OHIE24 Academy Live Certification

Free

Free Self-Paced HIE Education



OpenHIE Academy



Course 101

101 – Introducción al HIE:
Fundamentos del Intercambio de
Información de Salud (v2)



Español

101 – Introducción al HIE:
Fundamentos del Intercambio
de Información de Salud (v2)

Enroll Now

Free

Free Self-Paced HIE Education



OpenHIE Academy



Course 320

320 – La Gestión de Identidades



Español

320 – La Gestión de Identidades

Enroll Now



LOINC 101: Understanding LOINC concepts and uses

TUESDAY, OCTOBER 13, 2020

Jami Deckard, MS

Pamela Banning, MLS(ASCP)cm, PMP(PMI)



The international standard for identifying health measurements, observations, and documents.

Reference labs, healthcare providers, government agencies, insurance companies, software and device manufacturers, researchers, and consumers from around the globe use LOINC to identify data and move it seamlessly between systems.

It's free, but invaluable.

[Get Started](#)

Find quick answers in our [Knowledge Base](#).



Can you find the LOINC Concept?



```
*****  
CDA Header  
*****  
-->  
<typeId root="2.16.840.1.113883.1.3" extension="POCD_HD000040" />  
<templateId root="2.16.840.1.113883.10.20.1" />  
<!-- CCD v1.0 Templates Root -->  
<id root="db734647-fc99-424c-a864-7e3cda82e703" />  
<code code="34133-9" codeSystem="2.16.840.1.113883.6.1" displayName="Summarization of  
episode note" />  
<title>Good Health Clinic Continuity of Care Document</title>  
<effectiveTime value="20000407130000+0500" />  
<confidentialityCode code="N" codeSystem="2.16.840.1.113883.5.25" />  
<languageCode code="en-US" />  
+ <recordTarget>  
+ <author>  
+ <informant>  
+ <custodian>  
- <legalAuthenticator>  
  <time value="20000407130000+0500" />  
  <signatureCode code="S" />  
- <assignedEntity>  
  <id nullFlavor="NI" />  
  - <representedOrganization>  
    <id root="2.16.840.1.113883.19.5" />  
    <name>Good Health Clinic</name>  
  </representedOrganization>  
  </assignedEntity>  
</legalAuthenticator>
```



The Value of LOINC



Public Health
Clinic

Jane Doe's Immunizations:

3/1/04 DipTetaPur
3/1/04 HemInfB
3/1/04 PolioVir
3/1/04 HepaB

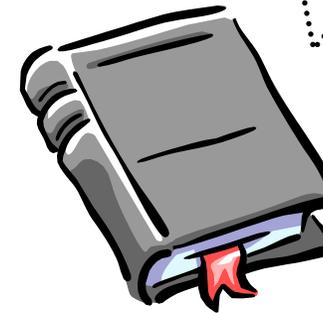


Electronic Medical
Record System

Jane Ellen Doe's Shots:

5/1/04 DTaP Imm
5/1/04 HIB Imm
5/1/04 IPV Imm
7/9/04 DTaP Imm
7/9/04 IPV Imm

DTaP Dose Count: 30936-9
HIB Dose Count: 30938-5
IPV Dose Count: 33555-4
VZV Dose Count: 30943-5
MMR Dose Count: 30940-1
HepB Dose Count: 30937-7



Normalized
Concepts for
Immunizations



Opportunities for Collaboration

<http://ohie.org>

- Individuals working for ministries of health who lead implementation efforts are invited to join the E-health Leaders Forum (ELF)
ohie.org/pages/viewpage.action?pageId=129238212
- If you are supporting implementation of HIE as an employee, contractor, consultant, etc. Please join the OpenHIE Implementers Network (OHIN)
ohie.org/display/CP/OpenHIE+Implementers



Open**HIE**



Richard M. Fairbanks **School of Public Health**

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PUBLIC HEALTH SHORT COURSES



Share



Post



Email

Centers

CHEER

Center for Health

Summer Institute in Public Health Informatics, Epidemiology, and Biostatistics

Summer Institute in Informatics/Epi/Stats

- Weeklong courses; each ½ day
 - Virtual or in-person
- Past Courses Include:
 - R for Public Health
 - SQL for Public Health
 - Using Data for Public Health Decision-Making
 - Introduction to Public Health Informatics





Opportunities for Collaboration

- Afternoon panel at XiA – focused on education about interoperable standards
- Micro-learning to train mappers, ontologists, health IT engineers, standards developers, informatics leaders, and informatics students
- Supporting implementation of terminology services, terminology systems, interoperability, LOINC, and more!

Questions?

Discussion



RICHARD M. FAIRBANKS

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Indiana University Indianapolis

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Regenstrief Institute
Center for Biomedical Informatics

Better Care. Better Health.



HL7 Europe WGM and EU-a-thon – Opening

Honoring members of the
HL7 Europe Board of Directors



HL7[®]

 Europe

Acknowledgement Awards
HL7 Europe WGM
Lisbon, Portugal
11 February 2025

Anne Moen, HL7 Europe BoD, Chair 2022-2024

Professor Anne Moen, RN, PhD, FACMI, FIAHSI, professor in Health informatics and Nursing at the Faculty of Medicine, University of Oslo, Director UiO:eCoLab.

President of the European Federation for Medical Informatics (EFMI) 2014 – 2016 (first female president of the federation). She served as task leader in EU's eHealth Stakeholder Group topic "Citizen – Health Data" (2016–2019).

- Coordinator Gravitare-Health project.
- Member Vulcan Steering Committee.
- Under her leadership HL7 Europe led the way in the creation of the HL7 ePI IG
- Supported the reorganization of the office

Fun Fact: Anne hosted in UiO:eCoLab the meeting that led the Oslo agreement of HL7 - CEN/TC251 on the IPS, with participation of IHE and SNOMED.



Robert Stegwee, HL7 Europe BoD, Treasurer



Robert Stegwee, PhD is the chair of CEN/TC251.

Robert's contributions to HL7 Europe span many years. He served as treasurer of the HL7 Europe Board of Directors from 2020-2024, and as treasurer in 2022-2024.

He has served many years on the board of HL7 NL. Collaboration with Robert spans many years and projects: Trillium II, eStandards, xShare.

Fun fact: I met Robert in a taxi going to the HL7 WGM in Kyoto, and we found that we had common colleagues in the area of Theoretical Computer Science.

Henrique Martins, HL7 Europe BoD, Hospitals on FHIR



Professor Henrique Martins, MD, PhD, MLLM

- past president of SPMS, Portugal's Digital Health Agency, where he led National eHealth efforts for close to 7 years, creating the first wallet.
- former Member States co-chair of the EHN.
- Served as Hospital CMIO leading digital transformation
- Supports quality efforts of WHO

Served on the HL7 Europe Board of Directors, in 2020-2024. He is the co-founder of Hospitals in FHIR; maintained the workplan and served as secretary to the Board.

Collaboration with HL7 Europe, long and impressive, EXPAND, Trillium Bridge, Trillium II, x-eHealth, XpanDH, I2X, myH@myH, Gravitare Health

Fun Fact: Henrique is the God Father of the xShare Button.

Line Andreassen Sæle, HL7 Europe BoD, Communications TF lead

Line is Enterprise Architect at the Public Health Institute of Norway, and the chair of HL7 Norway (2014-).

Line has served on the HL7 Europe Board of Directors providing communications leadership from 2020-2024. Line has been involved in HL7 International for many years both as a member of the leadership and as co-chair of the Patient Administration WG and the International Council. She currently serves on the HL7 International Board of Directors.

Fun Fact: We owe Line the website of HL7 Europe..



Roeland Luykx, HL7 Europe Advisory Council, Chair

European Advisory Council, Chair

Roeland Luykx is the chair of HL7 Switzerland
co-Chair of European Affiliate Council
Served on the HL7 Europe Board of Directors
2022-2024



Christof Gessner, HL7 Europe, Technical Coordination Team (TNT)



Served on the board of Directors of HL7 Europe from 2020-2022.

- Chair European Affiliate Council, now European Advisory Council.
- HL7 Germany Chair
- Lead IDMP Expert
- Chief Patient Advocate, HL7 Europe

Jens Kristian Villadsen, HL7 Europe, Technical CoordiNation Team (TNT)

- Past Chair HL7 Netherlands
- Member of the Technical Coordination Team (TNT)
- CTO Trifork, Enterprise architect, open source developer, bughunter, code veteran, hacker, pianist, runner, IT healthcare specialist, standards evangelist, pragmatic practitioner, signer of the agile manifesto, contributor to the HL7 community, rewarded conscript and engineer.



Walter Suarez, HL7 International, Chair



Exec. Director, HIT Strategy & Policy, Kaiser Permanente;
Chair, Board of Directors, HL7 International; Member, HIMSS Americas Advisory Board;
Former Chair, National Committee on Vital and Health Statistics (NCVHS)

HL7 Europe WGM and EU-a-thon – Opening

**Phoenix European Cancer Initiative
opening and launch**
Giorgio Cangili



PHOENIX: THE EUROPEAN CANCER INITIATIVE



PHOENIX (Patient Health Oncological Expertise Network for International Exchange)

PHOENIX: ADVANCING THE EUROPEAN ACCELERATOR

FIRST



PHOENIX (Patient Health Oncological Expertise Network for International Exchange)

Agenda



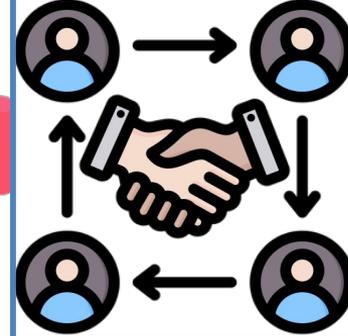
Setting the scenes



The PHOENIX Initiative



The Common Cancer Data Model project



Join us !

The Background



- **Cancer** has a **significant impact** in Europe and globally, in terms of diagnosis and death numbers and economic costs
- **Updated strategies** in cancer prevention, treatment, and care are needed.
- The **European Union** has responded to these needs with the "**Europe's Beating Cancer Plan**" aimed to **address cancer comprehensively through prevention, early detection, treatment**, and improving patients' and survivors' quality of life.



DATA SHARING capability is a key factor !

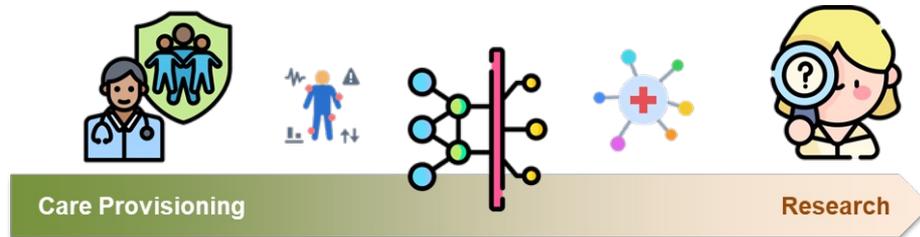
We have a dream ...



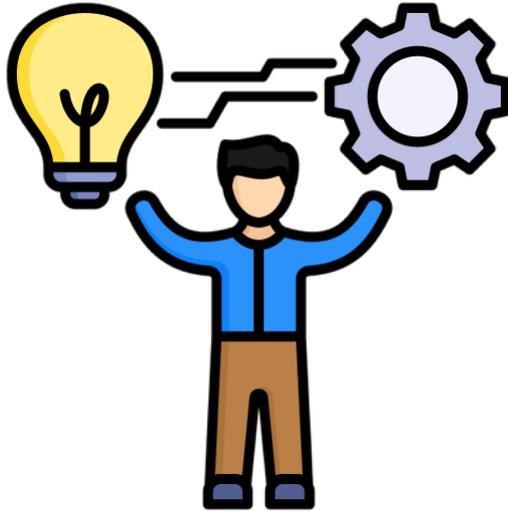
- **A Common (European) cancer data model**

- **agnostic to the type of cancer;**
- **usable across different use cases**

.. and its HL7 FHIR representation to enable the cancer data sharing in real life...



How turn this into reality ?



Multi-projects/organizations engagement



Neutral collaboration space where institutions and initiatives can cooperate towards a common standard



Assure sustainability



Engaged in governance

How turn this into reality ?



Multi-projects/organizations engagement

Neutral collaboration space where institutions and initiatives can cooperate towards a common standard



Assure sustainability



Engaged in governance

How turn this into reality ?



Group of stakeholders, assuring the **sustainability**, working together with **HL7 Europe** to create standardized data models, implementation guides, and other resources and support their adoption.



HL7 Cancer Initiative

Europe



Main goals



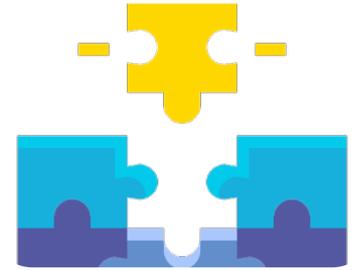
**Drive
Consistency**



**Speed Up
Implementation**



**Foster
Collaboration**



**Ensure
Relevance**

HL7 Cancer Initiative

 Europe

PHOENIX, THE EUROPEAN CANCER INITIATIVE

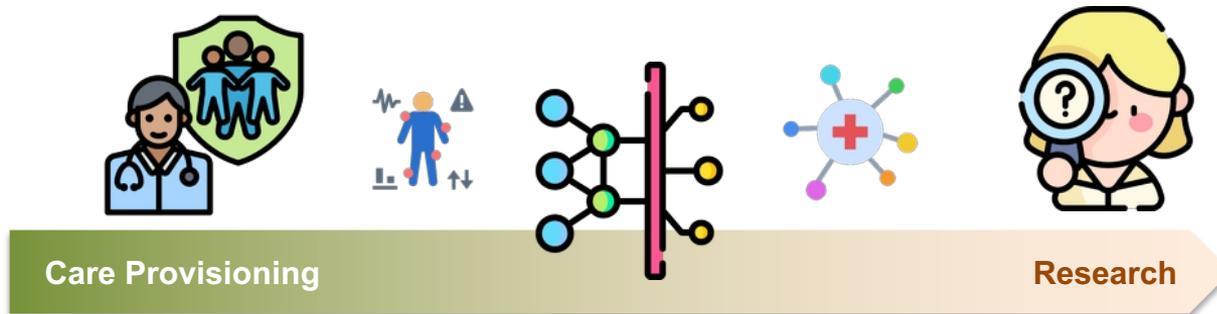


PHOENIX (Patient Health Oncological Expertise Network for International Exchange)

The PHOENIX Vision



- A future where **seamless data interoperability transforms cancer care and research**, enabling breakthroughs that improve patient outcomes and empower collaborative innovation across Europe



The PHOENIX Mission



To play a **leading role** in the **development and adoption of European digital health standards for cancer** to support cancer research and care delivery through interoperable data standards, by

Promoting a **unified approach**, closing the loop between care and research.

Aligning with and contributing to the **European Health Data Space (EHDS)** initiatives.

Fostering a **unified ecosystem** to enhance patient outcomes and accelerate innovation.

The PHOENIX timeline



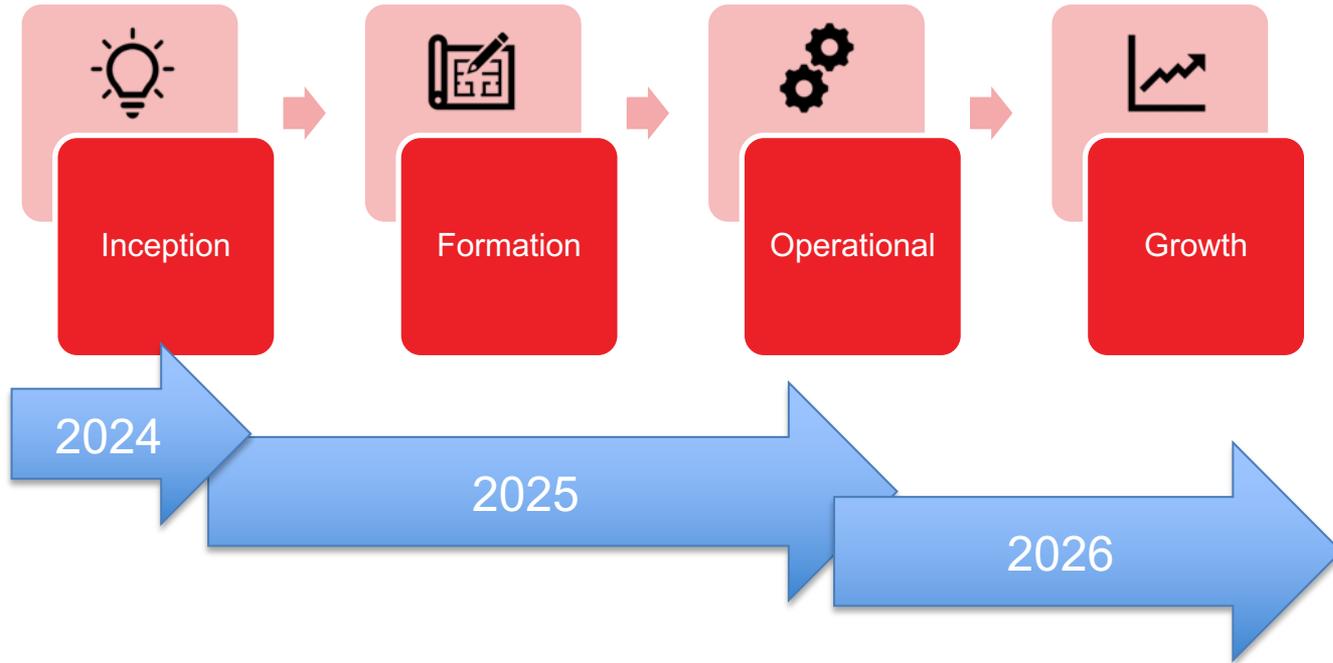
- Jan '24: The idea of an EU Cancer Accelerator was proposed to support the development of a Common Cancer data Model in the Athens HL7 EU WGM
- Aug '24 – today: A core team of founding members set up the Accelerator (scope, governance, sustainability,...)
- Jan '25: first cancer project approved by HL7 Europe (Common Cancer Data Model and HL7 FHIR IG)
- **Feb '25: Kickoff of Phoenix**
- May '25: First Cancer Model Results shared (HL7 Int WGM Madrid)

Core team (not a close group !)





PHOENIX Project Phases



The PHOENIX 3-years plan (main objectives)

2025

- **The PHOENIX kick off** (Feb '25)
- 1st version of **Common Cancer Data Model / HL7 FHIR IG** Balloted and **Published** (STU) (Fall '25)
- **New members engaged** (> 5 by the end of the year)
- Join the HL7 FHIR Accelerator Program



2026

- **Consolidated educational and dissemination activities**
- At least one **-a-thon event organized**
- At least one **proposal for funded projects** submitted
- **Pilot adoption** of the **HL7 FHIR IG** for care provisioning and research in at least **two countries**.
- Membership growth (> 5 by the end of the year)

2027

- **New standardization project** started
- **Revenue from events and funded projects**
- Common Cancer Data Model **used in operation**
- **At least two -a-thon event organized**
- Membership growth (> 10 by the end of the year)

THE EUROPEAN COMMON CANCER DATA MODEL PROJECT



Common Cancer data model Project: scope



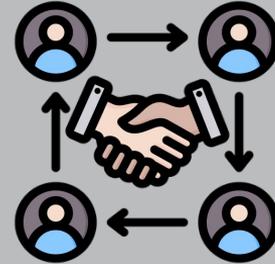
- Define a minimal, extensible, non-exhaustive European **cancer** data model
 - agnostic to the type of cancer;
 - usable across different use cases;
 - leveraging on the experiences of the European projects working with primary and secondary usage
 - taking into account the availability and usability of reliable data in the EHR systems.
- and its HL7 FHIR representation in the form of a HL7 FHIR Implementation Guide

Common Cancer data model Design principles

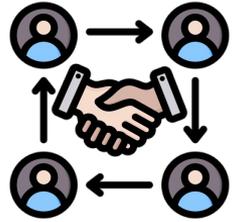


- Inclusive and cross-cutting
 - Transversal to different cancer domains and purposes of use
 - Consider the needs of different communities.
- Incremental approach
 - Start with a minimal core set; extend / enhance the model in following iterations
- Designed for facilitating the representation with HL7 FHIR

JOIN US !



Join us at the HL7 EU WGM



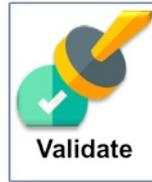
- **EU-a-thon Cancer Track:** Wed Q1-Q3, Auditorium 2



Learn



Try



Validate



Improve

- **PHOENIX meeting & CCM Project kickoff :** Wed Q4, Auditorium 2
- **Common Cancer Model Project:** Thu Q2, Auditorium 2

HL7[®]

 Europe



Thank you !

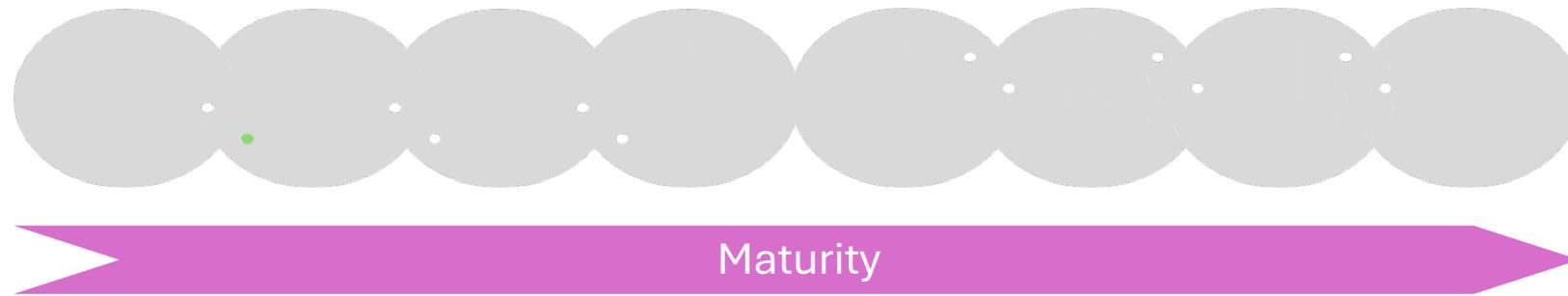
HL7 Europe WGM and EU-a-thon – Opening

EU-a-thon: scope, goals, and further developments

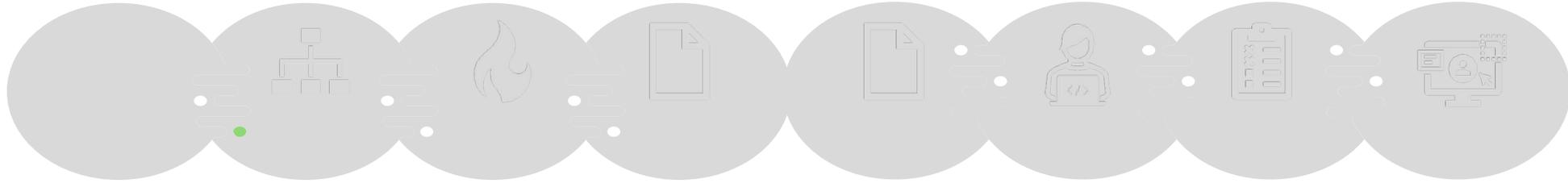
*Kai Heitmann, Giorgio Cangili,
János Vincze*



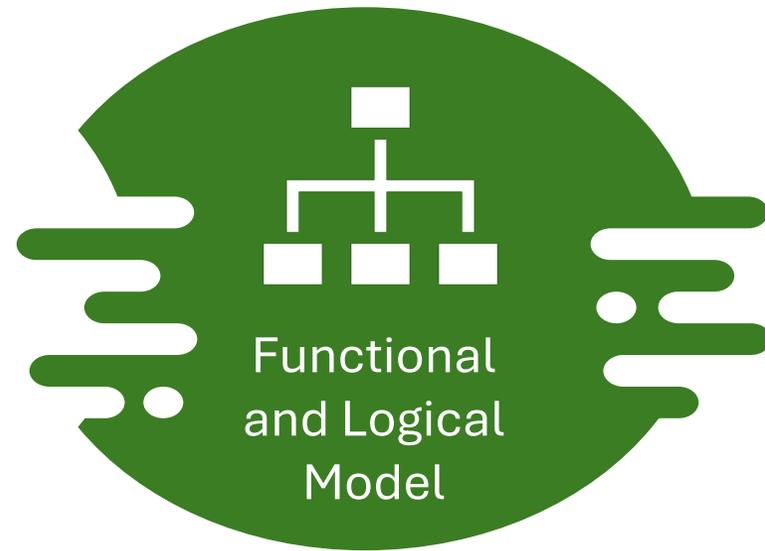
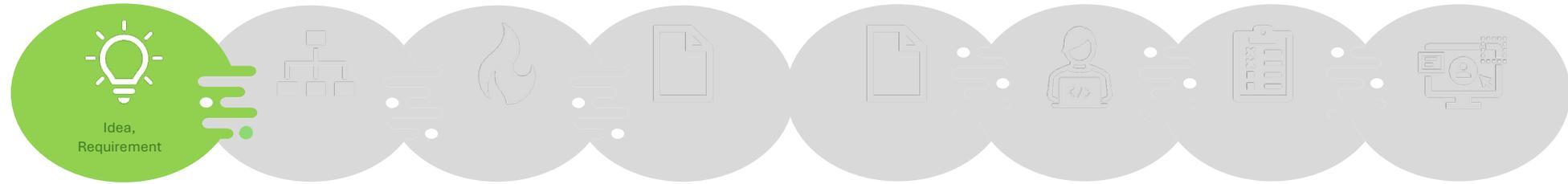
EU-a-thon: scope, goals, and further developments



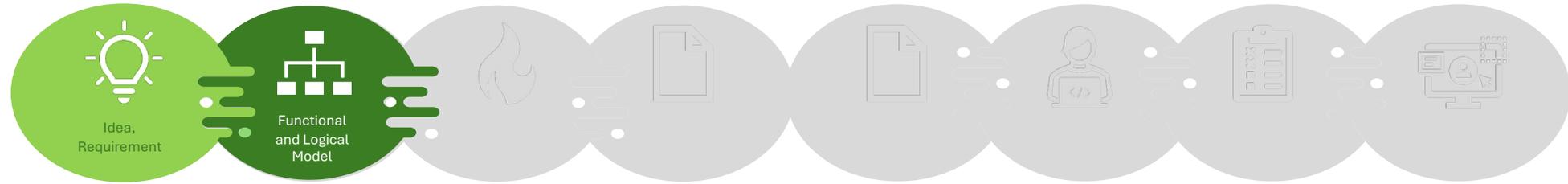
How this *a-thon fits into the “journey” from an interoperability idea through specification until interoperable products



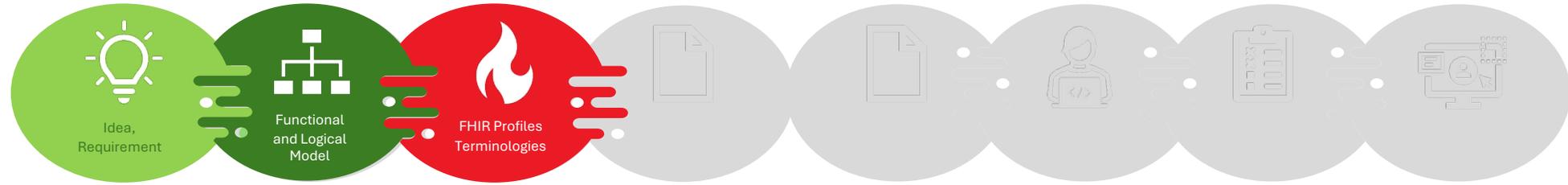
- Document Ideas
- Embrace Requirements
- e.g. eHealth Network Guidelines
- e.g. Future EHDS Requirements



- Functional “View”
- Use Cases, Actors, Transactions
- Dataset
- Logical Model
- (Terminology)



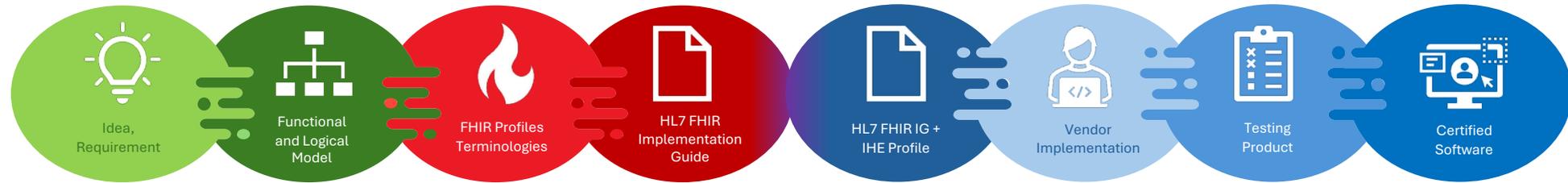
- FHIR Profiles
- Terminologies
- Ingredients for a proper Implementation Guide



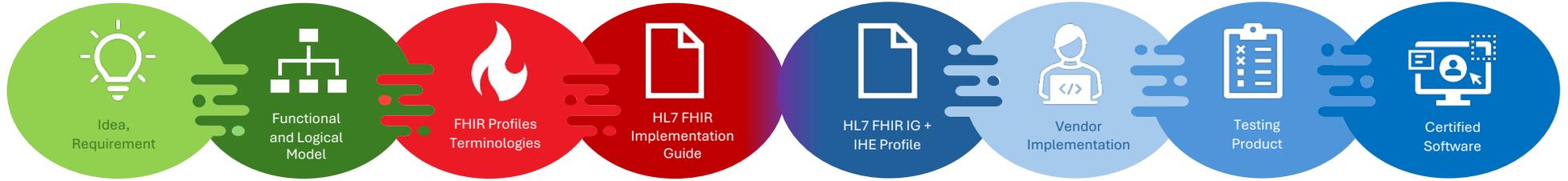
- FHIR Implementation Guide

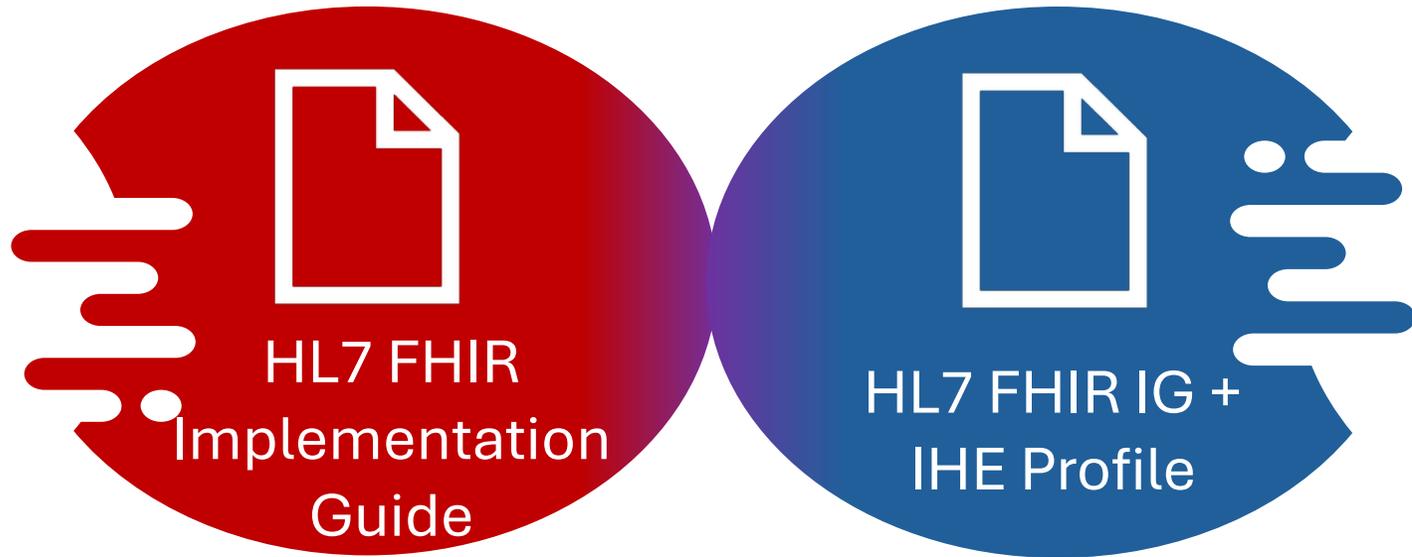
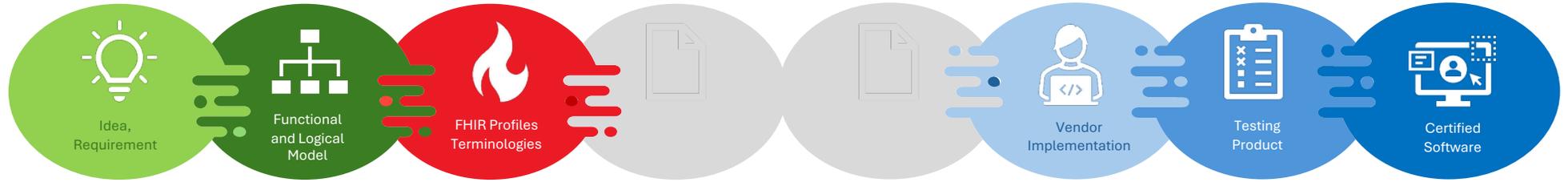


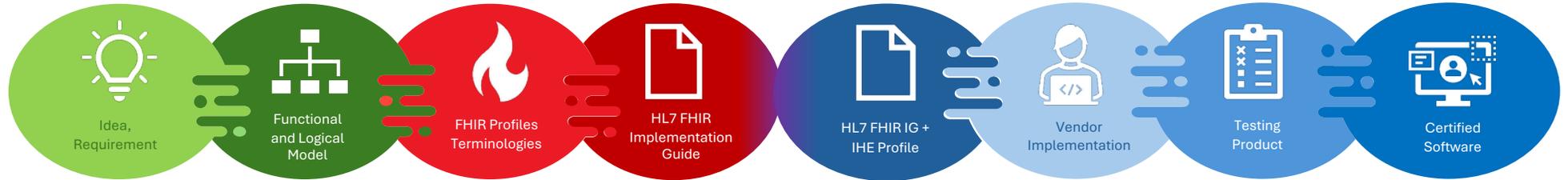


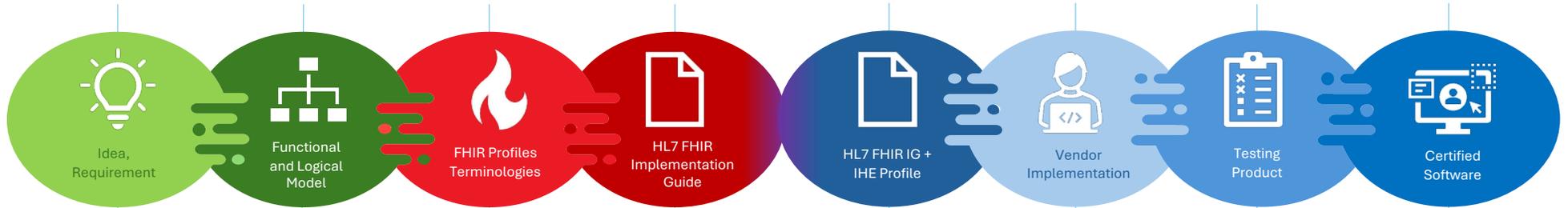


- The Specification:
Creation, Testing and Validation Continuum
- The Products:
Creation, Testing and Validation Continuum









Specification Maturity

Professional Maturity (Knowledge)

Software Product Maturity



FHIR Connect-a-thon, EU-a-thon, Plug-a-thon
Learn, Try, Validate, Improve.



Connect-a-thon, Project-a-thon
Formal Testing



Product Certification

Maturity: Specification, Professional, Product

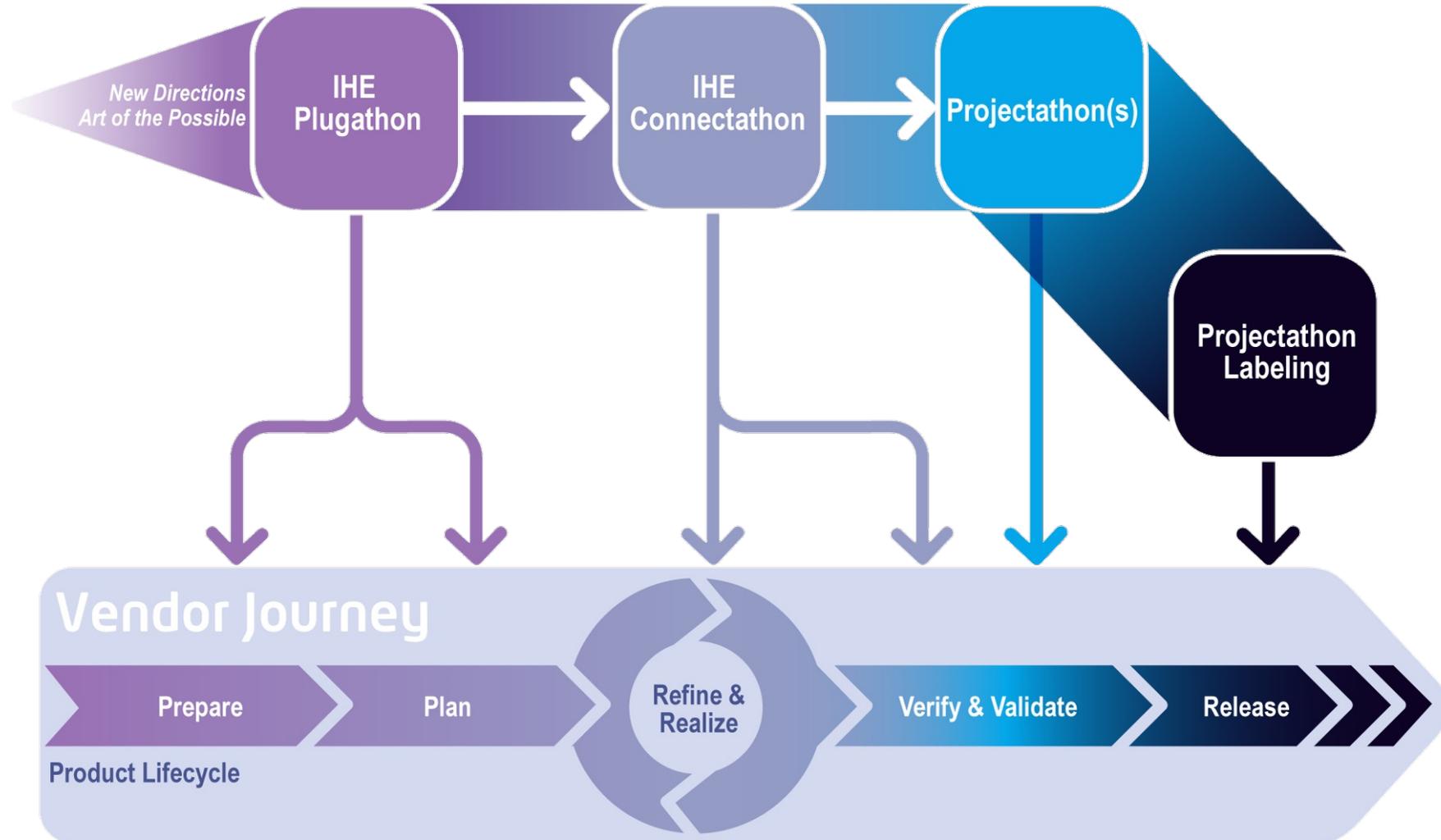
	Specification Maturity	Professional Maturity	Product Maturity
FHIR Connect-a-thon, EU-a-thon, Plug-a-thon Learn, Try, Validate, Improve	Draft, Trial, Released	All	Prototypes
Connect-a-thon, Project-a-thon Formal Testing	Trial, Released	All	Prototypes, Products
Product Certification	Released		Products

IHE® TESTING CONTINUUM

Piloting & Innovation

Rigour & Quality

Towards Deployment

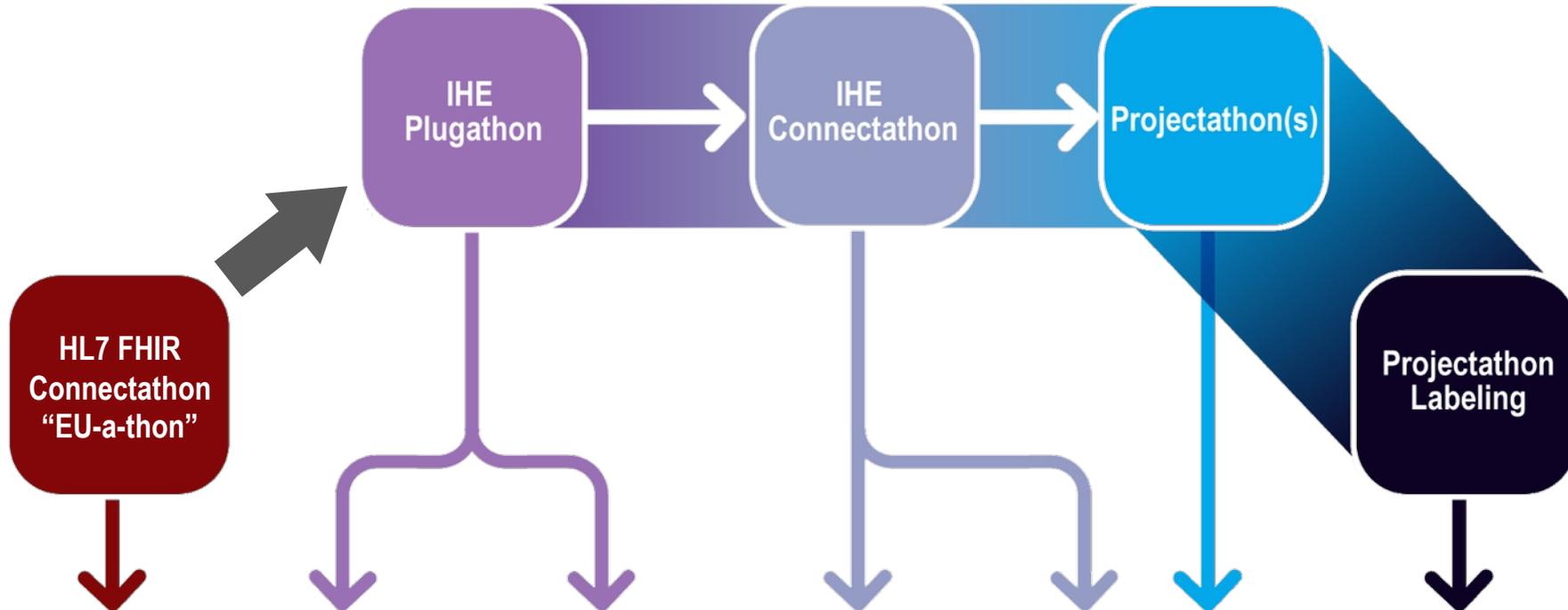


EHDS TESTING CONTINUUM

Piloting & Innovation

Rigour & Quality

Towards Deployment



Vendor Journey

Product Lifecycle

Prepare

Plan

Refine & Realize

Verify & Validate

Release

Content

Actors and transactions

European Specification Creation for EHDS



VIENNA  2025 JUNE 23/27

IHE[®] | CONNECTATHON[®]
EUROPE

HL7 Europe WGM and EU-a-thon – Opening

Logistics and event information

Kai Heitmann



Rooms

All in

**Building 4 –
Iscte_Knowledge and
Innovation**

**(Edifício 4 –
Iscte_Conhecimento e
Inovação)**



Rooms

No food or
beverage
allowed in
the room



2x Auditório ED4-A302 and ED4-A306
Smaller events is Clube CVTT B332

Rooms

- Unfortunately, we have no tables, only chairs
- Opportunity to be flexible with group forming
- Improvise and innovate!



Rooms

- Clube 332
- TNT meeting yesterday



“Wearables”

- Meet Matenia and Stratos at the Registration Desk
 - BADGES...
 - T-SHIRT...
- ...for every registered person



HL7 Europe WGM and EU-a-thon

Welcome!

hl7europe.org

