IHE in Europe
Achievements and Next Steps

Digital Health Leadership Summit 2023, Vienna

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IHE-Europe Vendor Co-Chair

Mission

Guide clinicians, health authorities, industry, and users
in order to reach healthcare interoperability in Europe

Strategic Goals

Promote the knowledge and use of the IHE methodology through which IHE transforms international standards into testable specifications for which both tooling and related services are available from the IHE ecosystem.

Help national and European stakeholders and policymakers in adopting and promoting the use of the IHE methodology to foster interoperability.

National IHE Deployment Committees

Austria
Belgium
Czech Republic
Finland
France
Germany
Italy
Luxembourg
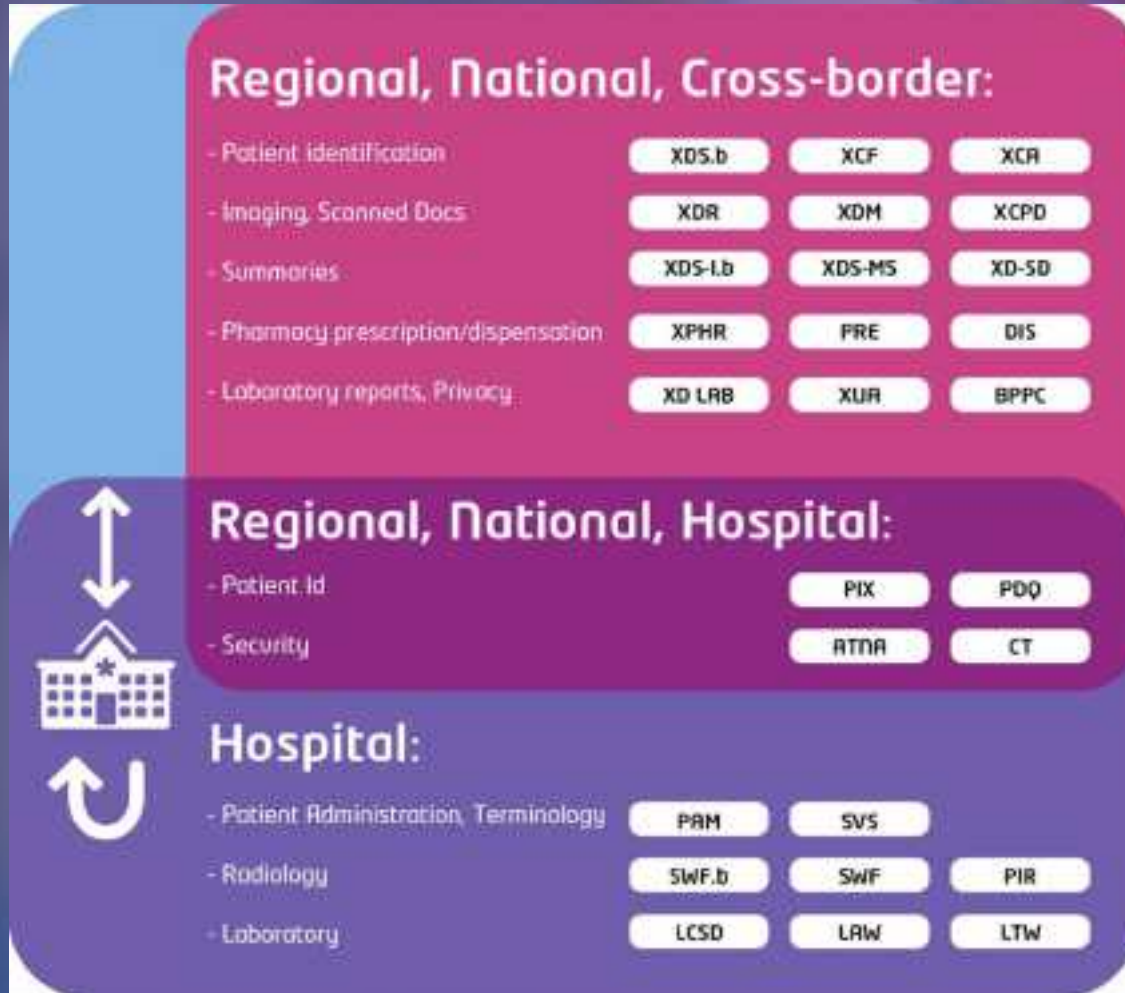Netherlands
Switzerland
United Kingdom

13 Vendor Members

Benefactors

COCIR
European Society of Radiology

User Associations

Entscheiderfabrik (GUIG)
European Association of Hospital Managers (EAHM)
European Association of Hospital Pharmacists (EAHP)
GS1 Netherlands
Nictiz
Société Française de Radiologie (SFR)

IHE is and remains to be a key enabler of digital health interoperability in Europe

Regional, National, Cross-border:
- Patient identification — XDS.b, XCF, XCA
- Imaging, Scanned Docs — XDR, XDM, XCPD
- Summaries — XDS-I.b, XDS-MS, XD-SD
- Pharmacy prescription/dispensation — XPHR, PRE, DIS
- Laboratory reports, Privacy — XD LAB, XUA, BPPC

Regional, National, Hospital:
- Patient.Id — PIX, PDQ
- Security — ATNA, CT

Hospital:
- Patient Administration, Terminology — PAM, SVS
- Radiology — SWF.b, SWF, PIR
- Laboratory — LCSD, LAW, LTW

IHE Profiles recommended by the European Commision in 2015

Austria: ELGA

Denmark: MedCom

Finnland: Kanta

France: Segur Numérique

Norway: Helsenorge

Switzerland: EPD

Selected National/Regional IHE - Adopters

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

EXPAND

epSOS
EUROPEAN PATIENTS
SMART OPEN SERVICES

ePrescription
eDispensation
Patient Summaries

Original Clinical Document

EEHRxF
Laboratory reports
Medical images and reports
Hospital discharge letters
Patient summary for rare diseases

UNICOM

- Support **the implementation of IDMP**
- Add **IDMP constrains** to eP, eD and PS
- Prepare the **testing activities included in eHDSI**

X-eHealth
Exchanging Electronic Health Records
in a common framework

- **Definition of the EEHRxF** for lab, imaging, PS and discharge letter
- Building of the **technical specifications for EEHRxF (CDA)**
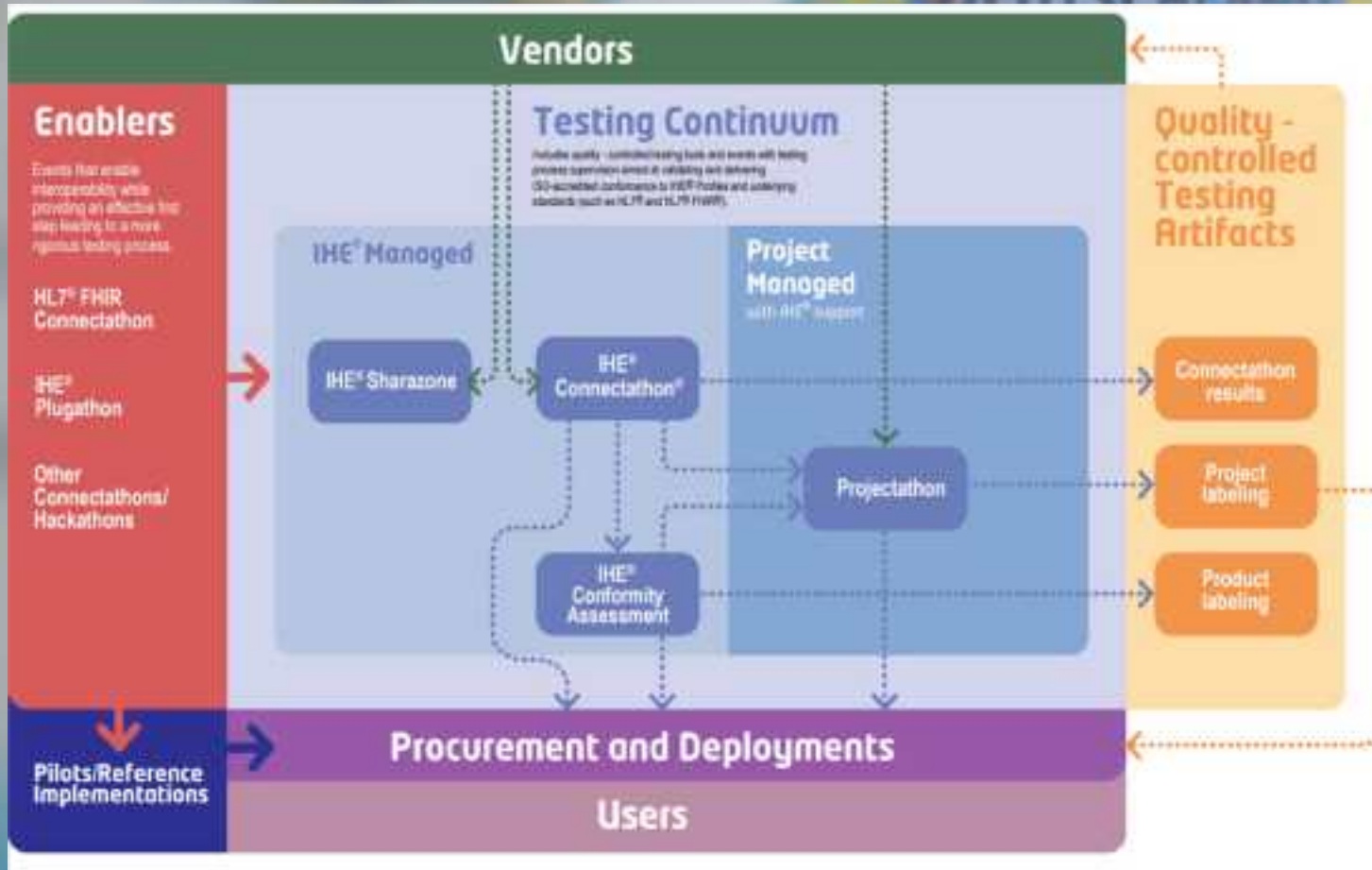- Customization of the **Testing tools to be included in eHDSI**

XpanDH

- Building of the **technical specifications for EEHRxF (FHIR)**
- **Creating a network** to **adopt the EEHRxF** in EHDS

SHARE
EHR Xchange Format

- **Share EEHRxF data in EHDS** via a click button
- Create the European EHRxF **Standards and Policy Hub**

Testing

Testing Ecosystem

Connectathons in Europe

- Together with IHE Italy in **Trieste**
- June 3-7 (the week after HIMSS Europe in Rome)
- Parallel „Experience Days" conference

o Non-profit spin-off from IHE-Europe as operatinal arm of IHE

o Driving the development of Gazelle

o Performence of Projectathons (Swiss EPD, ANS, LACPass, Canda...)

o Outsourcing of Connectathon operations in Europe from 2024 to Catalyst

o Consulting

IHE | SHARAZONE
New Dimension in Interoperability Testing

24-7 platform to access vendor's DICOM objects for testing and report back test results to the vendor

Similar legal trust framework as the Connectathon

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Incubated by IHE-Europe Nov. 2021

- 13 vendors as members
- 34 creator systems registered
- 21 consumer systems registered

- over 100 test reports received for creator systems

- regular SHARAZONE community meetings

Experience Days

- 2 packed days
- more than 30 speakers
- more than 80 participants

Certified Professional Programme

- Professional certification, supporting individuals in demonstrating their IHE knowledge
- 26 passed the IHE CPP exam during the Connectathon in Rennes (22 last year)

AI Interest Group for Imaging

– Educate AI start-ups on IHE

– Identify and define workflows for the use of AI in imaging

– Request additional Profile development or extensions as necessary

Multi-country Working Group on Image Information Sharing

– Exchange experiences among active national deployments and seek increased consistency

– Request additional Profile development or extensions as necessary

How can IHE contribute even more?

1 Education and Best Practice Sharing

- Education Programs
- Certification Programs
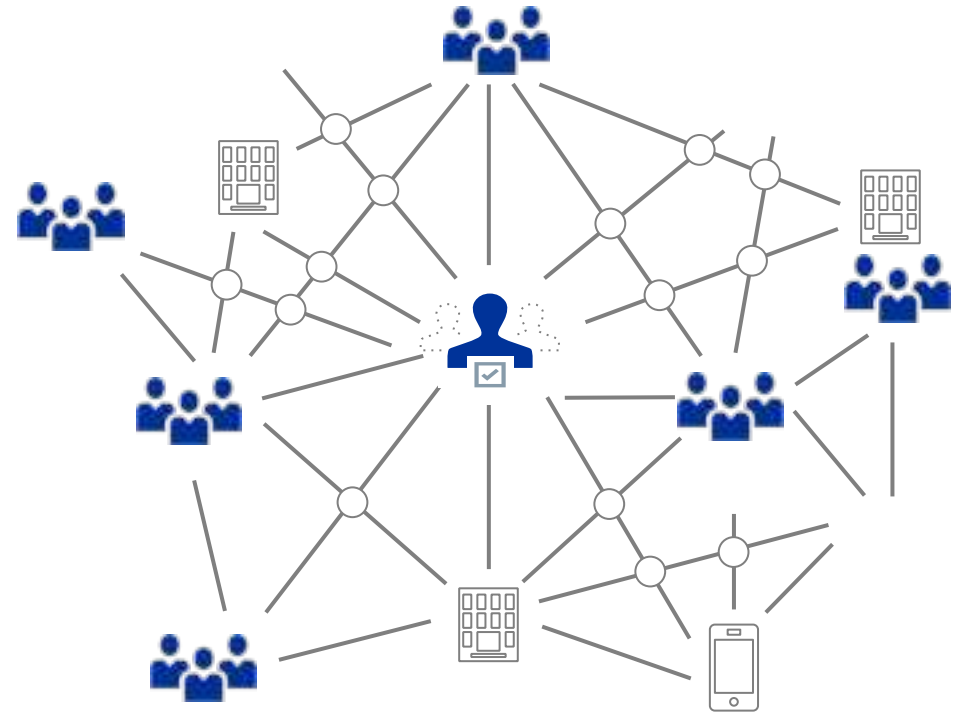- Best Practice Sharing

2 Foster Profile Development

- Assignment of Profiles to real-world use cases
- Availability of (reference) implementations for new Profiles
- Retirement of Profiles with no uptake or which are outdated

3 IHE in the context of Discrete Data Management (IHE and FHIR)

- Present value of IHE in supporting FHIR based workflows
- Present value of IHE in extending workflows beyond FHIR

Thank you for your attention!