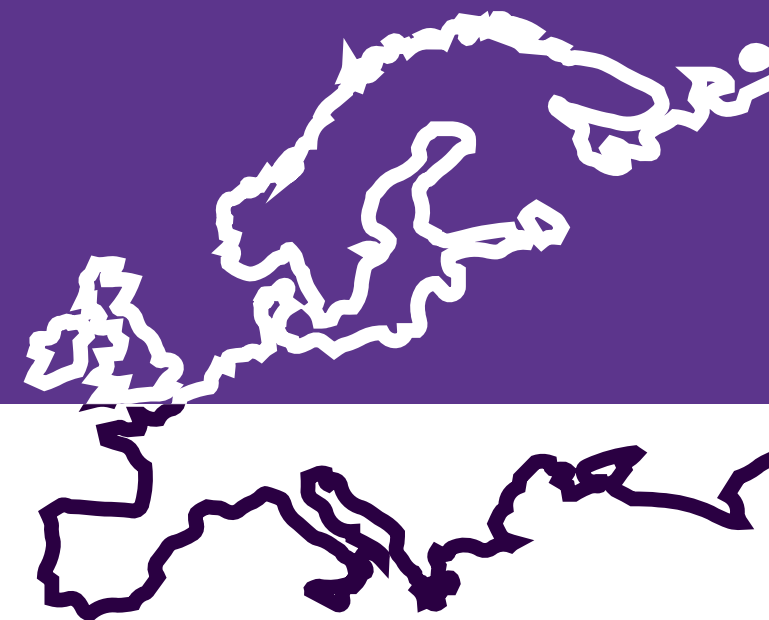




Integrating  
the Healthcare  
Enterprise



# IHE-Europe Connectathon 2023

## Call for monitors



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IHE-Europe Connectathon technical project manager  
KEREVAL / IHE Catalyst

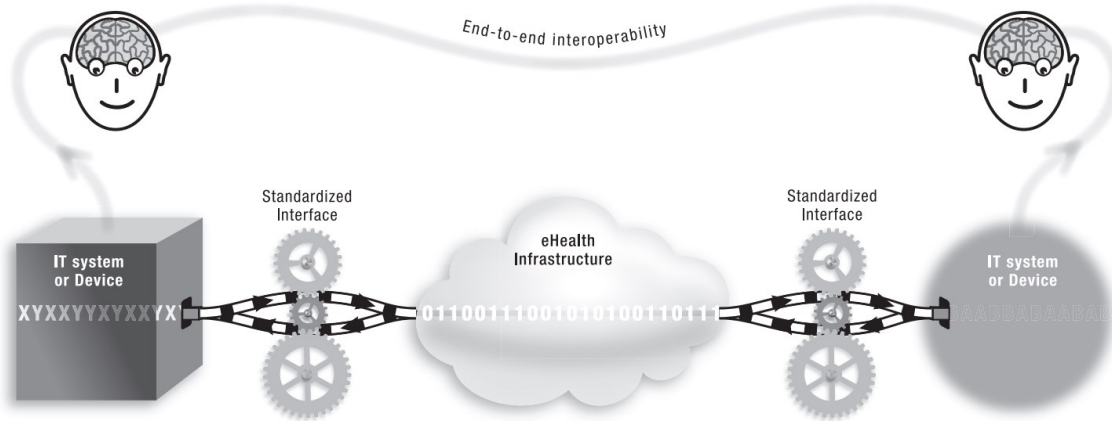


## What is interoperability?



- Interoperability is the capacity of a system to exchange data with another system, without the need for any of them to adapt itself.
- Interoperability is achieved by specifying the interfaces between the systems and which one to use for a particular use case

From ISO/TR 28380:3-2014



- Two dimensional scope of interoperability
  - the need for a “standardized interface” between the infrastructure and the various IT systems and devices it interconnects
  - the end-to-end interoperability requirements (the end-to-end user perception of interoperability)

## IHE International

- International initiative sponsored by associations of healthcare professionals around the world
- Joint effort of
  - Volunteer members of associations
  - Healthcare executives
  - Information technology experts
  - Vendor representatives

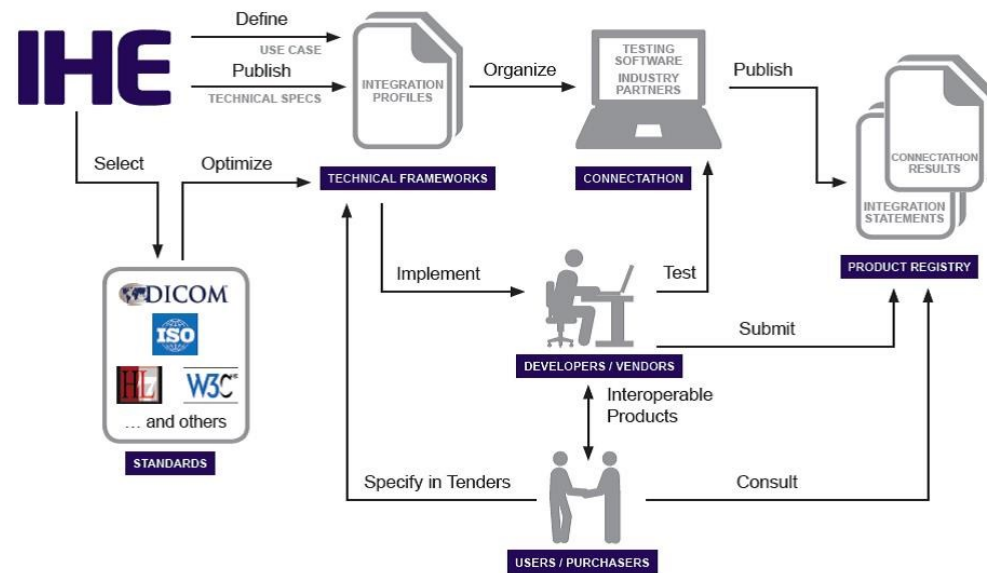
- Main goals
  - Facilitate the standard-based exchange of authorized and relevant health information for citizens as consumers of health services and for healthcare professionals in the care of their patients.
  - Empower patients and health professional with efficient access to necessary health information.
  - Make the implementation of healthcare systems easier
  - Improve the way computer systems in healthcare share information
- How
  - Organise itself as a typical Standard Development Organisation
  - Address commonly needed specific information exchange related use cases by leveraging widely recognized standards for interoperability
  - Bridge the gap between the development of standards and the effective and efficient deployment of standards-based information exchange in healthcare
  - Provide specifications
    - The IHE Technical framework (ISO/TR 28380)
  - Testing Tools for conformance and interoperability testing
  - Services for interoperability
    - Consultancy
    - Testing events

**The IHE is both a process and a forum that rationalizes at a multi-national level the adoption of interoperability standards that can be profiled and combined to meet healthcare needs.**

## IHE-Europe: a regional deployment committee

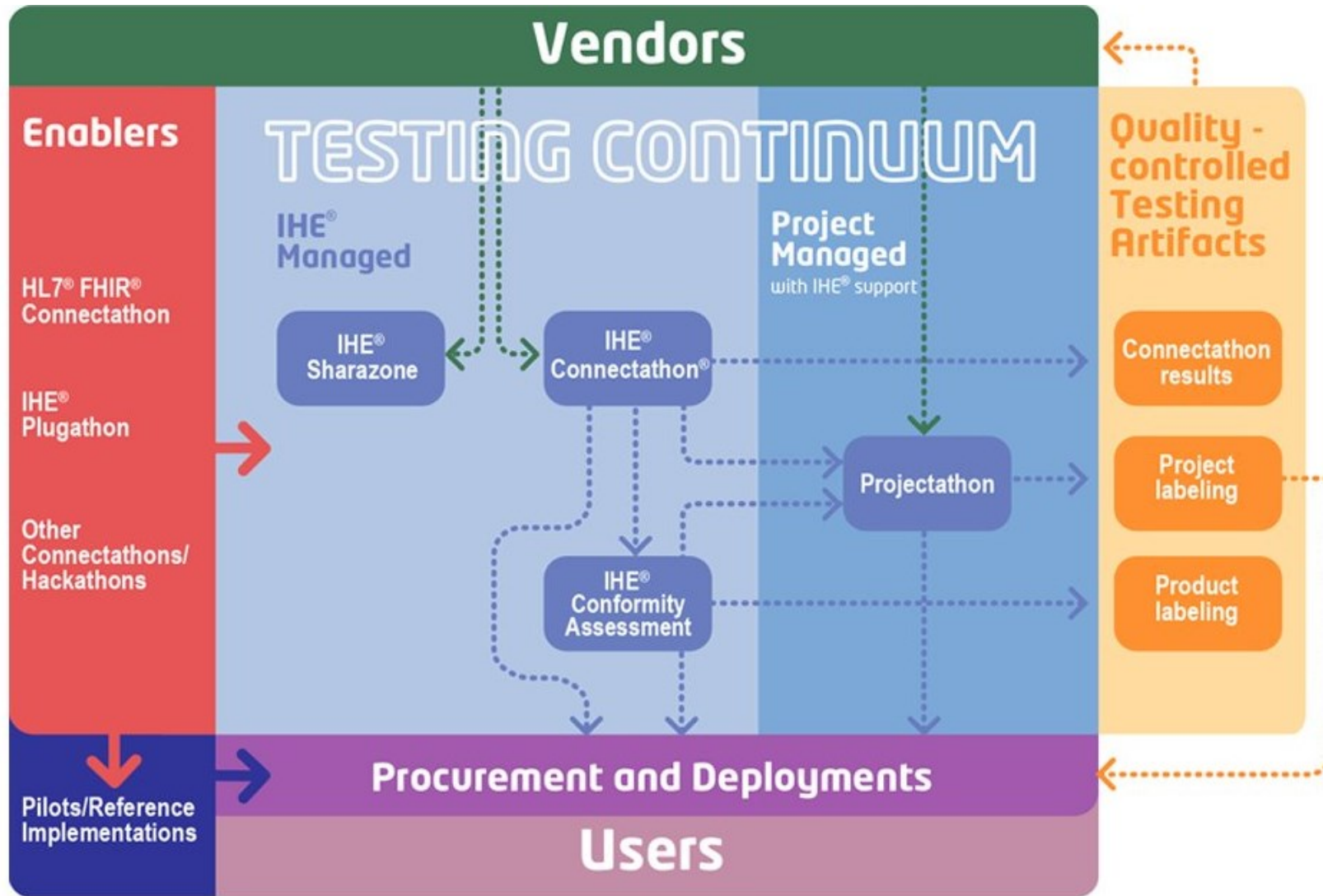
- Non-profit organisation managed by two elected volunteers (two-year term)
  - Vendor co-chair
  - User co-chair
- Engages clinicians, health authorities, industry and users to improve healthcare interoperability by:
  - Helping national and European stakeholders and policy-makers in adopting, promoting and implementing IHE specifications.
  - Developing tools and services in support of interoperability testing.
- Responsible for the organisation of the IHE Connectathon in Europe
  - With support of a national deployment committee
    - Ex. ANS and IHE France this year

## From the user's need to the Technical Framework: A four-step process



## The IHE process

- produces detailed implementation guides: the IHE Profiles
- Includes a rigorous testing process for the implementation of these technical frameworks: IHE Connectathons
- Includes a feedback loop for continuous improvement





## A place to test interoperability

- IHE Connectathon is part of the IHE technical framework development process:
  - Provides a unique opportunity for vendors to test the interoperability of their products in a structured environment with peer vendors.
  - Author can receive quick feedback on their specifications
- Participants test against multiple vendors using real-world clinical scenarios following specifications from IHE Profiles.
- Tests are overseen by a team of volunteers: **the monitors**
- Results are published by IHE International

- For IHE and SDOs
    - Collect feedback on the IHE specifications
    - Clarify some areas upon request
  - For Monitors
    - Education
    - Network
  - For test tool developers
    - Collect feedback
    - Fix bugs
- **Great initiative and great chance to improve healthcare**

- Shot at Montreux, during the last IHE Connectathon (September 2023)
  - [Euronews SmartHealth show](#)
- IHE-Europe Newspulse
  - [IHE Connectathon week 2022](#)



- Provide support to participants when they have questions about an IHE Profile
  - You might not have the answer and you will be taught who to contact if you need support
- Review the evidences posted by the participants and decide whether the test run is successfully or not
- Remain neutral and try to solve conflict if any

- Before the event starts
  - Attend the webinars to be familiar with the test tools
  - Review the IHE profiles and the test cases
- During the event
  - Monitors will be assigned a list of test cases to verify;
  - When test runs for one of this test cases are ready to be verify, they will pop-up in the monitor's worklist;
  - Monitors claim test runs and review the evidences based on the « Evaluation » section of the test case
  - Monitor grade the test: Verified (all criteria are met), Failed

- Interact and establish a relationship with the engineers who develop the healthcare products
- See how interoperability and IHE Profiles work in practice
  - You will have access to the vendors and they can demonstrate how their systems work
    - See how different vendors are implementing technical solutions
    - See how different vendors are tackling the same technical problem
    - See more integration in one week than in 10 years in a normal clinical environment
- Learn about IHE Profiles and the underlying standards
  - Get back valuable experience of how to leverage IHE in your own clinical environment
  - How can you drive the adoption of IHE in your organisation
- Finally, that's a unique chance to make an impact on our healthcare industry
- Note: first time monitors are paired with a returning monitor, for training purpose, during the first days

The IHE Connectathon will take place from 25-29 September 2023 in Rennes, France



SEPTEMBER 25-29

RENNES  2023

**IHE**<sup>®</sup>  
EUROPE | **CONNECTATHON**<sup>®</sup>

## Venue: Couvent des Jacobins (old-town)





## February - May

## June - August

## September

## Octobre

### 01 Registration

23 Jan – 26 May 2023

Complete the registration process in  
Gazelle Test Management

3 April – 21 May 2023

Call for monitors

### 02 Preparation

27 May – 8 Sept 2023

Perform Preparatory Test to get your system, test data and yourself  
ready before Connectathon.

Share the network configuration of your  
SUT to ensure your partners will be able  
to connect to your system.

22 May – 2 June 2023

Selection  
of  
monitors

5 June – 30 June 2023

Training sessions

### 03 Connectathon

25 Sept – 29 Sept 2023

Game on!  
Connect and perform  
Peer-to-Peer  
marathon test!

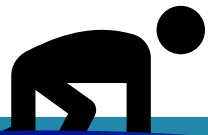
Game on!  
Review and grade  
tests !

### 04 Post Connectathon

1 Oct – 13 Oct

#### Connectathon results

Systems are evaluated by the IHE  
Domain technical project managers.  
Results will be available for review by  
mid-October and publish on IHE  
website in November after approval by  
the board.



- End of May:
  - List of testable profiles is created and the number of systems under test for each is known
  - IHE Connectathon management team assesses how many monitors are necessary for each profile
  - Select the monitors
- Early June
  - Monitors are informed about the status of their application
- From June to September
  - Webinars (How to in Gazelle)
  - IHE Connectathon management team assign tests to monitors
  - Training resources made available
  - Self-training (as time permits):
    - Read the IHE Profiles
    - Read Connectathon test cases

### As defined by IHE-Europe T<sup>2</sup>S committee

- The applicant shall not work for a company that attends (or has attended) an IHE Connectathon as vendor
- Field and level of expertise in the "testable profiles"
- Number of companies from the country of origin of the monitors
  - We try to keep a consistent ratio between the number of companies and the number of monitors from a given country
- No more than 3 persons from the same company to allow the dissemination of IHE
- The monitor shall not have conflict of interest and shall accept the NDA
- How the travel and the accommodation are funded will also be taken into account. IHE-Europe might refuse to pay air fares for travellers outside Europe.
- To allow dissemination of IHE, new monitors are more than welcome, they might represent between 15% and 20% of the team.

- GASQ will hold an on-site exam in Rennes, during the IHE Connectathon week
- IHE-Europe offers the monitors to take it for free
- Read the syllabus on [IHE International website > Education > IHE CPP](#) (very bottom of the page)



## Monday



Grab your badge, find your seat, and start grading tests



Official opening at 10AM



Monitor meeting at 11AM



IHE CPP exam organised jointly with GASQ – 4 to 5PM



Testing from 10:30AM to 5:30PM

### Included for monitors



Seated lunch provided every day



Coffee, tea, and refreshments available all day long



Complementary ticket for the social event

## Tuesday



Review and grade the test cases from participants



Testing from 9AM to 5:30PM

## Wednesday



Keep on grading tests



Photo shoot for the Dream team in the morning



Testing from 9AM to 5:30PM

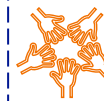
## Thursday



Keep on grading tests



Testing from 9AM to 5:30PM



In the evening: Social event

## Friday



We close at noon ! Help the participants fulfilling their test requirements



Thank you for your hard work!  
Official closure  
Short interactive survey



Testing from 9AM to noon



- IHE-Europe Experience Days
  - 26-27 September
- Journées nationales des industriels by ANS (France)
- Projectathon interopérabilité by ANS (France)
- Journée française de l'interopérabilité
- Journée de l'écosystème breton

- All pointers available on [Gazelle TM](#) home page
  - Join the IHE Community in [Zoho](#)
  - [Sign-up](#) to IHE-Europe newspulse
  - Follow IHE-Europe on social media
    - [LinkedIn](#)
    - [Twitter](#)
- Follow-up on IHE Domain updates and ask question to their communities
  - [Mailing lists](#)
- IHE Domains welcome feedback on their profiles: [Contribute!](#)

