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EUROPE

EXPERIENCE
SESSIONS
15-17 JUNE 2021



IHE European Connectathon Online VIP Tour

Introduction

The secrets behind the IHE Connectathon

Use case centric:

It all starts with an **interoperability problem** faced by **users** (clinicians, health authorities, provider organisations) and **engaging the vendors**

IHE Profiles centric:

Use case(s) are transformed by IHE Domains Committees (IHE International) into one or more IHE Profiles, a *standards based detailed specification*

Real-world implementation centric:

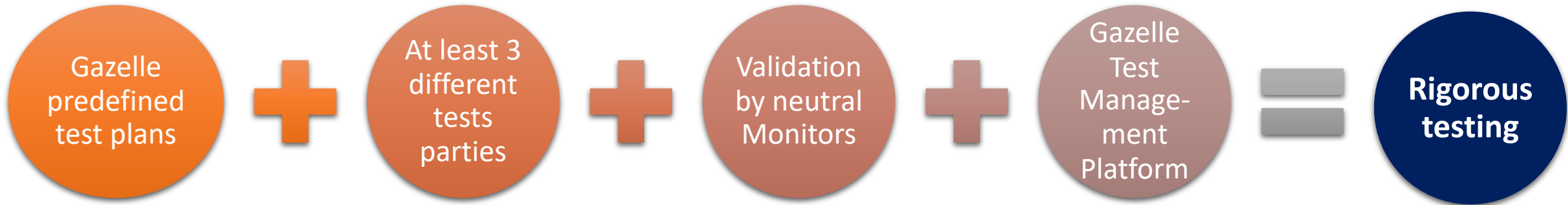
Connectathon Participants have to bring an implementation of one or more **IHE Profiles**.

It is not about evaluation of emerging standards (e.g. HL7 FHIR Connectathon) nor a hack-a-thon (invent as you implement).

Rigour:

Participants have to **(1)** pass “pre-connectathon tests” before showing up, **(2)** have to follow test plans set by IHE, **(3)** that are monitored for correct execution

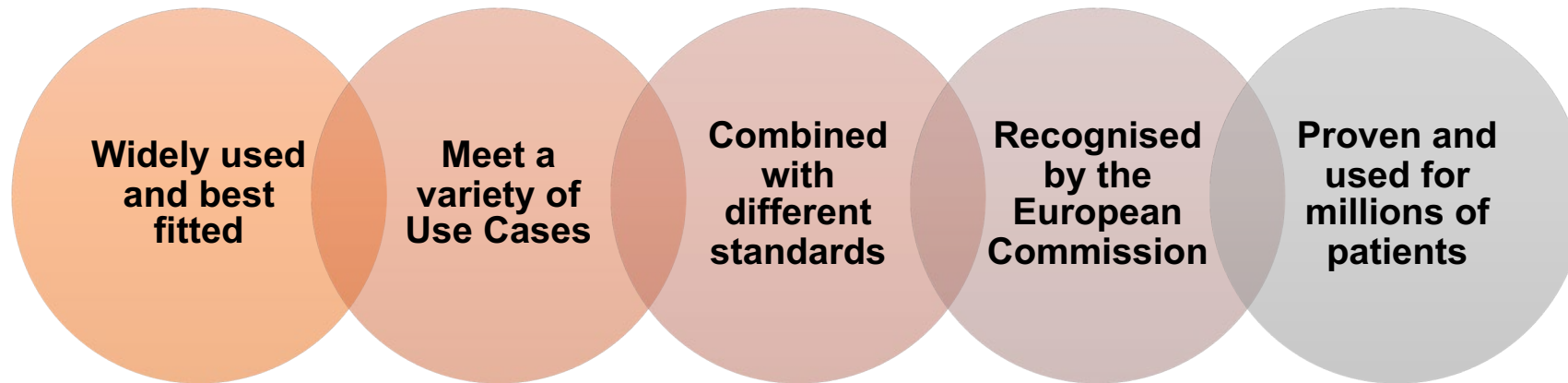
- **Testing rigour is driven by:**



- **Culture change by IHE Connectathon Participants:**

- You can only succeed if you collaborate with the other vendors
- Others can help you to better understand IHE Profiles and underlying standards
- Convinced of higher effectiveness to comply with a profile to address your customers needs (while keeping some flexibility)

- IHE Profiles are **international in scope** → **ensuring reuse** (rather than reinvent) across many projects/countries.
- IHE Profiles come **with test tools** (Gazelle test tools) → accelerating deployment
- IHE Profiles **minimise deployment risks** and offer robustness leveraging already proven & stable standards).
- IHE Profiles are specified based on standards that are:



The myth: a “good” or “better” standard needed to solve interoperability (technical and semantic)

What you see here is the fruit of a **20 years proven IHE process:**

Robust standards

- A first and necessary step, but they are too generic and/or too narrow

Fit to Use case

- To address the real-world interoperability “use case” needs to restrict and complement (even true with HL7 FHIR) as well as combine with existing standards (a clean plate is the enemy of progress).

Profiled

- Quality tested IHE Profiles (and therefore standards) adoption by deployments and vendors brings interoperability to the real world

20 plus years of experience with face-to-face IHE Connectathon continues to evolve with the support of an ***online testing process***:

Trust and collaboration

- Usually by **face to face** exchanges
- **Online** with online social events and online exchanges/meetings

New challenges

- Connectivity challenges
- Interaction between testing participant, monitors and systems
- Personalise online support on Gazelle tool

Communication

- By blending the power of **IHE Gazelle Test Platform** with video conferencing and chat tools of today

- **106** participants supporting...
- **30** registered systems, from...
- **11** European Countries, testing...
- **45** IHE Profiles, covering...
 - Hospital centric use cases
 - Regional/national health information sharing
 - Personal Health devices
 - Public Health use cases
 - International information sharing
- Overseen by **29** Monitors from **7** European countries plus the USA, Turkey and Gabon.





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- IHE Connectathon Introduction
- The strategic role of the IHE Gazelle test management platform
- A vendor's Experience testing the International Patient Summary
- Using the results of Connectathons in designing and procuring interoperability
- Question and answers throughout the VIP tour

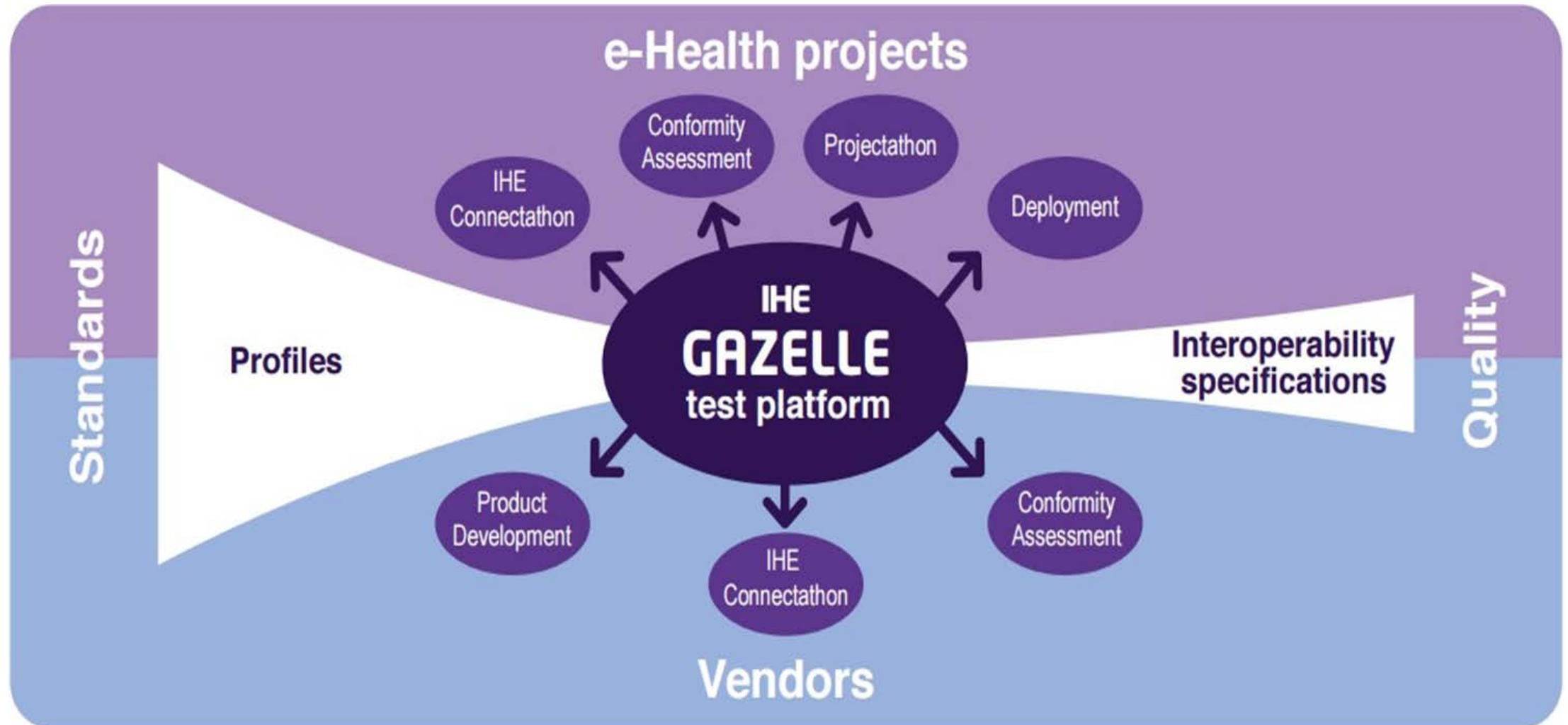
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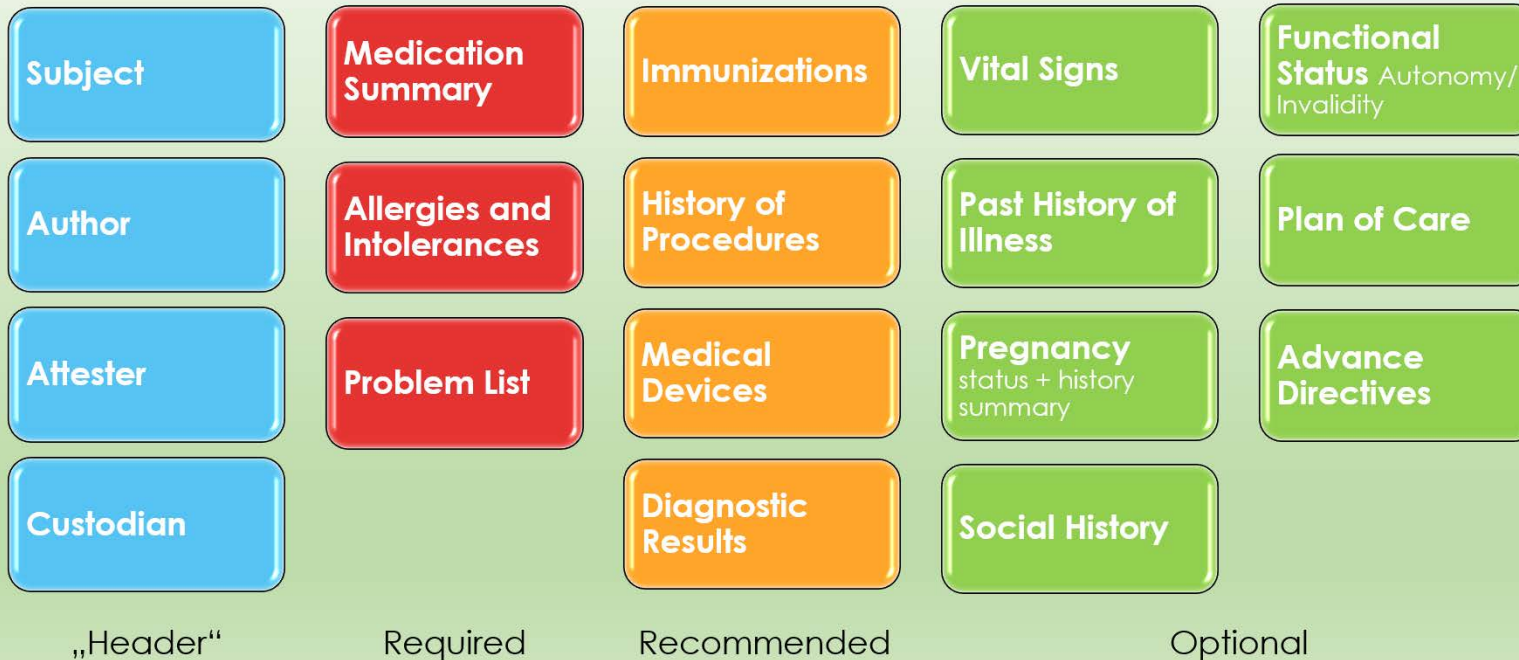


The strategic role of the IHE Gazelle test management platform

Strategic role of the IHE Gazelle test management platform

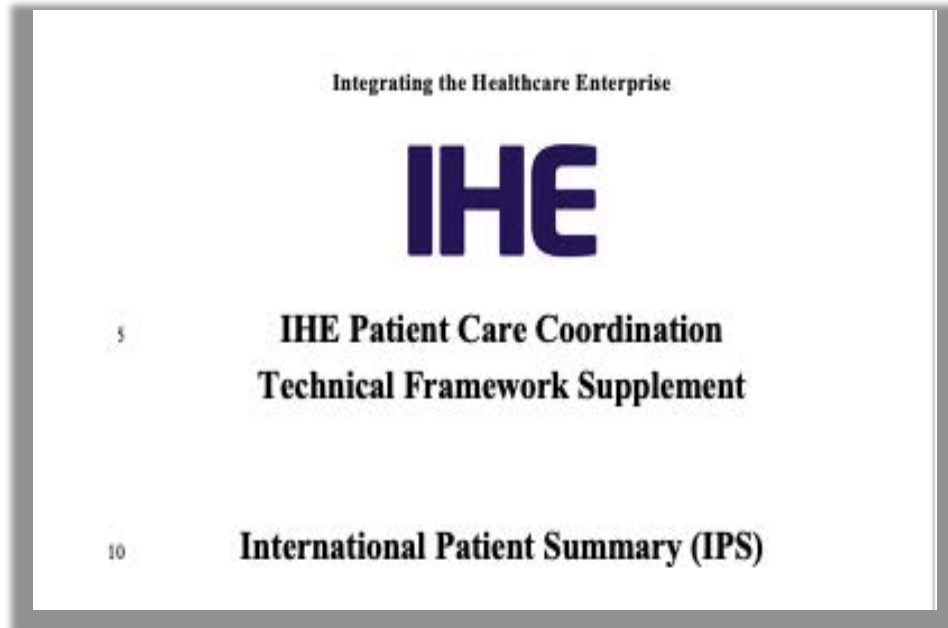


IPS Composition



The International Patient Summary (IPS), with the initial focus upon unplanned care across national borders, describes the required Minimum Data Set needed for the continuity of care for a person and the coordination of healthcare.

IHE IPS Profile supports multiple international use cases (planned and unplanned care) based on both HL7 IPS Implementation Guides (CDA and FHIR). Removes variations to ensure testing and deployment in commercial products and set continuity of care requirements..



IHE Profile encourages implementation and testing among vendors to provide additional feedback and real-world use of the standard.

First tested at the June 2021 European Connectathon



Using the results of IHE Connectathons in designing and procuring interoperability

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How to use IHE for interoperability in your ehealth Project?

Interoperability in Digital Health is one of the key challenges for a successful deployment of an eHealth or health IT project.

Robust interoperability allows interactions between systems in a standardized way to ensure that the systems understand each other and foster the quality of exchanges. This It is not so obvious to understand why interoperability in eHealth project needs to receive special attention to achieve success. This is why IHE has been developing a structured and now proven methodology that leads to support the implementation of IHE Profiles and underlying standards in your eHealth or health IT project.

IHE with its 20 years of experience in interoperability and successful support to various eHealth projects across Europe and beyond, offers expertise in interoperability. It enables the diversity of eHealth projects operating at different levels from local such as hospitals, regional/national and cross border.

These resources are presented in the following pages as accelerators and guidance for realising interoperability in your project. They are organised along the various phases of eHealth projects, where information exchange between IT systems and devices needs to be achieved:

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graph LR
    A[Policy Alignment] --> B[Interoperability Requirements]
    B --> C[Interoperability Specifications]
    C --> D[Testing Strategy]
    D --> E[Procurement of Interoperability]
    E --> F[Deployment]
    F --> G[Governance of Interoperability]
    
```

https://www.ihe-europe.net/ihe-in-europe/use_case_implementation

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Using the results of IHE Connectathons
in designing and procuring interoperability

Using the results of IHE Connectathons in designing and procuring interoperability

<https://connectathon-results.ihe.net>

Result Matrix For integration_profile : "Cross-Enterprise Clinical Documents Share (XDS.b)"

[\[New Search\]](#) [\[Save as xls\]](#)

Result with:

- All Actors
- Integration Profile is 'Cross-Enterprise Clinical Documents Share (XDS.b)'
- All Connectathons
- All Companies

	Document Administrator	On-Demand Document Source	Patient Identity Source	Document Registry	Document Repository	Embedded Repository	Document Source	Document Consumer
Adaptive TechSoft							*	*
AEGIS.net, Inc.				*	*		*	*
AGFA Healthcare			*		*	*	*	*
ALERT Life Sciences Computing	*	*		*	*		*	*
Allgeier Medical IT GmbH				*	*	*	*	*
Allscripts Healthcare Solutions			*	*	*		*	*
Apixio							*	*
Asseco Poland S.A.			*	*			*	*
athenahealth, Inc.			*				*	*
A-thon S.r.l.	*	*		*	*		*	*
Atlas							*	*
Aware, Inc.							*	*
Axolotl Corp.				*	*		*	*
AxSys Health Corp.							*	*
Axway			*				*	*
AT&T GmbH				*	*		*	*
BIT Computer Co., Ltd.							*	*
BlueWare, Inc.							*	*
Bridgehead Software				*	*	*	*	*
Burnbank Systems Ltd							*	*
Candella				*	*		*	*
Can Englu Bilgi Sis. Ins. San. ve Tic. Ltd. Sti				*			*	*
Canon-Nuance							*	*
CARADIGM				*	*		*	*
CareEvolution, Inc.	*	*	*	*	*		*	*
Carefx				*	*		*	*
Carestream Health (formerly known as Kodak)				*	*		*	*
CDC NPCR							*	*
CEGEDIM							*	*
Centers for Disease Control and Prevention							*	*
Cerner Corporation		*	*	*	*	*	*	*
Certify Data Systems				*	*		*	*
CGM Clinical Österreich (formerly known as systema)	*						*	*
CGM Clinical Österreich	*						*	*
Change Healthcare					*	*	*	*

Question and Answers