



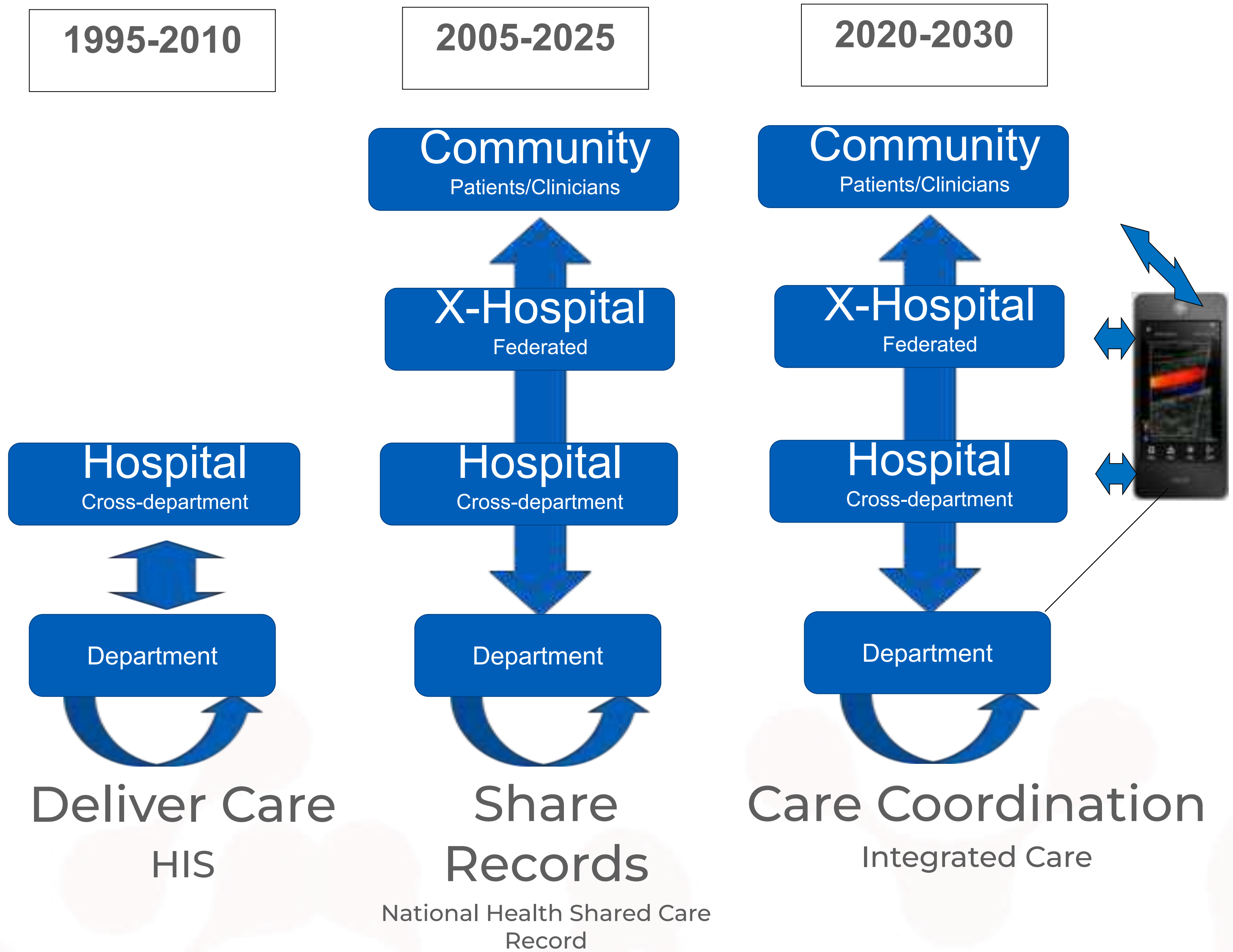
INTEROPERABILITÀ, FASCICOLO SANITARIO ELETTRONICO ED ECOSISTEMA DEI DATI SANITARI - Strumenti di gestione delle interdipendenze dei setting assistenziali

***Claudio Saccavini
Managing Director***



Making Healthcare Interoperable





European Exchange
Format of EHR
Principles

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The development of an European electronic health record exchange format is fundamental to achieve secure, interoperable, cross-border access to electronic health data in the EU.

get involved!

ehAction

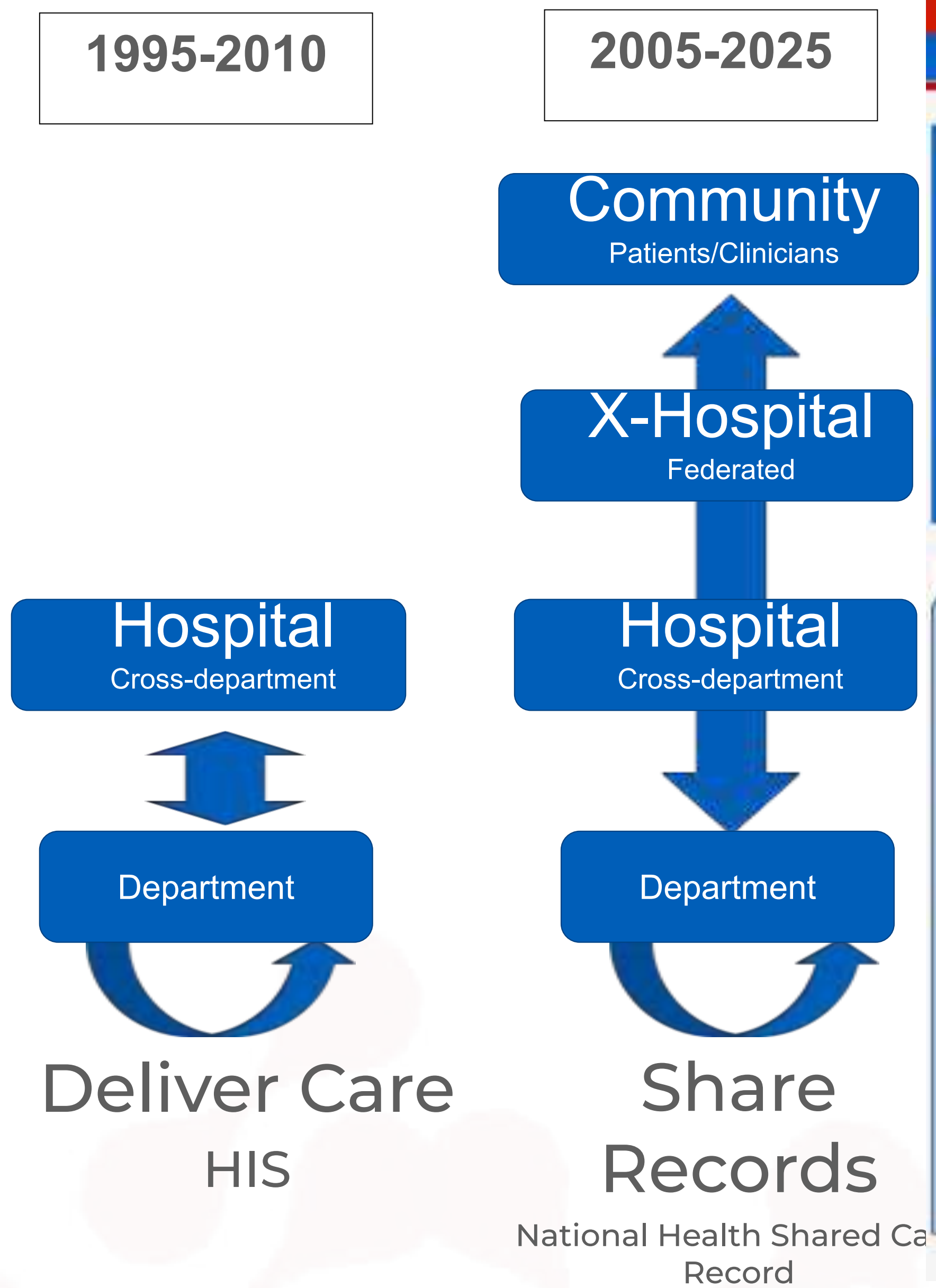
Reuse of Data – Cross
Border

European Health Data Space
WHO Smart Vaccination Certificate

Evolution and role of Information Exchange in Healthcare

IHE

CATALYST



Evolution and role of Information Exchange in Healthcare



Background

- **National Programme for IT (NPfIT):** Launched in 2002, it aimed to introduce a single, centrally mandated electronic care record for all NHS patients and connect 30,000 general practitioners to 300 hospitals.
- **NHS Connecting for Health (NHS CfH):** Established in 2005, it was the Department of Health's delivery arm responsible for managing the central components of the NPfIT program.

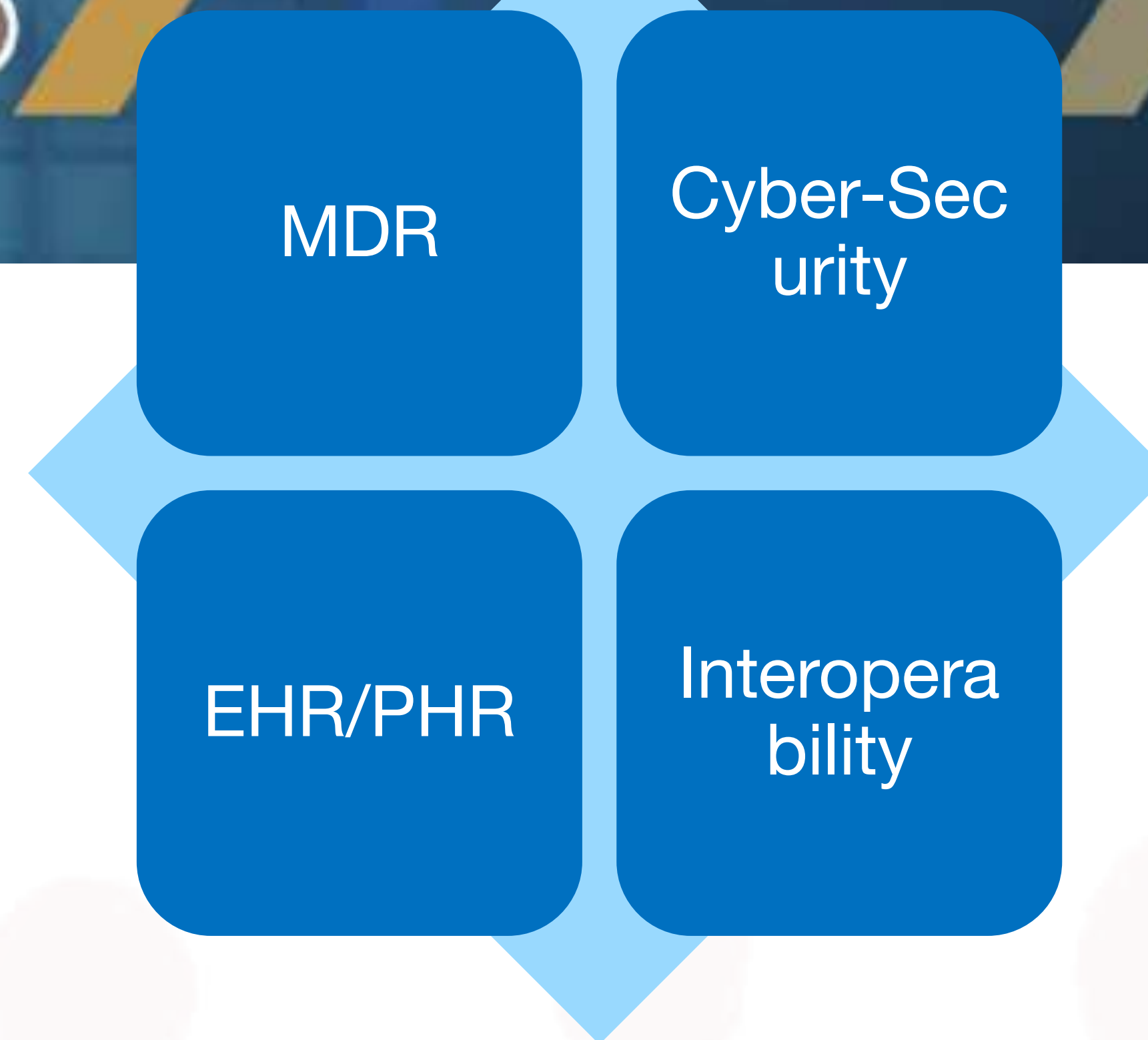
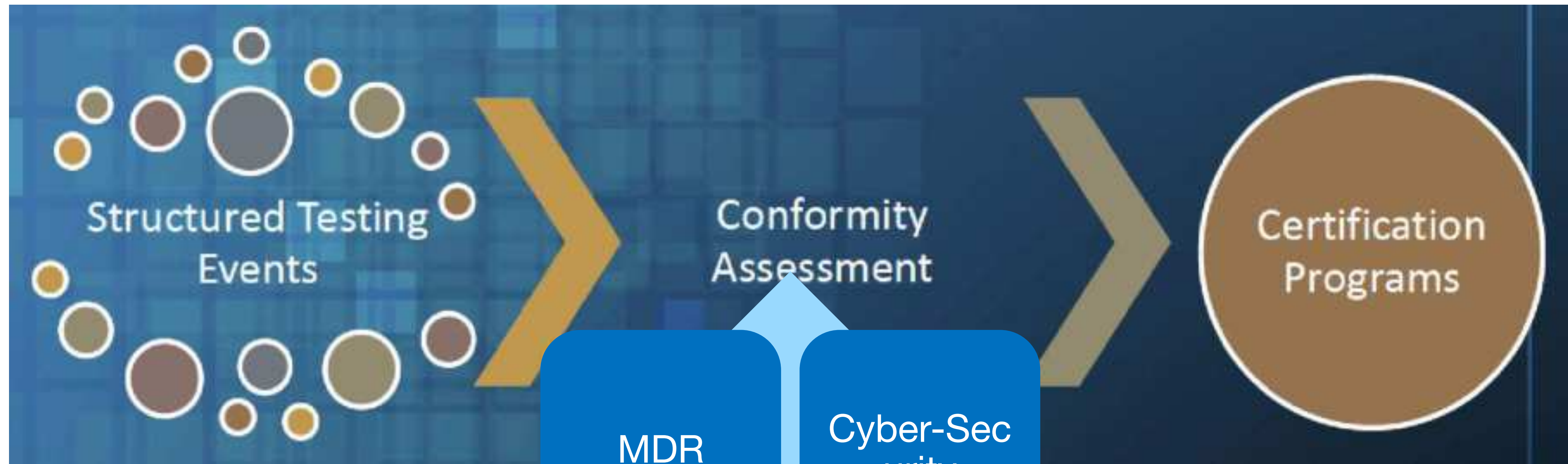
Dismantling and Demise

- **Program Cancellation:** The NPfIT program was officially dismantled in 2011 after failing to deliver its original vision of a standardized, centrally imposed system.
- **Decentralization:** The focus shifted from a national system to local trust-developed systems and local software solutions.
- **Official End:** NHS Connecting for Health ceased to exist on March 31, 2013.

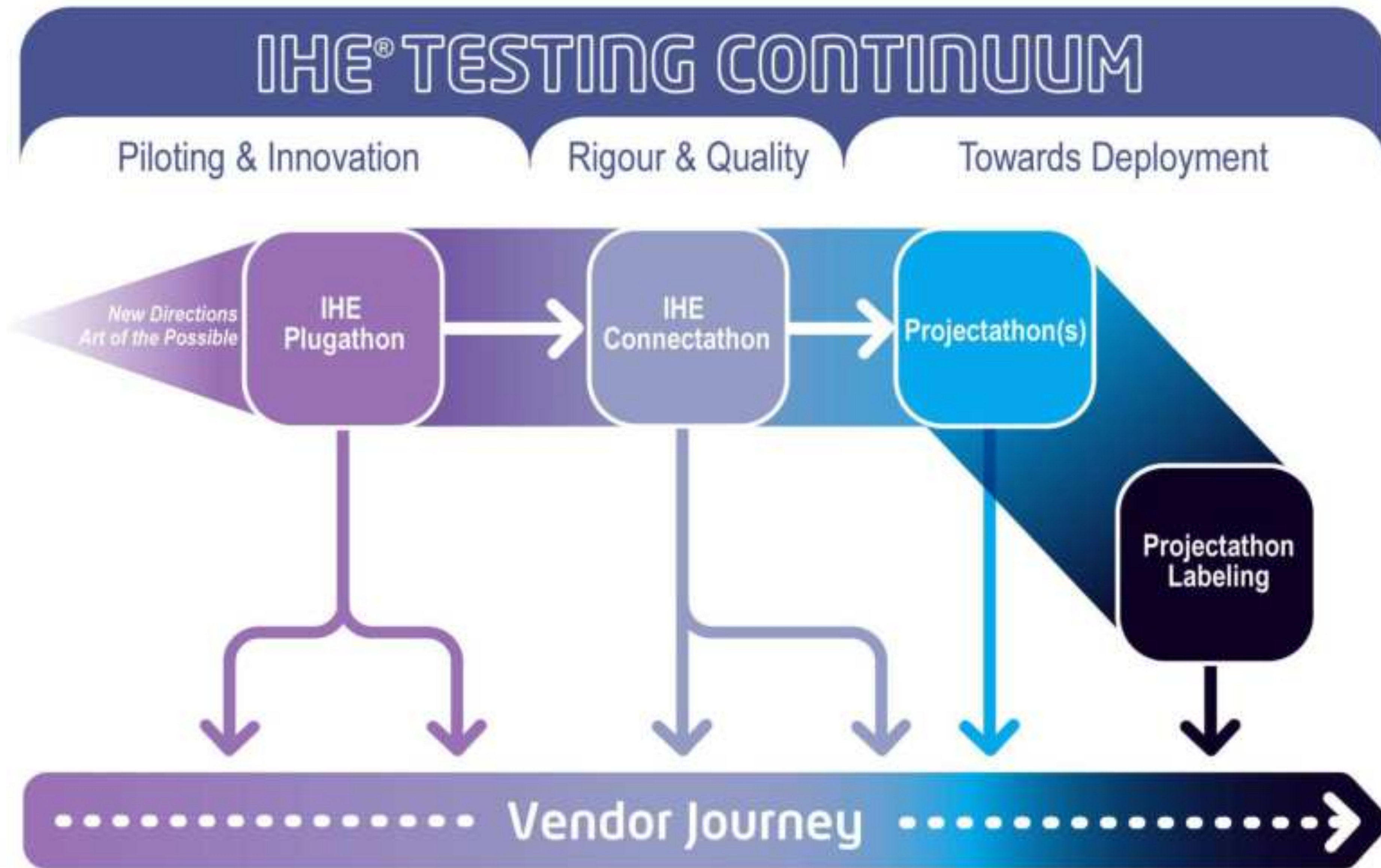
Reasons for Failure

- **Lack of Engagement:** A key reason for the program's failure was a lack of engagement with end-users, such as doctors and patients.
- **Technological Determinism:** The program was seen by some as a technologically deterministic vision imposed by outsiders who lacked understanding of healthcare.
- **Project Scale:** The sheer scale of the project was underestimated, leading to significant delays and increased costs.

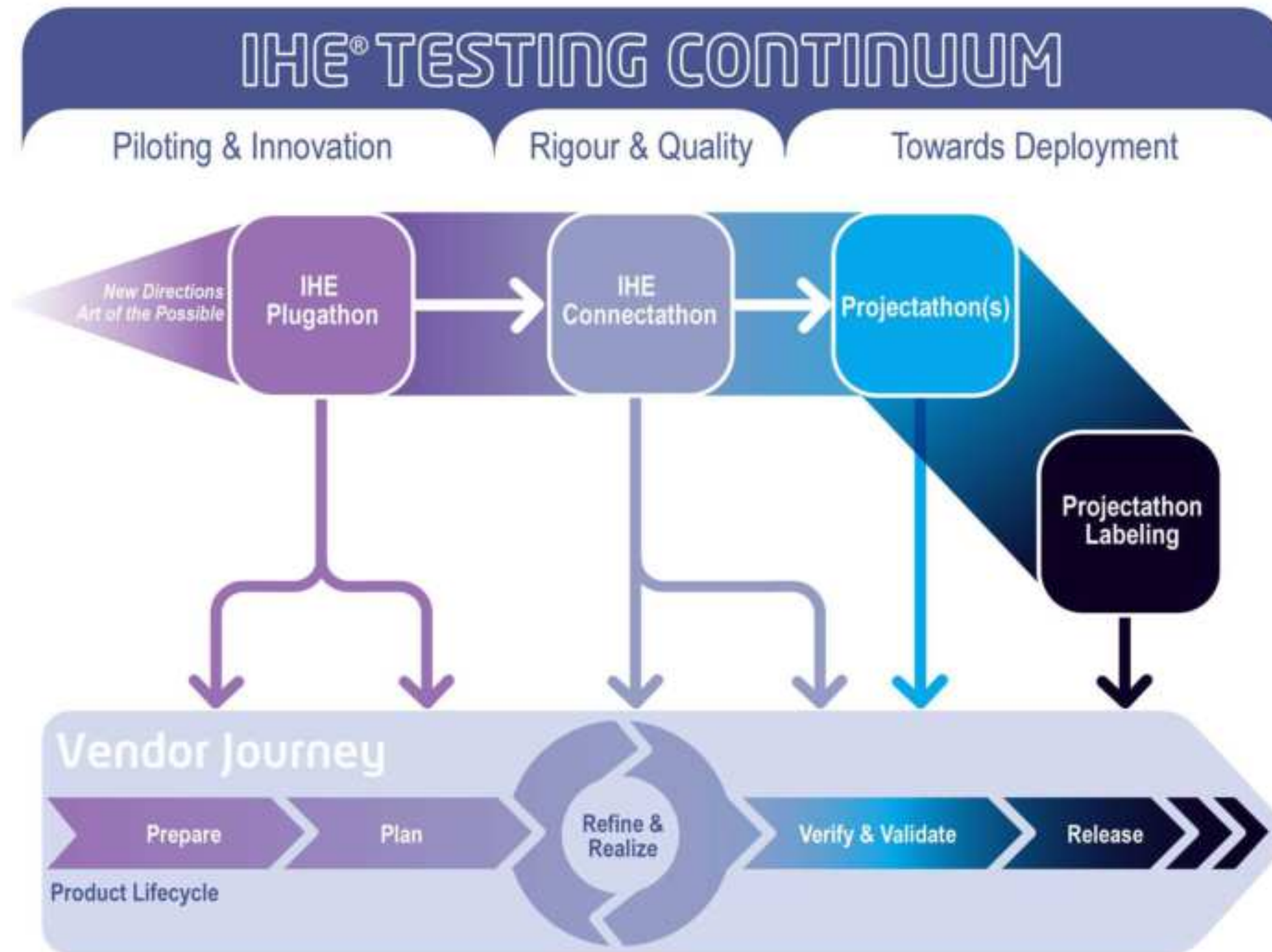
The Vision: operate in a certified environment



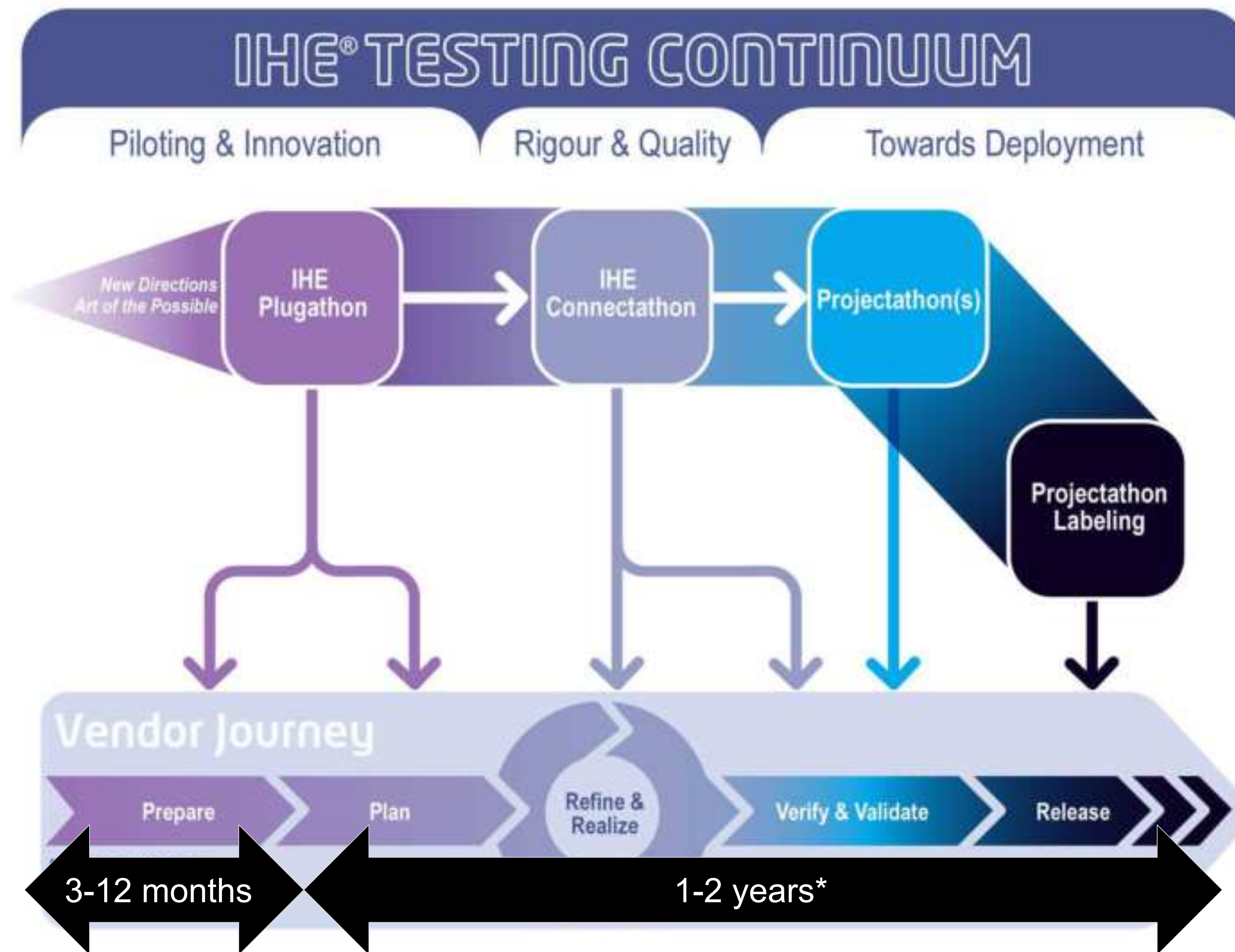
How the Ecosystem Should Adapt



How the Ecosystem Should Adapt



How the Ecosystem Should Adapt



IHE Connectathon



Examples of Projectathons



Canada Health **Infoway**
Inforoute Santé du Canada



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



**Once
only hub**



epSOS / eHDSI Projectathons

epSOS projectathons since 2011



EXPANDATHON

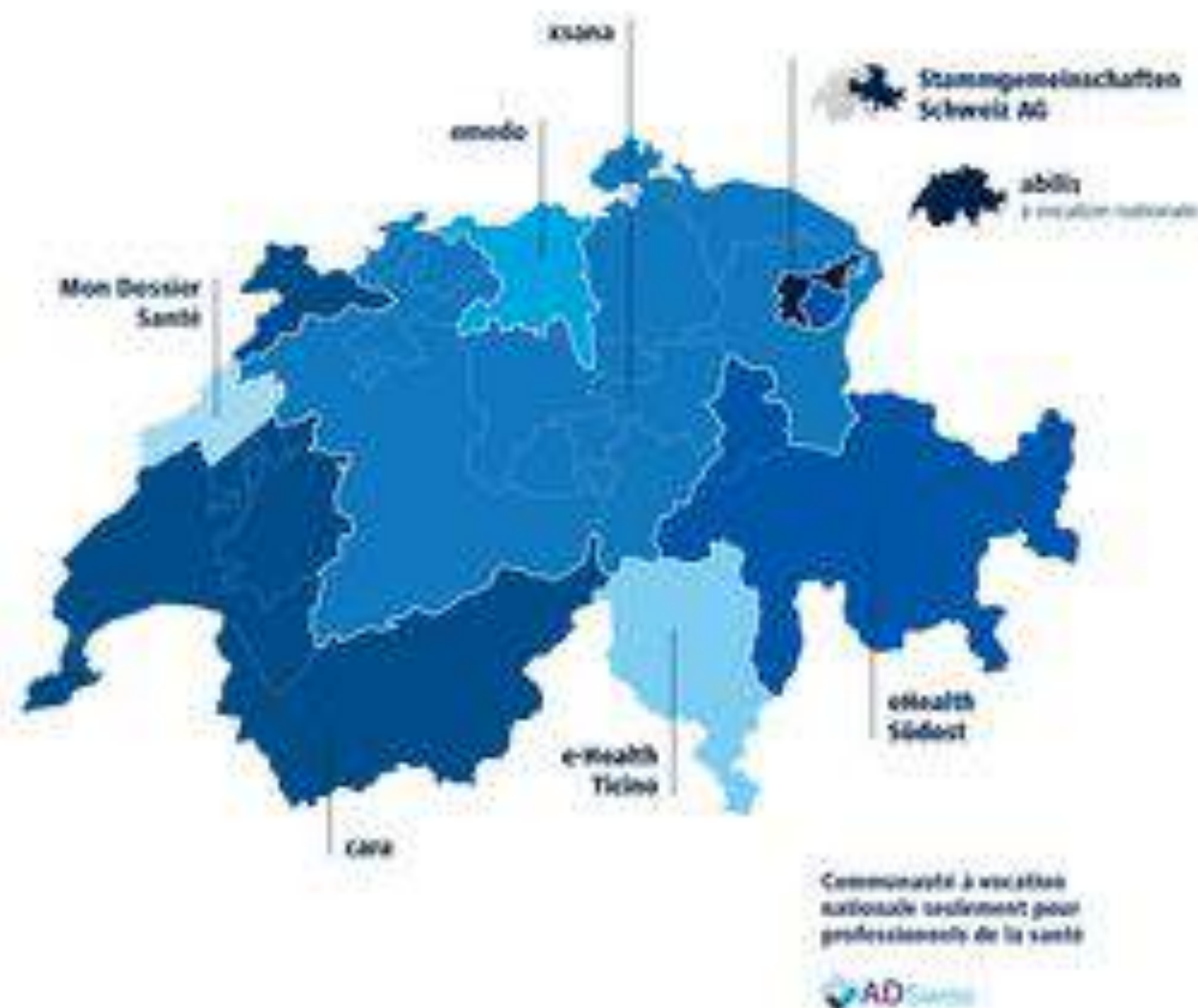
Lisbon 9-11 December 2015

<http://www.expandproject.eu/expand-final-event-lisbon-ehealth-week/>

Online eHDSI projectathons since 2016



Dossier électronique du patient Communautés en cours de constitution Mars 2020



Toutes les communautés (de référence) en cours de certification sont notifiées. Une communauté (de référence) est assignée à un canton si celui-ci y joue un rôle important (p. ex. dans l'organisation régionale), s'il a officiellement formulé une recommandation (p. ex. aide financière) ou si une institution majeure située sur le territoire du canton s'est affiliée à la communauté (de référence).

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cara.



Cantons
FR, GL, AI, VO, VS

Communauté de référence
Cara

BOSSIER SANTÉ



Canton
NE

Communauté de référence
Dossier électronique du
général Neuchâtel

xsana



Cantons
BE, BL, BS, LU, NW, OW, SG, SH, SO,
SZ, TG, UR, ZG, ZH

Communauté de référence
KAD Stammgemeinschaft

emedo



Canton
AG

Communauté de référence
eHealth Aargau

e-Health Ticino



Canton
TI

Communauté de référence
e-Health Ticino

eHealth Südost



Cantons
AI, GL, GR, SE

Communauté de référence
eHealth Südost

abilis



Cantons
à vocation nationale

Communauté de référence
Abilis AG

Stammgemeinschaften Schweiz AG



Cantons
Region Ost: AI, AR, GL, GR, SO, TG
Region Centre: LU, NW, OW, SZ, UR

Communauté de référence
Stammgemeinschaft Region Ost,
Stammgemeinschaft Region Centre

ehealthsuisse

Centre de compétences et de coordination
de la e-santé en Suisse

LACPass Projectathons (supported by IHE Catalyst) so far

- Chile 2022
- Sao Paulo 2023
- Bogota 2024



More events planned until 2027

- El Salvador PH4H 2025
- Peru - national 2025
- Paraguay - national 2025
- Trinidad y Tobago PH4H2026
- Bahamas national 2026
- Panama PH4H 2027



Current Use Cases

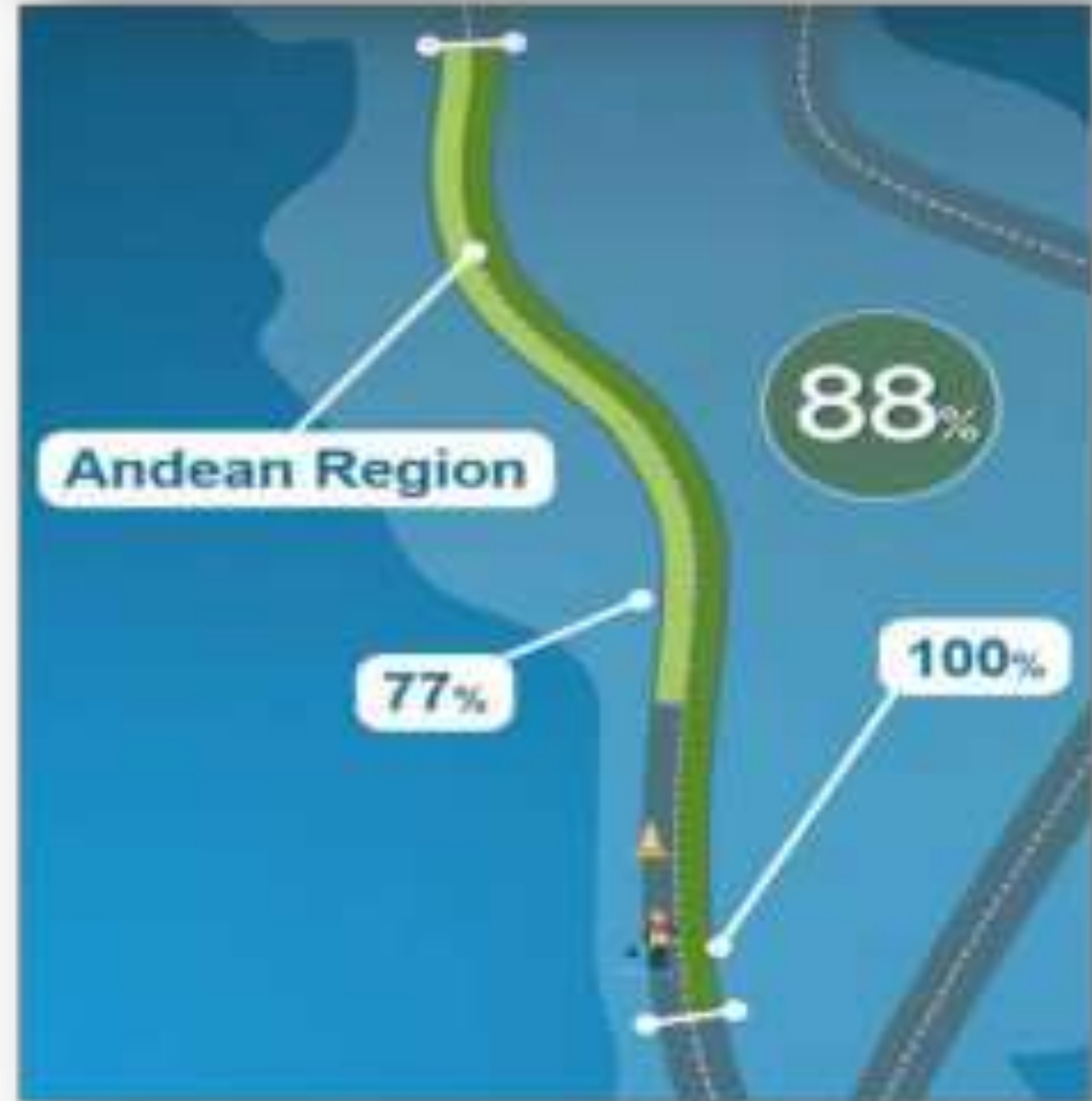
1. Cross border IPS sharing
2. Digital vaccination certificates



PH4H Use Cases

1. Digital immunization certificates
2. Continuity of Care - IPS
3. Public Health and Research
4. Cross border telehealth services
5. Digital certification of professional credentials
6. Document certification (IPS/VHL)
7. Supply chain
8. Knowledge Hub

LACPass Results 2024





EHDS in a Nutshell – what is it about?

1. Primary use = use of data for the delivery of healthcare
 - Improving patients' access to their health data;
 - Ensuring seamless exchanges for continuity of healthcare.
2. Secondary use = use of data for research and public interest purposes
 - Making data available for research, policy-making etc. in a safe and secure way.
3. Requirements for electronic health record (EHR) systems
 - Creating a single market for electronic health records systems, supporting both primary and secondary use.

Scope of harmonisation

EHR systems must contain two harmonised components, starting early 2029 / early 2031 for 1st / 2nd group of priority categories:

Interoperability component

- Provides capability to import/export data in EEHRxF as per Art. 15

Logging component

- Provides capability to generate the logs of access as per Art. 9

Detailed specifications to be set out by COM in implementing act.

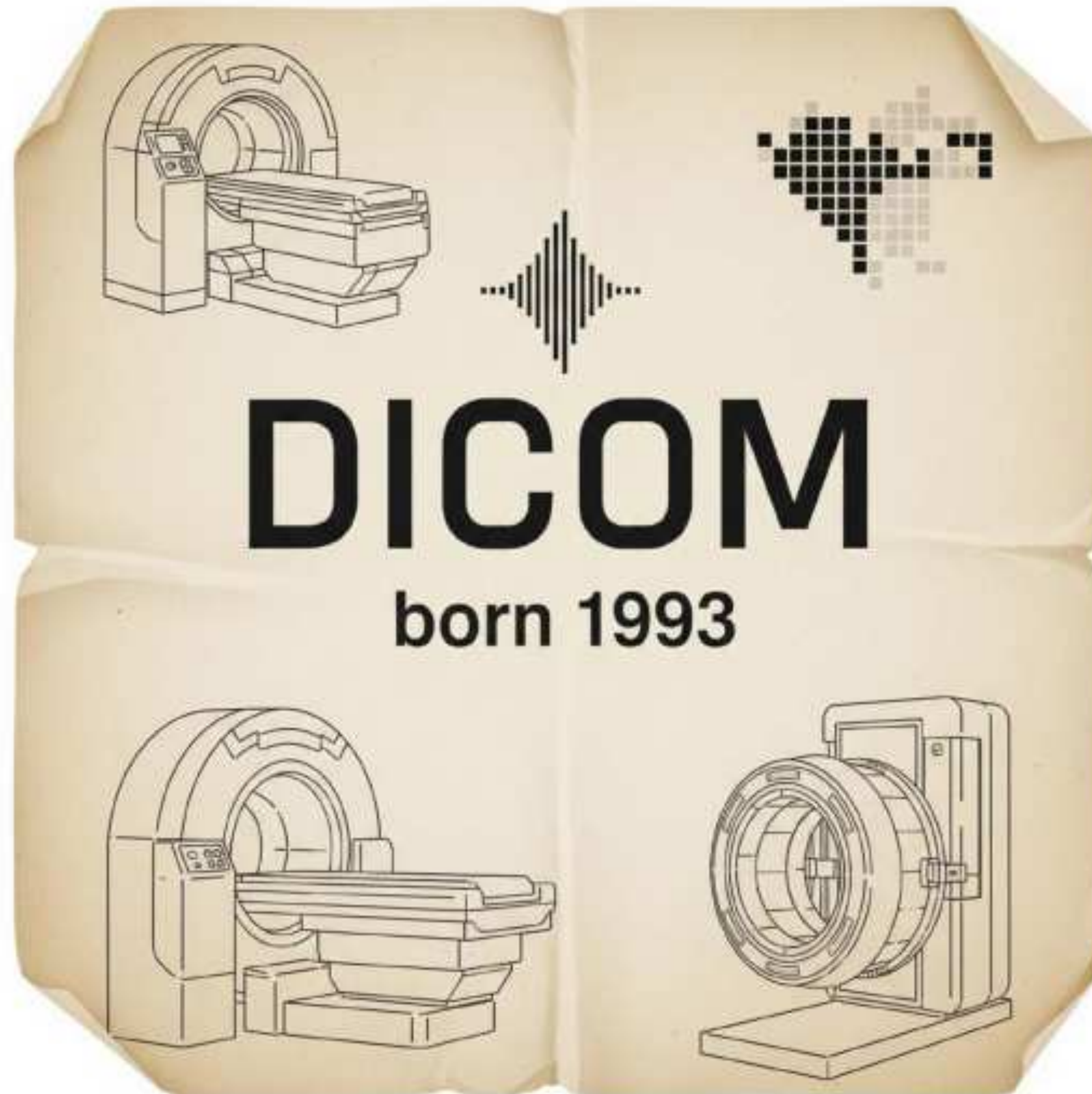
Member States remain free to have requirements on other parts of EHR systems, provided they don't interfere with the harmonised components.

What will happen when?

- For patients:
 - March 2029: can use health data access services and exercise rights for 1st group of priority categories
 - March 2031: go-live for 2nd group of priority categories
- For healthcare providers:
 - March 2029: for 1st group of priority categories, connect to NCP, can use health professional access services
 - March 2031: same for 2nd group of priority categories

What will happen when?

- For manufacturers of EHR systems:
 - March 2029: only sell compliant systems for 1st group;
 - March 2031: only sell compliant systems for 2nd group;
- For Member States:
 - March 2027: designate digital health authority
 - March 2029: for 1st group, ensure they're connected to MyHealth@EU and that healthcare providers are connected to NCP; ensure that access services are up and running; provide testing environments;
 - March 2031: same for 2nd group.



Human Interoperability Ecosystems of Stakeholders





Thanks

