Xt-EHR Projectathon III

IHE Europe Webinar Series
23 January 2026

- Please keep your microphone **muted**
- **Questions during the session?** Please use the chat box. We will address the questions in the second part of the webinar
- Note that this webinar will be **recorded** and made available on our IHE-Europe [YouTube channel](#)
- Slides will be **available on IHE-Europe** [**webpage**](#)

Welcome

Sofia Franconi

Agenda

Time	Topic	Speaker
11:00 – 11:05	Welcome	Sofia Franconi
11:05 – 11:30	Xt-EHR Projectathon test cases	Jürgen Brandstätter
11:30 – 11:40	Gain some Gazelle insights to help you during the event	Nicole Veggiotti
11:40 – 11:45	Organizational aspects - Registration	Nicole Veggiotti
11:45 – 12:00	Q&A	

Xt-EHR Projectathon test cases

Jürgen Brandstätter

- **Single profile testing**

  - **Register for at least 1 content test** out of the data priority categories

    - Discharge Summary

    - Laboratory Report

    - Imaging Report

    - Patient Summary

    - ePrescription/eDispense

  - Tested with Gazelle and EHDS Digital Testing Environment (DTE)

When should you come?
- If you plan to implement
- If you have a prototype
- If you have a product

o **HL7 FHIR IGs for …**

- o [EU Base](#) (R4/R5)

- o [ePrescriptions/eDispensations](#) (R4/R5)

- o [European Patient Summary](#)

- o [Discharge Summary](#)
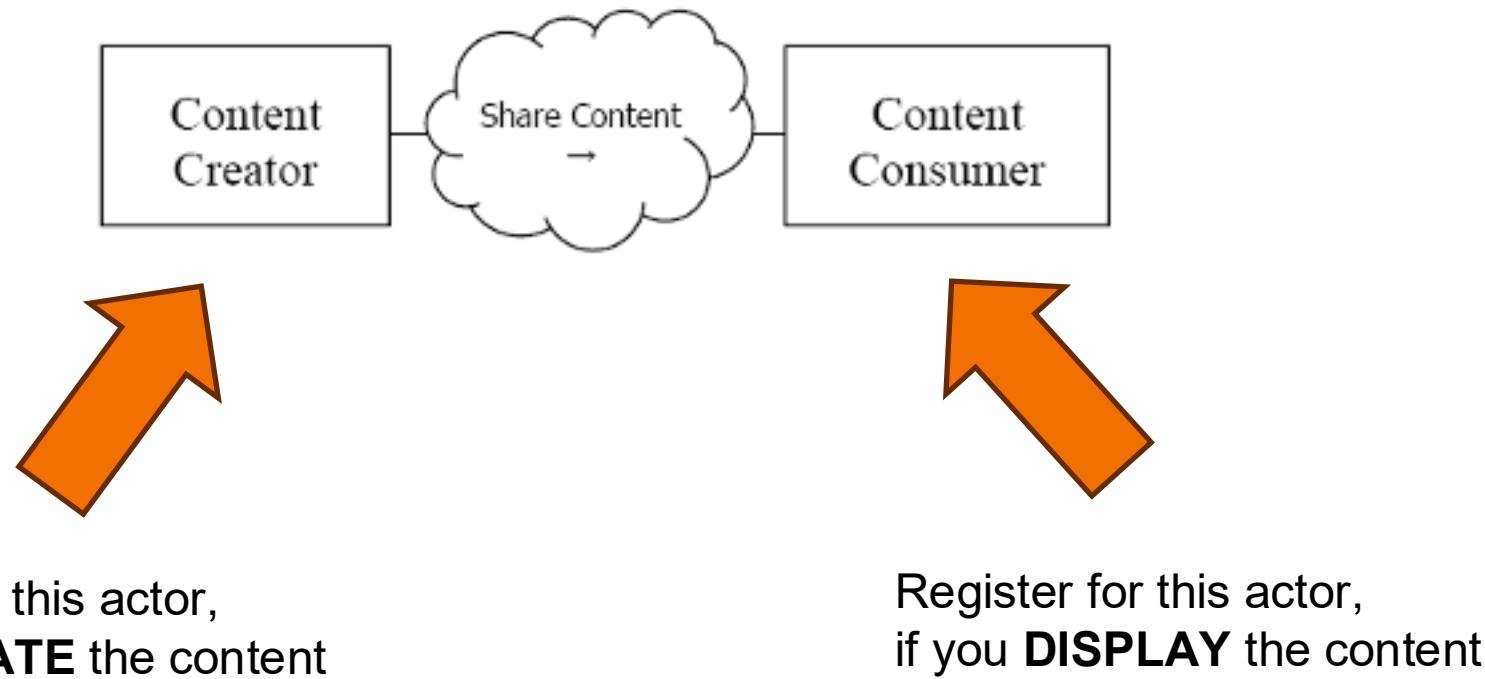
- o [Laboratory Report](#)

- o [Imaging Report](#) (R4/R5)

European Interoperability Specifications
for Digital Solutions in Healthcare

Testing of content

Base and Core	✅	• https://hl7.eu/fhir/base/ • https://hl7.eu/fhir/base-r5	Begin January	95%
Laboratory Results	✅	• https://hl7.eu/fhir/laboratory	March	90%
Medical Imaging and reports	🤝	• https://build.fhir.org/ig/hl7-eu/imaging-r4 • https://hl7.eu/fhir/imaging-r5/	January	90%
Hospital Discharge Report	🤝	• https://hl7.eu/fhir/hdr	March	65%
ePrescription eDispensation	🤝	• https://hl7.eu/fhir/mpd • https://hl7.eu/fhir/mpd-r5	February	85%
Patient Summary	WORK IN PROGRESS / IPS ✅	• https://build.fhir.org/ig/hl7-eu/eps/	February	70%

o **Content – Testing (no-peer)**

Content Creator	Share Content →	Content Consumer

Register for this actor,
if you **CREATE** the content

Register for this actor,
if you **DISPLAY** the content

o **Single profile testing**

- o **Register for an actor of a transactional profile** out of the following IHE profiles:

  - o CT

  - o ATNA / RESTful ATNA

  - o PDQm

  - o QEDm

  - o MHD

- o Testing like at the Connectathon (Gazelle)

Come with your prototype!
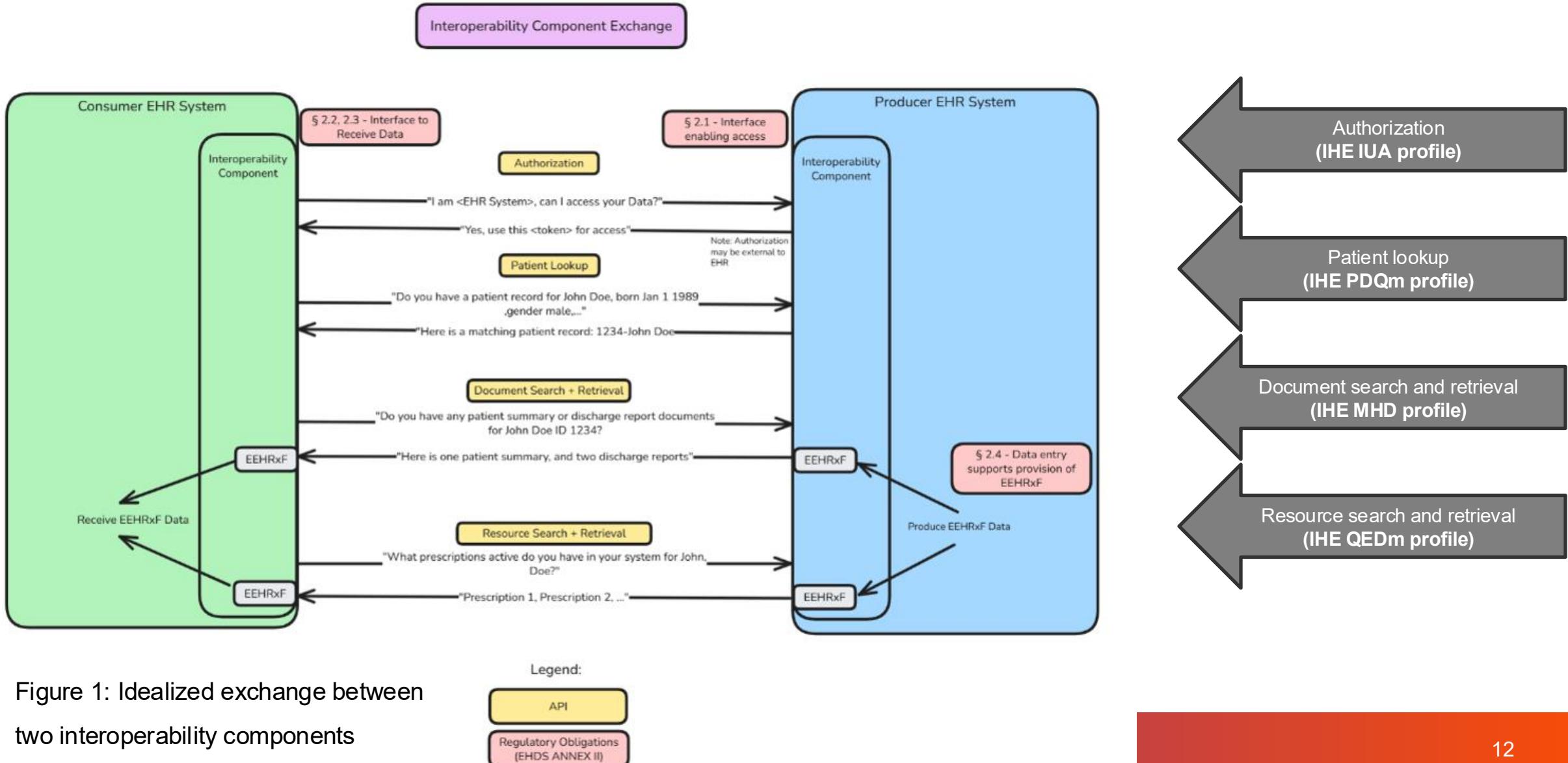(or if you plan to implement)

One step further …

Workflow testing

Workflows in Xt-EHR D5.1

Figure 1: Idealized exchange between two interoperability components

Consumer

Receive EEHR

Disclaimer

<u>Not</u> the final specifications and standards used in EHDS!

(but the closest we have up to now)

Figure 1: Idealiz

two interoperability components

Regulatory Obligations
(EHDS ANNEX II)

o **Testing of workflows**

   o Discharge documentation workflow(s)

   o Laboratory documentation workflow(s)

   o Patient Summary workflow(s)

   o Imaging documentation workflow(s)

   o Image access workflow(s)

> Participants qualify for workflows depending on their selection of profile actors at system registration
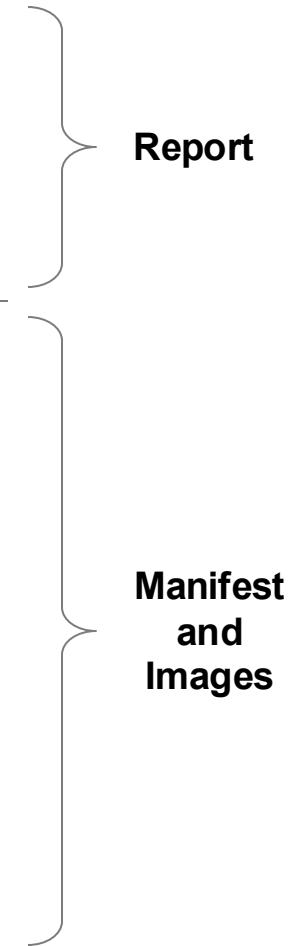
o **Workflows can be tested in 2 different grades of maturity**

   o **Basic workflows** ("simplified"): Minimal number of workflow steps to demonstrate the essence of the workflow (= handling the clinical documents)

   o **Enhanced workflows** ("realistic"): Comprehensive workflow including authentication (IUA) and patient id search (PDQm)

Workflows to test

- **Discharge documentation workflow(s)**
  - Workflow DR1: <u>Create and send</u> a **Discharge Summary**
  - Workflow DR2: <u>Query, retrieve and display</u> a **Discharge Summary**
  - Workflow DR3: <u>Create and send</u> a **Discharge Summary** (including IUA and PDQm steps)
  - Workflow DR4: <u>Query, retrieve and display</u> a **Discharge Summary** (including IUA and PDQm steps)

Basic workflows

Enhanced workflows

- **Laboratory documentation workflow(s)**
  - Workflow LR1: <u>Create and send</u> a **Laboratory Report**
  - Workflow LR2: <u>Query, retrieve and display</u> a **Laboratory Report**
  - Workflow LR3: <u>Create and send</u> a **Laboratory Report** (including IUA and PDQm steps)
  - Workflow LR4: <u>Query, retrieve and display</u> a **Laboratory Report** (including IUA and PDQm steps)

- **Patient Summary workflow(s)**
  - Workflow PS1: <u>Create and send</u> a **Patient Summary**
  - Workflow PS2: <u>Query, retrieve and display</u> a **Patient Summary**
  - Workflow PS3: <u>Create and send</u> a **Patient Summary** (including IUA and PDQm steps)
  - Workflow PS4: <u>Query, retrieve and display</u> a **Patient Summary** (including IUA and PDQm steps)

- **Imaging documentation workflow(s)**

  - Workflow IR1: <u>Create and send</u> an **Imaging Report**

  - Workflow IR2: <u>Query, retrieve and display</u> an **Imaging Report**

  - Workflow IR3: <u>Create and send</u> an **Imaging Report** (including IUA and PDQm steps)

  - Workflow IR4: <u>Query, retrieve and display</u> an **Imaging Report** (including IUA and PDQm steps)

  } **Report**

  - Workflow IM1: <u>Send</u> an **Imaging Manifest**

  - Workflow IM2: <u>Query and retrieve</u> an **Imaging Manifest**

  - Workflow IM3: <u>Send</u> an **Imaging Manifest** (including IUA and PDQm steps)

  - Workflow IM4: <u>Query and retrieve</u> an **Imaging Manifest** (including IUA and PDQm steps)

- **Imaging image access workflow(s)**

  - Workflow IA1: <u>Create Imaging Manifest</u> (KOS Object and/or FHIR ImagingStudy resource)

  - Workflow IA2: <u>Process Imaging Manifest</u> and <u>Retrieve DICOM objects</u>

  - Workflow IA3: <u>Process Imaging Manifest</u> and <u>Retrieve DICOM</u> objects
    in a <u>cross-community setting</u>

  } **Manifest and Images**

o **Participant has a client system and registers the following actors:**

- o Laboratory Report (CONTENT CREATOR)

- o CT (TIME CLIENT)

- o MHD (DOCUMENT SOURCE)

o **Qualifies for the following tests:**

- o Single tests for all actors registered

- o + Workflow LR1: <u>Create and send a</u> **Laboratory Report**

Basic workflows

o **Participant has a client system and registers the following actors:**

  o Laboratory Report (CONTENT CREATOR)

  o CT (TIME CLIENT)

  o MHD (DOCUMENT SOURCE)

  o Laboratory Report (CONTENT CONSUMER)

  o MHD (DOCUMENT CONSUMER)

o **Qualifies for the following tests:**

  o Single tests for all actors registered

  o + Workflow LR1: <u>Create and send</u> a **Laboratory Report**

  o + Workflow LR2: <u>Query, retrieve and display</u> a **Laboratory Report**

Basic workflows

- **Participant has a client system and registers the following actors:**

    - Discharge Summary (CONTENT CREATOR)

    - Discharge Summary (CONTENT CONSUMER)

    - CT (TIME CLIENT)

    - MHD (DOCUMENT SOURCE)

    - MHD (DOCUMENT CONSUMER)

    - ATNA (SECURE APPLICATION)

    - IUA (AUTHORIZATION CLIENT)

    - PDQm (PATIENT DEMOGRAPHICS CONSUMER)

- **Qualifies for the following tests:**

    - Single tests for all actors registered
    - + Workflow DR1: <u>Create and send</u> a **Discharge Summary**
    - + Workflow DR2: <u>Query, retrieve and display</u> a **Discharge Summary**
    - + Workflow DR3: <u>Create and send</u> a **Discharge Summary** (including IUA and PDQm steps)
    - + Workflow DR4: <u>Query, retrieve and display</u> a **Discharge Summary** (including IUA and PDQm steps)

Basic workflows

Enhanced workflows

Workflows DR1, LR1, PS1, IR1
Create and send (Simplified)

Step	Description	Profile	Actor	Transaction	Peer actor
1	Synchronize time	CT	TIME CLIENT	ITI-1 (Maintain time)	TIME SERVER
2	Create clinical document (type is defined by the workflow)	DisSum, LabRep, ImgRep, PS	CONTENT CREATOR	Scrutize document with validator	n/a
3	Send document with either Provide Document Bundle or Simplified Push	MHD	DOCUMENT SOURCE	ITI-65 (Provide doc bundle) -- or -- ITI-105 (Simplified push)	DOCUMENT RECIPIENT

Step	Description	Profile	Actor	Transaction	Peer actor
1	Synchronize time	CT	TIME CLIENT	ITI-1 (Maintain time)	TIME SERVER
2	Query for document lists AND document references (profile requires both!)	MHD	DOCUMENT CONSUMER	ITI-66 (Find Document Lists) -- and -- ITI-67 (Find Document References)	DOCUMENT RESPONDER
3	Retrieve document		DOCUMENT CONSUMER	ITI-68 (Retrieve Document)	DOCUMENT RESPONDER
4	Display clinical document (type is defined by the workflow)	DisSum, LabRep, ImgRep, PS	CONTENT CONSUMER	n/a	n/a

Some Gazelle insights to help you during the event

Nicole Veggiotti

Organizational aspects - Registration

Nicole Veggiotti

The IHE-Europe Connectathon Week 2026 will take place from Monday, 23 March to Friday, 27 March 2026, in Brussels, Belgium.

The Xt-EHR Projectathon 2026 will take place in the IHE-Europe Connectathon Week on the Connectathon Floor from Tuesday, 24 March to Thursday, 26 March 2026, with a very dynamic schedule that alternates educational and testing sessions

Monday afternoon will be dedicated to connectivity/preparatory tests in Gazelle

Where? The EGG, Rue Bara 175, 1070 Brussels.

About a 15-minute walk from Brussels-South Station (Gare du Midi)

Xt-EHR Projectathon Draft agenda

The Xt-EHR Projectathon 2026 will take place in the IHE-Europe Connectathon Week
on the IHE-Europe Connectathon Floor

Mon	Tue		Wed		Thu	
pm	**am**	**pm**	**am**	**pm**	**am**	**pm**
Connectivity/preparatory tests in Gazelle on the testing floor 14:00 - 18:00	**Testing** 9:00 - 13:00	**Testing** 14:00 - 18:00	**Testing** 9:00 - 13:00	**Testing** 14:00 - 18:00	**Testing** 9:00 - 13:00	**Closing Ceremony** Starts at 14:00
	Opening Ceremony and Educational Sessions Starts at 10:30	**Educational Sessions**		**Educational Sessions**		

- System Fee €790. For systems that are **already registered to the IHE-Europe Connectathon 2026**, the system registration fee is discounted to 0€

- Each participant €450. For the Companies/Organizations participants that are already registered for the IHE-Europe Connectathon 2026, the registration fee is discounted to 0€. However, for any additional participant of Companies/Organizations already registered to the IHE-Europe Connectathon 2026, the registration fee is €450

Link for registration:

https://forms.clickup.com/4728722/f/4g9wj-10432/YD4C8GXVHDIN9JCZJE

If you have any question/doubt, you can refer to: xt-ehrprojectathon@ihe-catalyst.net

If your company is already registered in the form, you will receive your contract soon and a mail for registering in Gazelle

We will close the registration at the end of February

Next webinars:

13th February: Xt-EHR Projectathon agenda and tools, DTE integration

Stay tuned!!

Register here

Questions?