

THANK YOU FOR JOINING!
The webinar will begin shortly.



XpanDH Webinar

'Unlocking the Potential: The European Health Data Space and the Digital Future of European Healthcare'

16 November 2023 | 14:00 CET

HOUSEKEEPING

To support the discussion, please only unmute your microphone when speaking or asking questions.

Our speakers bring a range of expertise and insight. Please post your question in the Q&A box.

This webinar will be recorded.



Unlocking the Potential: The European Health Data Space and the Digital Future of European Healthcare | 16 November 2023



Moderator: Mr Henrique Martins

XpanDH Project Coordinator,
Associate Professor in Health Management and
Leadership at FCS-UBI and ISCTE-IUL



Unlocking the Potential: The European Health Data Space and the Digital Future of European Healthcare | 16 November 2023



MEP Tomislav Sokol

Member of the European Parliament, Group of the European People's Party (Christian Democrats)



Unlocking the Potential: The European Health Data Space and the Digital Future of European Healthcare | 16 November 2023



Dr Konstantin Hyppönen

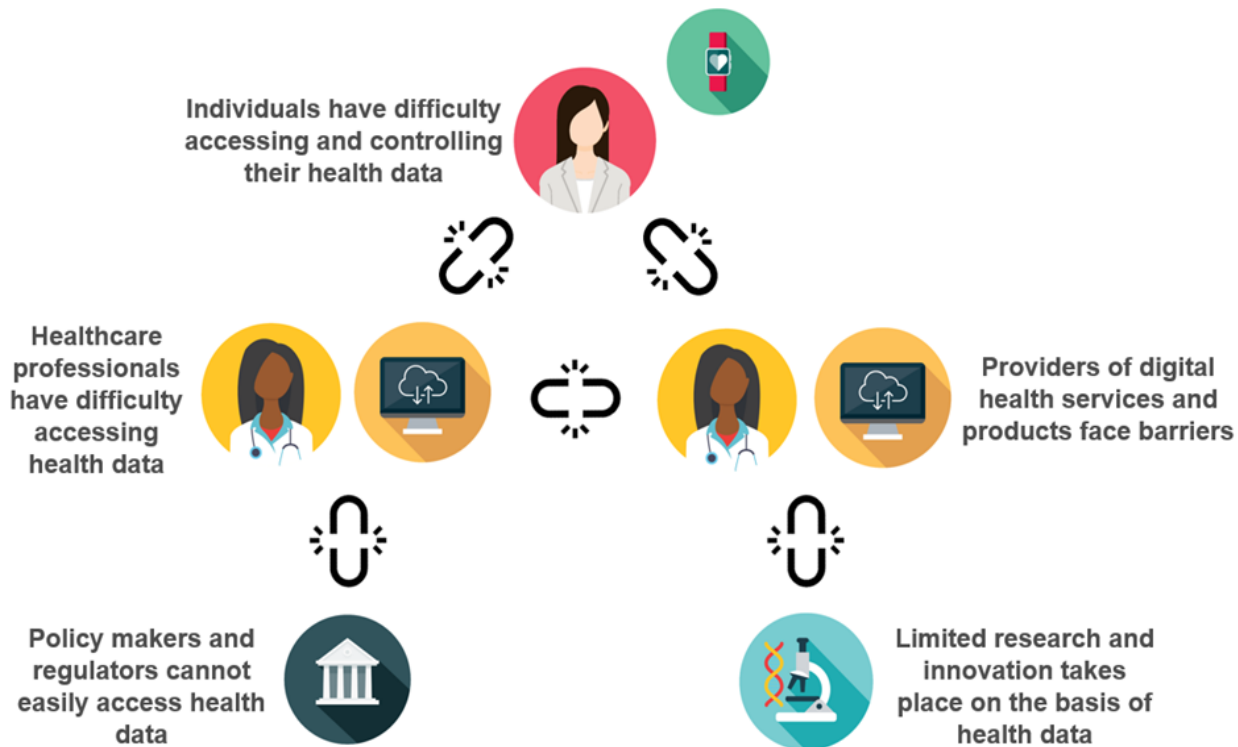
Policy Officer on digital health at DG SANTE,
European Commission

The European Health Data Space (EHDS) and the role of the European Health Record Exchange Format (EEHRxF) in the EHDS!



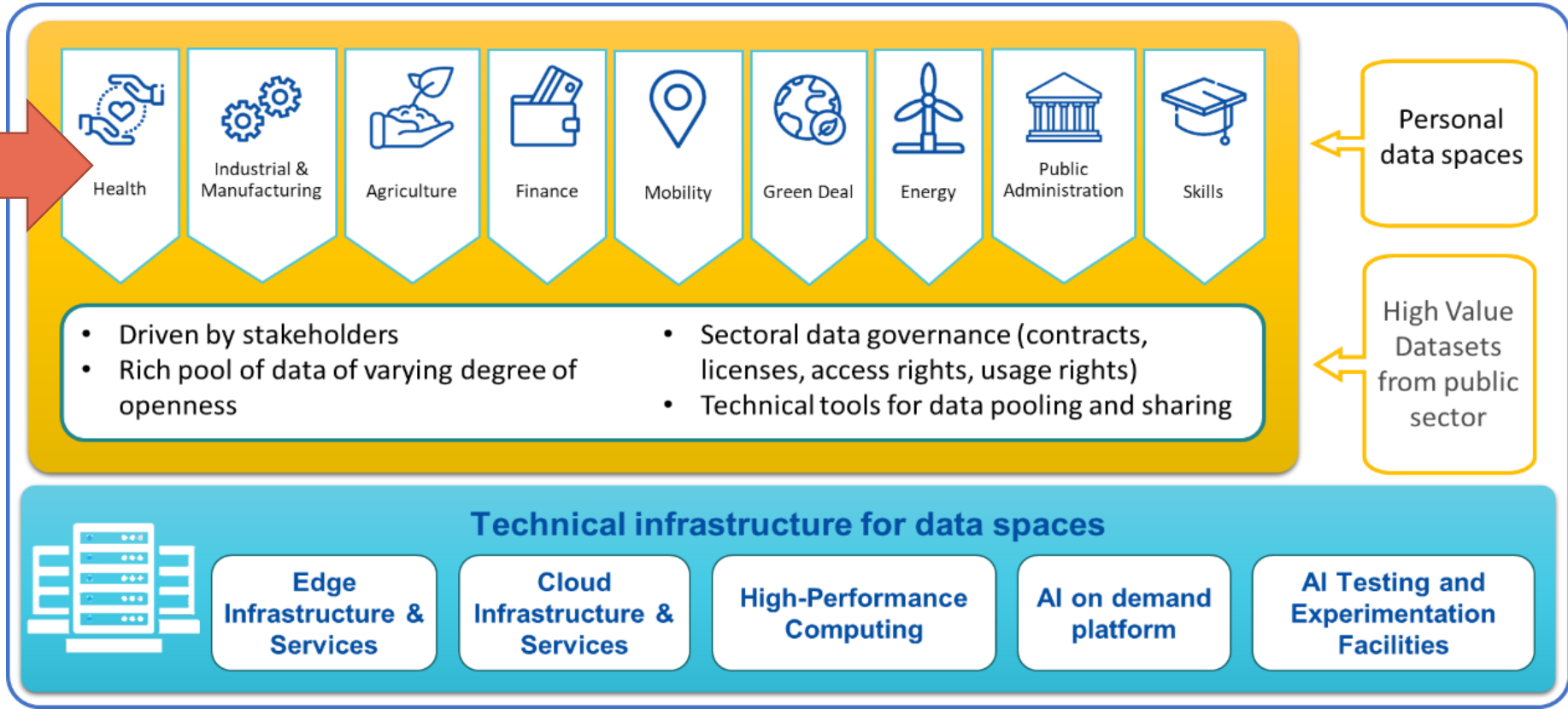


Main challenges in harnessing the power of health data





EHDS – *the first sector-specific European Data Space*

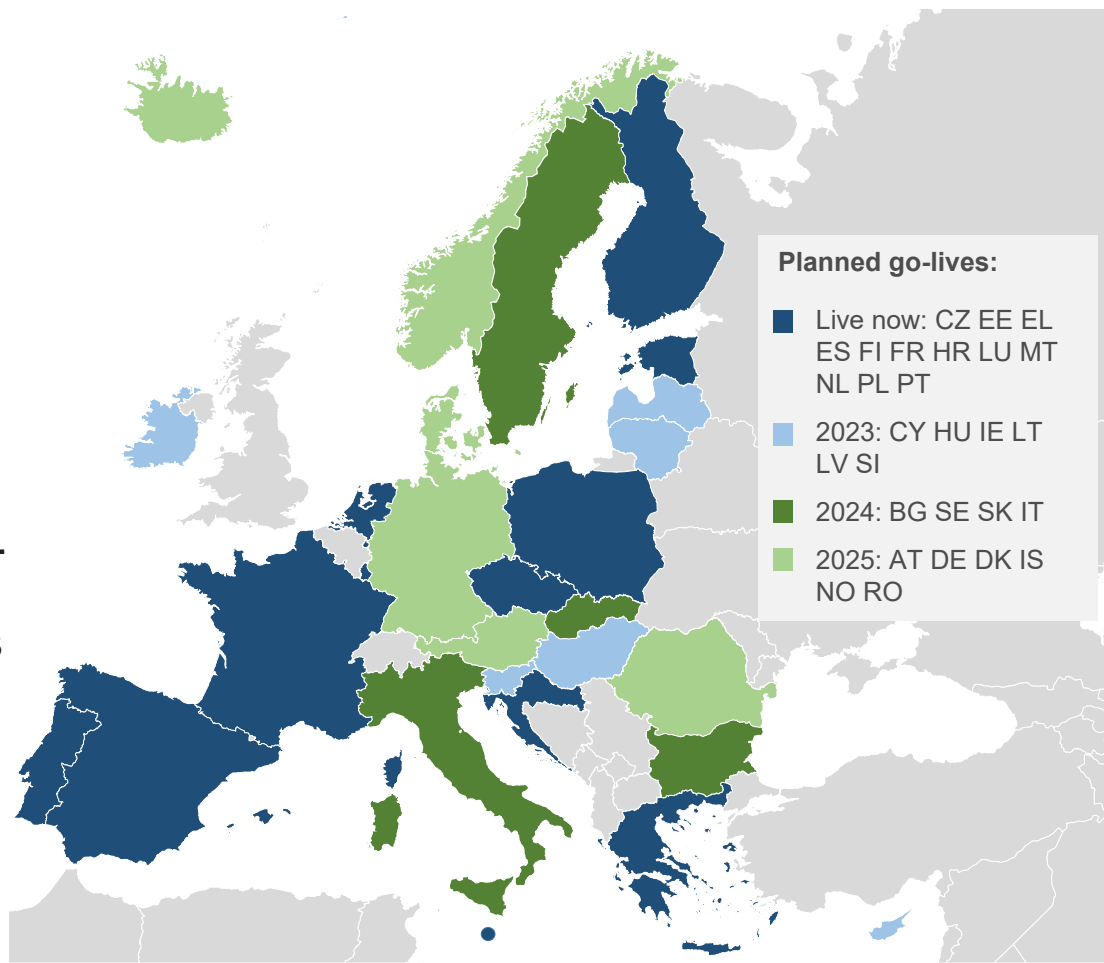




MyHealth@EU

MyHealth@EU is the existing infrastructure that connects healthcare providers in 12 Member States.

It allows them to exchange health data such as Patient Summaries and ePrescriptions. These services will be expanded to include lab results and other types of health data.





Cross-border electronic prescription in action



MyHealth@EU roadmap

EHDS regulation

Mandatory participation in MyHealth@EU for all Member States with transitional periods for different services (pending decision by co-legislators)

Pilot on Patient Access

PATHeD: enable citizens to access health data in MyHealth@EU (Jan 2023-Jun 2024).



New services

Lab results (2025), Medical imaging (2026), Hospital discharge reports (2026), etc.

Enhancement of available services using EU Digital Identity Wallet technology

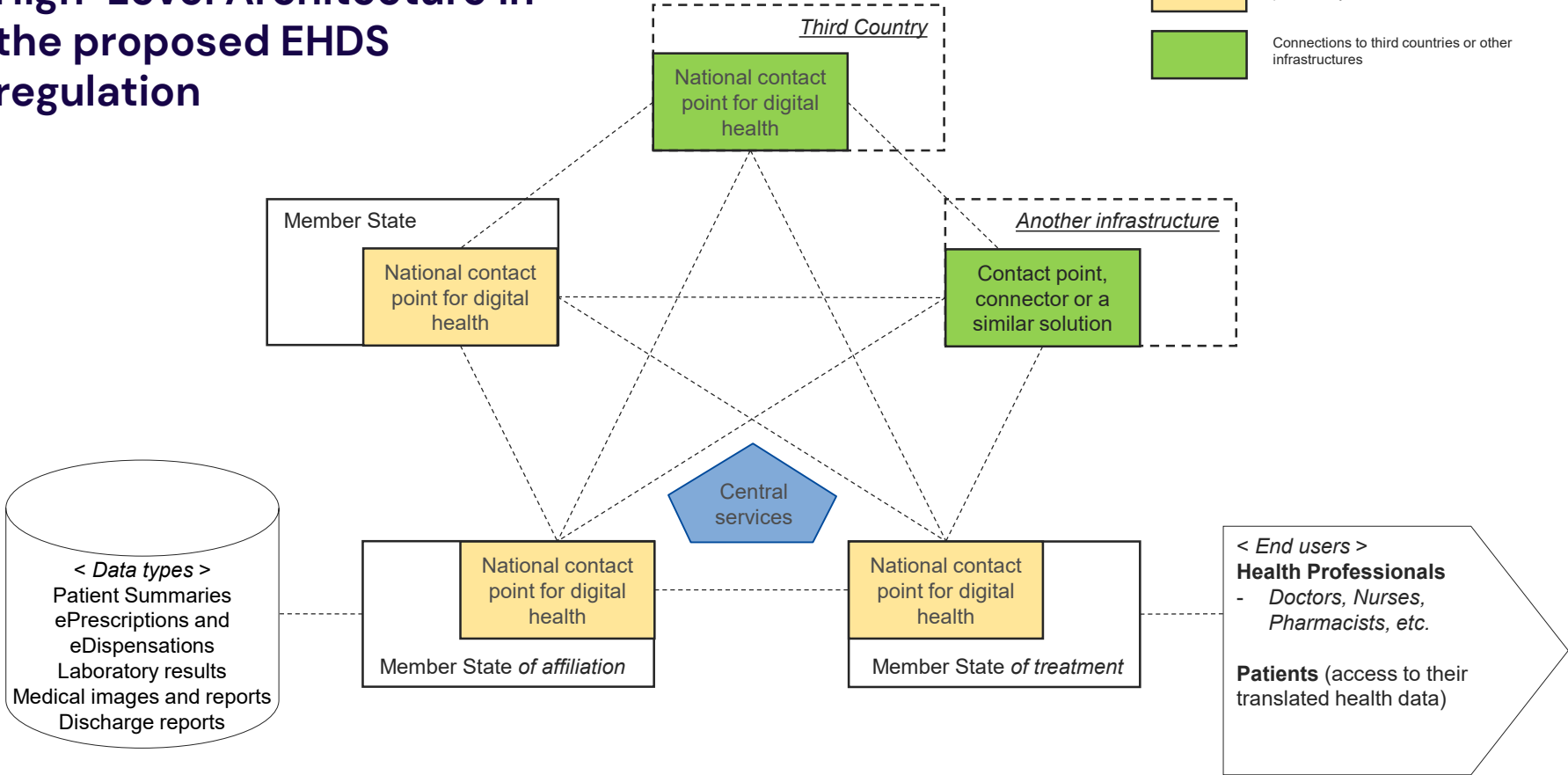
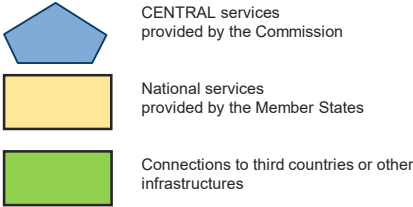
POTENTIAL Large-Scale Pilot (includes the ePrescription use case)

New Member States joining MyHealth@EU

More Points of Care to be connected (2023 and beyond)

MyHealth@EU

High-Level Architecture in the proposed EHDS regulation





EHDS proposal *Article 6*

European electronic health record exchange format

1. The Commission shall, by means of **implementing acts**, lay down the **technical specifications** for the **priority categories** of personal electronic health data referred to in Article 5, setting out the European electronic health record exchange format. The format shall include the following elements:

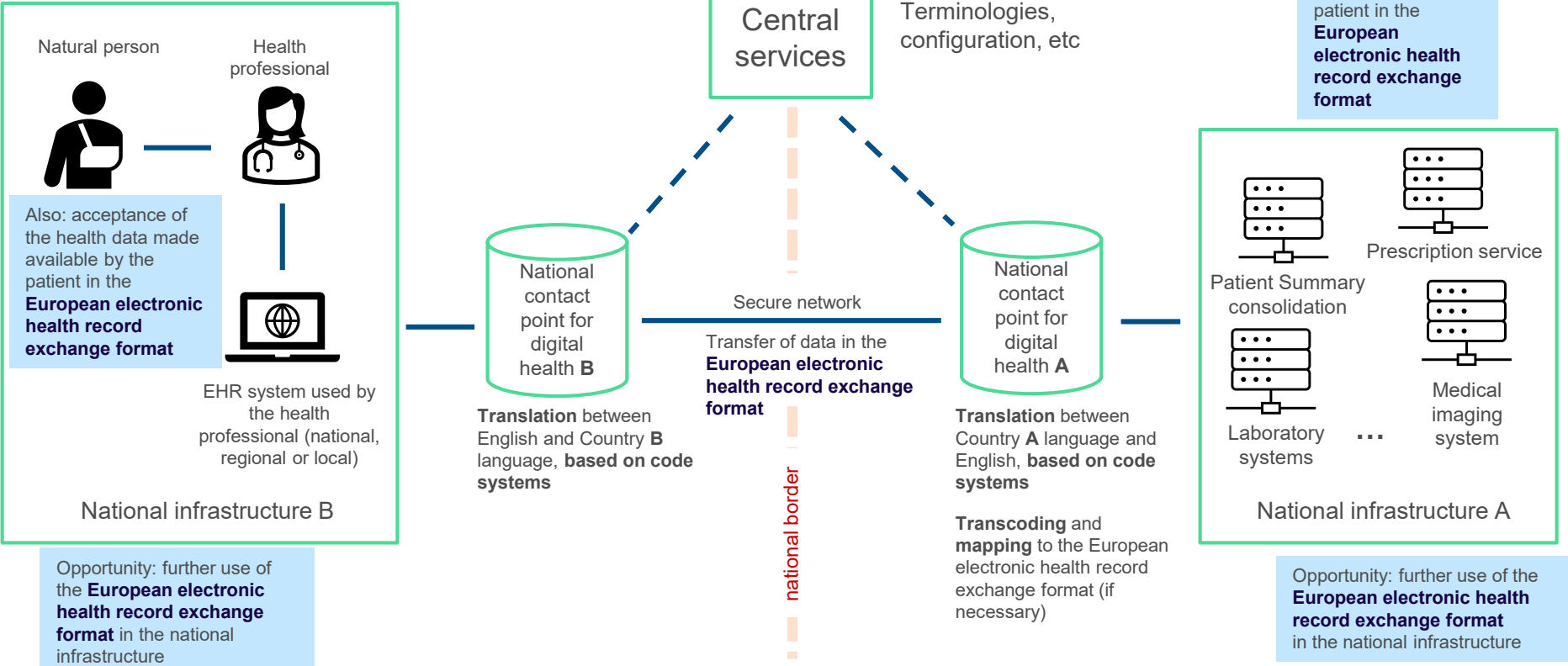
- (a) **datasets** containing electronic health data and defining structures, such as data fields and data groups for the content representation of clinical content and other parts of the electronic health data;
- (b) **coding systems** and **values** to be used in datasets containing electronic health data;
- (c) **technical specifications** for the **exchange** of electronic health data, including its **content representation, standards and profiles**.

2. Those implementing acts shall be adopted in accordance with the advisory procedure referred to in Article 68(2). Member States shall ensure that where the priority categories of personal electronic health data referred to in Article 5 are **provided by a natural person directly** or **transmitted to a healthcare provider** by automatic means in the format referred to in paragraph 1, such data shall be **read** and **accepted** by the data recipient.

3. Member States shall ensure that the priority categories of personal electronic health data referred to in Article 5 are **issued** in the format referred to in paragraph 1 and such data shall be read and accepted by the data recipient.



Cross-border flow of data through MyHealth@EU



Actions related to the European electronic health record exchange format (EEHRxF)

Innovation, experimentation

epSOS, EXPAND, JAsEHN, eHAction

- Development of the MyHealth@EU infrastructure

X-eHealth

- Work on lab results, hospital discharge reports, medical imaging
- Defined use cases, data sets, data models
- Implementation guides for CDA and FHIR

XpanDH

- Further elaboration of the format
- Pilots, verification of implementability
- Set-up of the ecosystem

Project(s) under HORIZON 2023: Expanding the EEHRxF to improve interoperability within EHDS

- Further expansion of the exchange format



Formalisation

Work on the eHealth Network guidelines

- Use cases, data sets, principles
- Adopted by Member States in the eHN

Work by MyHealth@EU Solution Provider

- Implementable specifications, other artefacts
- Implementation in OpenNCP for MyHealth@EU
- Adopted by Member States in the eHMSEG

Xt-EHR (Joint Action 09 under EU4Health WP2022)

- Work on the formalisation of the format
- Requirements for the certification of EHR systems (recommendations for possible future implementing acts under EHDS)

Implementing Decisions under the upcoming EHDS

- Legally binding requirements and specifications for the European health record exchange format
- Legally binding requirements for the certification of EHR systems



Infrastructure, deployment

MyHealth@EU current and future services

- #### Patient Summary and ePrescription
- HL7 CDA for structured content
 - PDF available (except eDispensation)
 - IHE XDS profiles for content transmission

- #### Original Clinical Documents
- HL7 CDA header, no further structured content
 - PDF for content representation
 - IHE XDS profiles for content transmission

- #### Lab results, hospital discharge reports, medical imaging
- To be based mostly on HL7 FHIR
 - DICOM for medical imaging studies

- #### Further data categories
- Not defined yet



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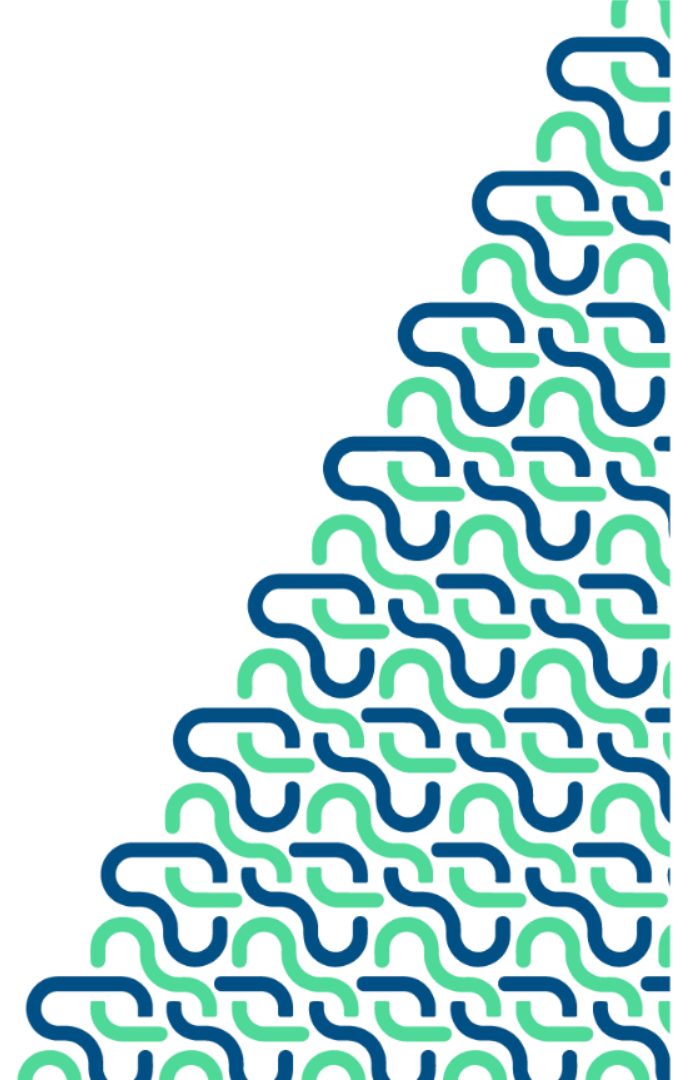


Isabelle Zablitz-Schmitz

Europe & International Director, French Ministry of Health & Prevention, Digital Health Delegation

European Health Data Space (EHDS)

What it means for Member States





The risks for Europe without a European Health Data Space approved sooner rather than later?

The draft EHDS regulation aims to create the **FIRST** sectoral data space to meet business challenges and sovereignty objectives

In a nutshell,

Regulating data sharing for healthcare in EU and extending to third countries

- Individual rights to access their data and better quality of care
- Cross-border exchange infrastructure MyHealth@UE, 30+ countries including third countries
- Prioritized health data

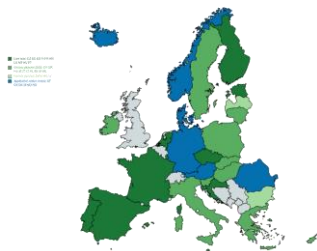
Single market for digital health data

- All digital software, applications and MDs in scope
- Common interoperability/security criteria at European level
- Road to convergence of market access harmonization

Regulating data sharing for re-use of data for public policy, research and innovation

- Anonymised, pseudonymised and genetic/genomic data
- Authorised/prohibited purposes
- Secure processing environment
- Unique request for European reach

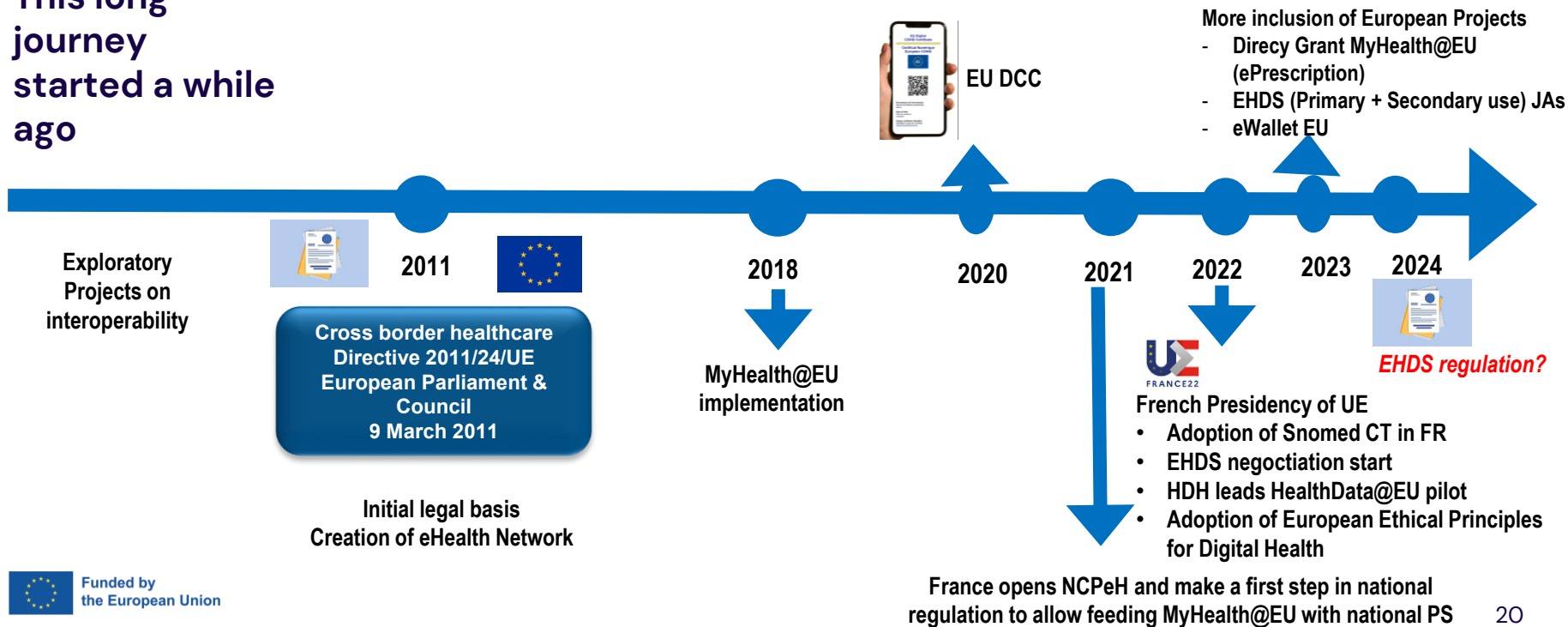
Strengthened governance for digital health within the EU





The risks for Europe without a European Health Data Space approved sooner rather than later?

This long journey started a while ago





The risks for Europe without a European Health Data Space approved sooner rather than later?

SUB GROUP Semantics
Co-chair Stephanie Weber,
Bfarm Germany



SUB GROUP Technical IOP
Co-chair Panayotis Savva,
National eHealth Authority
Cyprus



**Proposed
guidelines for use
cases and
standards**

eHealth network



+ *other initiatives as Joint Actions*

**2 standards for
MyHealth@EU**



HL7[®] FHIR[®]

SNOMED CT

The global
language of
healthcare

Guidelines by use case

- Patient Summary (to IPS)
- ePrescription
- Lab Results

In process

- Imaging report & images
- Hospital discharge letter

More to come

- Original Clinical Documents
- Rare diseases part of IPS
- Vaccination card



The risks for Europe without a European Health Data Space approved sooner rather than later?

Current Member States planning of implementation



Patient Summary

Wave 1 2018-2019	Wave 2 2019-2020	Wave 3 2020-2021	Wave 4 2021-2022	Wave 5 2022-2023	Wave 6 2023-2024	Wave 7 2024-2025	Wave 8 2025-2026
C Z H R L U M T P T			N L E S	C Y E E EL F I	H U IE IT SI	DE DK IS NO SK	
E E FI H R P T			E S P L	C Y C Z H U E L	IE IT LT SE	B G LU LV SI	A T DK NO RO



ePrescription et eDispensation



The risks for Europe without a European Health Data Space approved sooner rather than later?

Transition efforts will be huge for all, and worth the journey



Citizens



Health professionals

New rights and New Services have no value if not driven by USAGE – this is our key challenge

- Communication
- Training
- Acculturation
- Changes in ways of working



The risks for Europe without a European Health Data Space approved sooner rather than later?

Transition efforts will be huge for all, and worth the journey

European requirements



National requirements

Software providers

New roles and responsibilities split and coordination between European and National levels, requiring ANTICIPATION and foreseen synchronization – this is our key challenge

- Communication
- Training
- Changes in ways of working for standard adoption
- Collaborative processes and transparency



The risks for Europe without a European Health Data Space approved sooner rather than later?

How does it work in France ?

National requirements

Software providers



Health information systems interoperability framework (CI-SIS)

The Health Information Systems Interoperability Framework (CI-SIS) sets out

- rules for communicating health information systems in the health, medico-social and social sectors. T

The development of a transparent and secure digital health system requires compliance with reference frameworks in order to :

- Create the conditions for the development and regulation of digital healthcare
- Enable professionals and users to benefit from digital innovation and change
- Assist public authorities in managing digital projects of national interest



The risks for Europe without a European Health Data Space approved sooner rather than later?

How does it work in France ?

The health information systems interoperability framework (CI-SIS) for exchanging and sharing health data

Avoid developing a specific interface for each IS with which it communicates, thereby reducing the cost of integrating new interfaces and the technical issues of interoperability when choosing products, so that the focus can be on business functionality, facilitating the use of products from international publishers in the French context, and enabling value-added uses of the data processed without the need for human reprocessing.

The CI-SIS is based on mature and stable international norms and standards, and **is being developed in consultation with representatives of healthcare and medico-social professionals and health information system publishers.** –

The CI-SIS consists of syntactic (data structuring and format) and semantic (value sets and reference terminologies) specification components.

These components are organised into three layers:

- Business Layer, whose components specify exchangeable business content;
- Service Layer, whose components specify the functionalities implemented and the data exchanges enabling them to be activated;
- Transport Layer, whose components specify the transport of information.





The risks for Europe without a European Health Data Space approved sooner rather than later?

Transition efforts will be huge for all, and worth the journey

EHDS regulation



Adaptation of national authorities

National requirements

New roles and responsibilities create new environment for authorities

- New roles, and sometimes bodies
- Changes in ways of working with new processes



The risks for Europe without a European Health Data Space approved sooner rather than later?

What if everything goes well ?

If not, how to mitigate ?



Citizens



Software providers



Health professionals

They all should have incentives to push for **further harmonization and convergence**

Experience and reality demonstrate **it is about vision, time and money**

Therefore progress with actionable concrete steps and successes will be a must

Questions & Answers

Thank you for joining!

@xpandh_project