



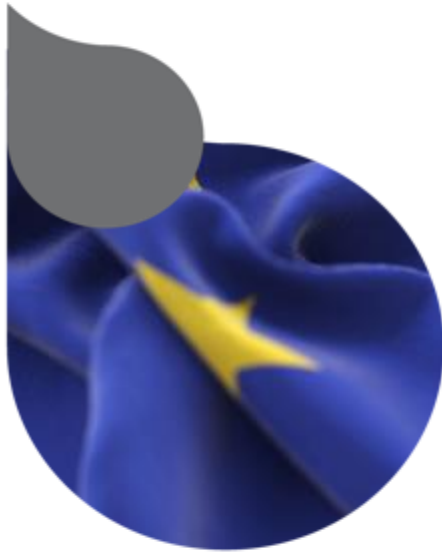
Eamon COYNE

Chair
eHMSEG


Klára JIRÁKOVÁ

Chair
eHMSEG


MyHealth@EU Governance needs



There is a need for robust governance of the eHealth Digital Services Infrastructure which underpins and enables MyHealth@EU.

The governance needs to assure an overall coherence of the MyHealth@EU ecosystem.

The current governance model was adopted back in late 2016.

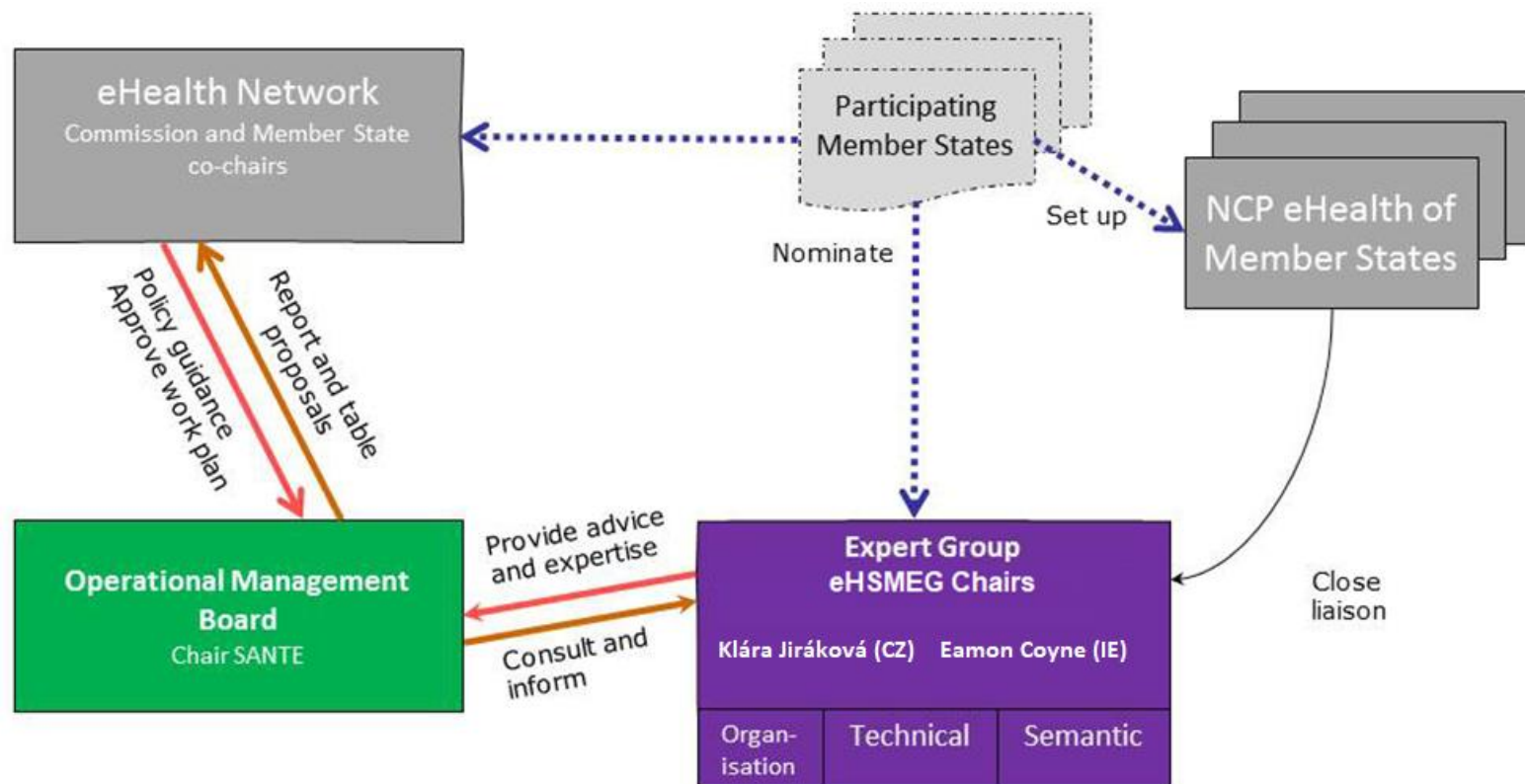
MyHealth@EU Key Stakeholders

- **eHN** eHealth Network
- **eHMSEG** eHealth Member State Expert Group
- **eHOMB** eHealth Operational Management Board
- **eHDSI Solution Prover** DG Sante Solution Provider



Ask your questions on the chat !

The eHDSI / MyHealth@EU Governance Model



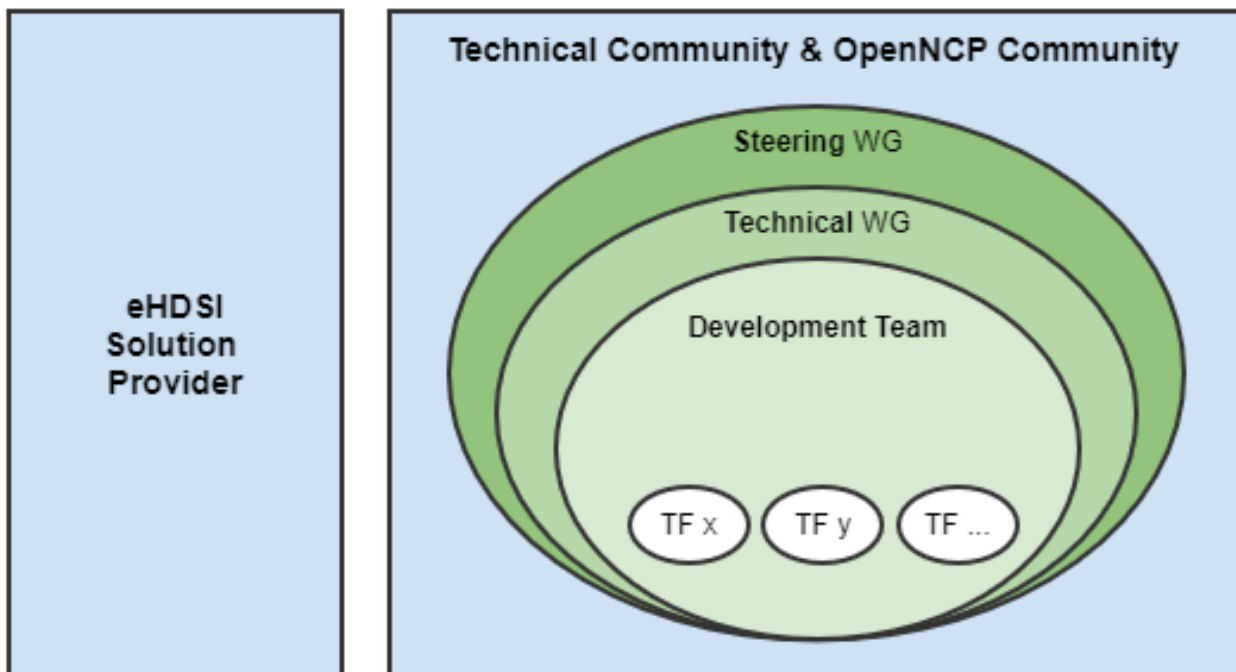
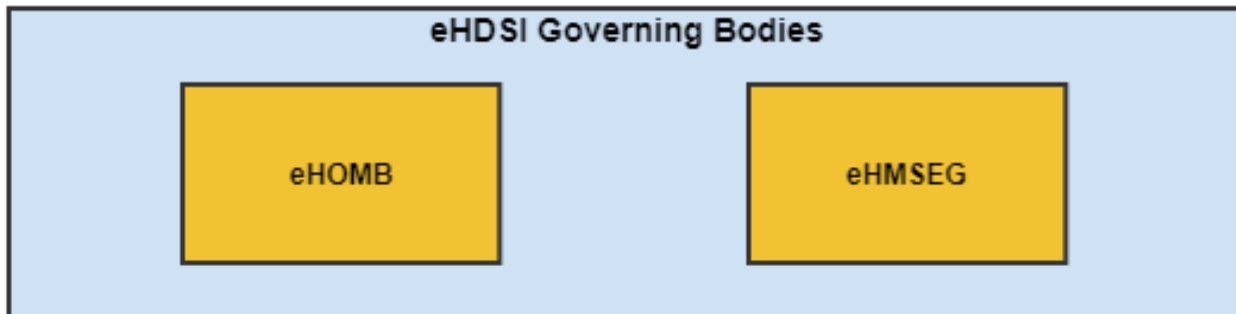
eHDSI Member States Expert Group (eHMSEG)

- ✓ **eHMSEG** is a group **representing** the participating **Member States**.
- ✓ eHMSEG **coordinates** the **implementation** of the NCPeH to ensure that they are **fully interoperable**.
- ✓ It gives **expert advice** to the eHealth Network and eHOMB on core elements and provides a link to building of the national elements.
- ✓ It can set up **working groups** composed of its members and (external) experts on specific topics.
- ✓ The eHDSI **Solution Provider** will **support** the **working groups**.
- ✓ **Working groups report to the eHMSEG** and interact with the Solution Provider

Meetings:

- ✓ eHMSEG Representatives Face to Face 3 times per year.
- ✓ With eHOMB once a month
- ✓ Bi-weekly tcon to discuss implementation

Structure of the Technical/Open Community



Steering WG Duties

- ✓ Community Orchestration
- ✓ Strategic Alignment
- ✓ Priorities Definition

Members:

- Eamon Coyne IE
- Antoine Chaudières FR
- Lotta Fordel FI
- Marjo Vesala FI
- Philipp Schardax AT
- Antoine De Marasse FR
- Maid Erovic DE
- Jerome Subiger (DG SANTE)
- Iulian (DG SANTE)

Technical WG Duties

- ✓ Architecture
- ✓ Design
- ✓ Quality Assurance
- ✓ Roadmap Definition
- ✓ Release Management

Members:

- Joao Cunha PT
- Kostas Karkaletsis (Gnomon)
- Ales Micovic SI
- Baumann Christian AT

Development team duties

- ✓ Development
- ✓ Documentation
- ✓ Support

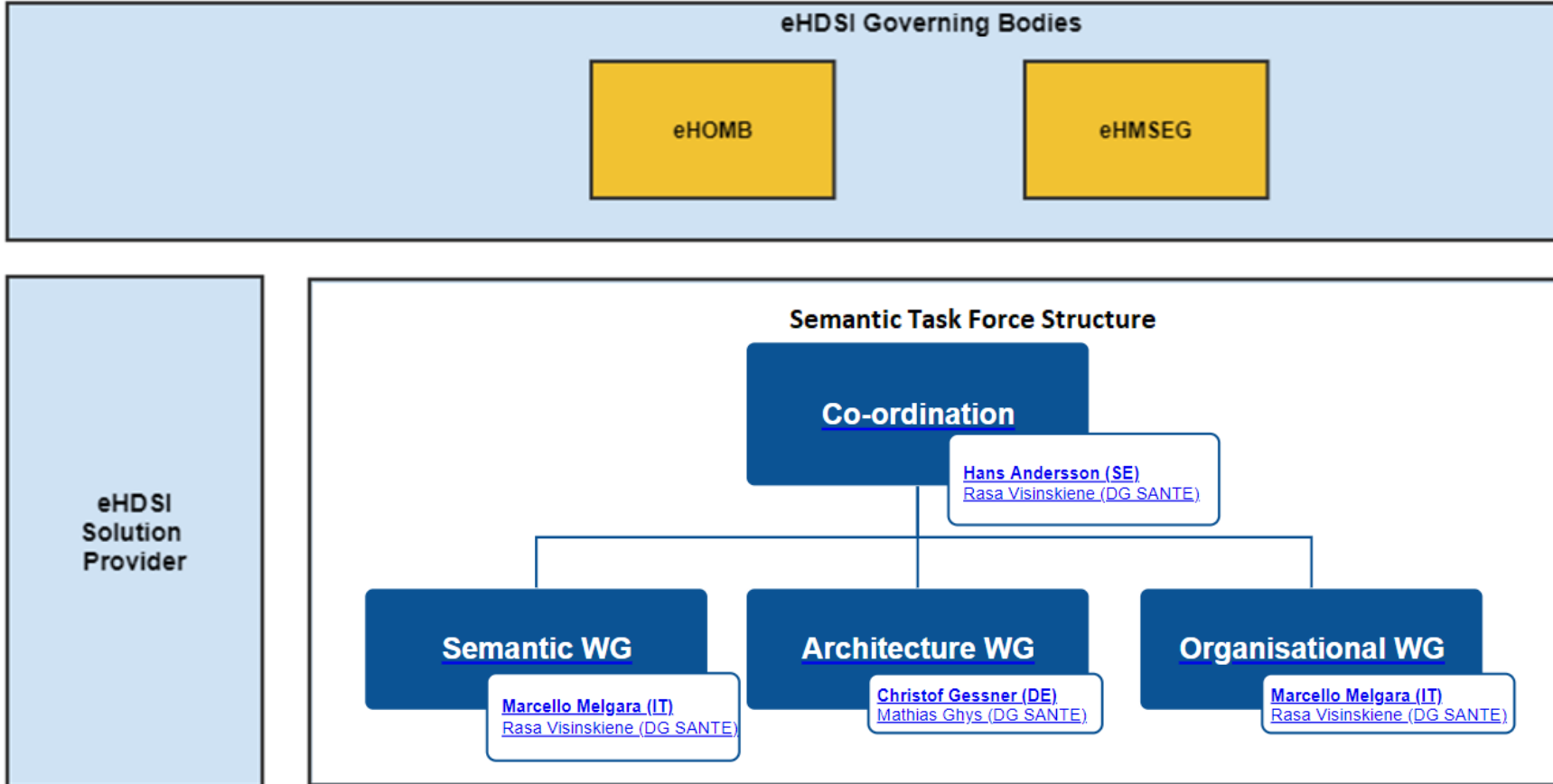
Members from Solution Provider:

- Jonathan Dethise (Senior DEV)
- Mathias Ghys (Senior DEV/CDA)
- Alberto Miori (Senior DEV)
- Jerome (Tech lead/architect)

Meetings:

- ✓ Steering WG meets monthly
- ✓ Technical WG and development meet more frequently and ad-hoc to deal with work plan

The Structure of the eHMSEG Semantic Task Force



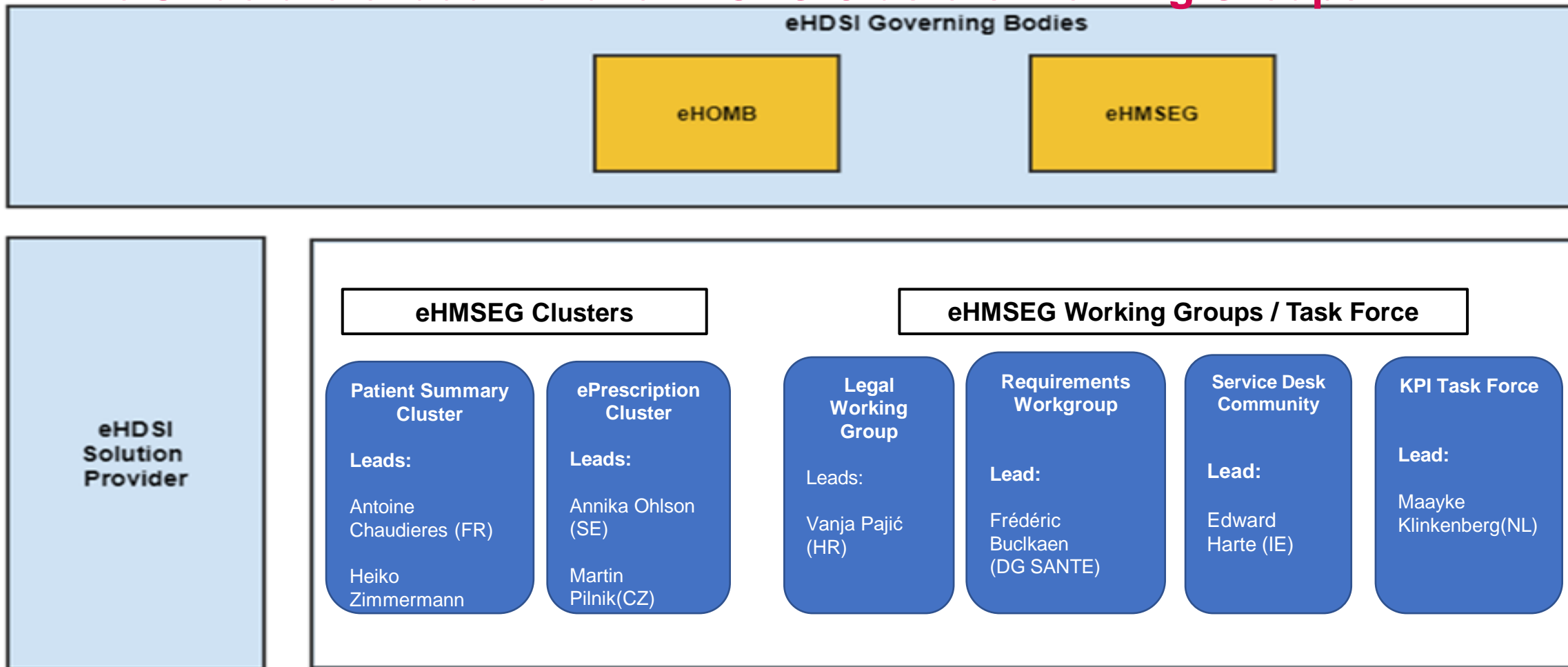
Duties:

- ✓ Support the Solution Provider in the **evolution and maintenance of the Semantic assets**
- ✓ Work on the **deliverables needed** for next Waves
- ✓ Provide **recommendations to eHMSEG** regarding **findings** from deploying countries and **future alignment with international initiatives**
- ✓ **Support the Member States** in the adoption and use of the Semantic assets:
- ✓ Provide support to the eP and PS Clusters, and deploying countries' experts.

Meetings:

- ✓ Co ordination group meets weekly and the Work Groups meet bi weekly
- ✓ Regular face to face meetings before/after test events and additional ad hoc online, meetings and webinars.

The Structure of additional eHMSEG Clusters Working Groups



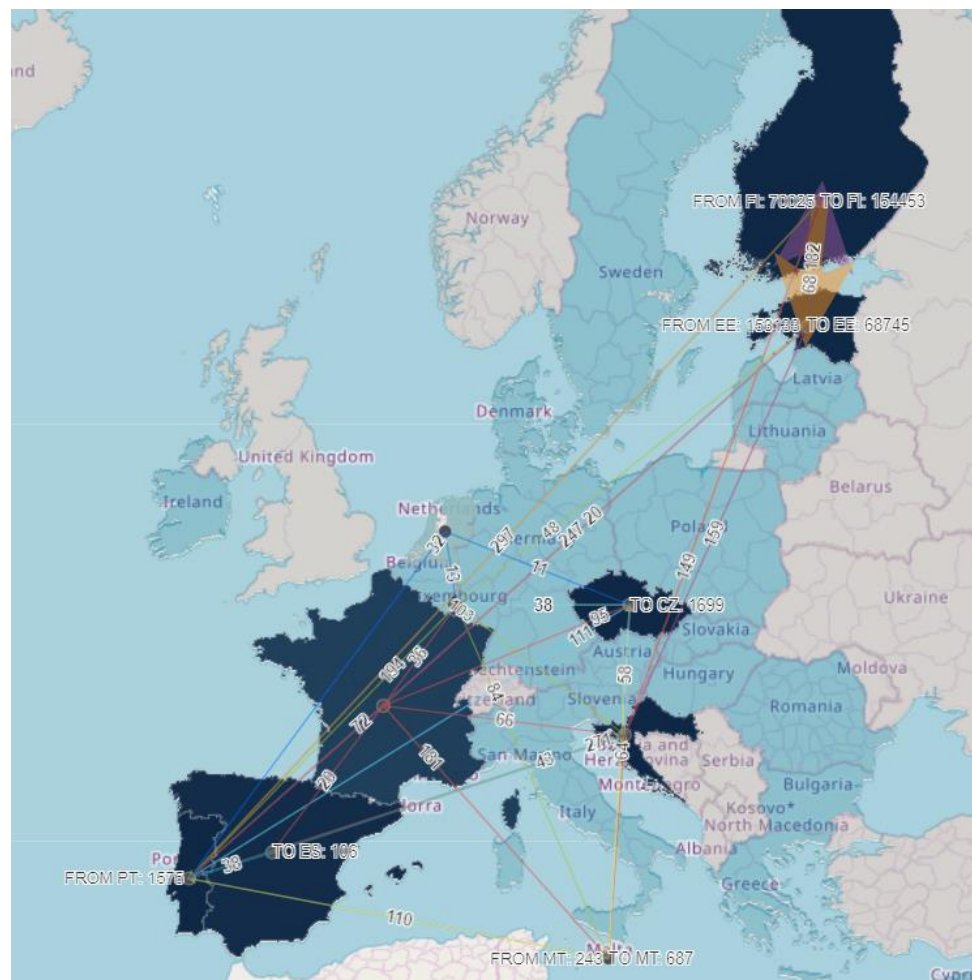
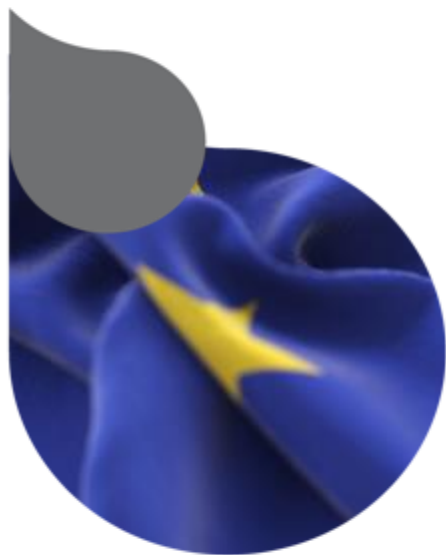
All of these eHSMEG working groups are vital to MyHealth@EU delivery

The future scope of the eHSMEG

- ✓ Integrate the excellent work being produced from X-eHealth / UNICOM / Patient Access to Health Data initiatives in to MyHealth@EU
- ✓ Utilise the existing eHDSI/eHMSEG working groups, processes and governance as a mechanism to achieve this collaboratively with our colleagues in those initiatives
- ✓ A robust, secure and interoperable EU Digital Health Landscape enabling our
 - ✓ European healthcare professionals to give better treatment
 - ✓ European citizens a person centered and participatory healthcare ecosystem



MyHealth@EU - State of Play



eHMSEG – Member States Joining the eHDSI Cross-border Services

What are the purposes and benefits and cross-border eHealth services?

- **Ensuring continuity of healthcare for patients** when receiving treatment in another EU country
- Providing more **reliable information in own language to healthcare professionals** about the treated foreign patient
- Medical data travels **WITH/FOR patients within EU**
- **Security and trust** -> exchange of highly sensitive medical patient information in a reliable, secure and robust infrastructure – not over the internet!
- Learning about **good practice in eHealth from other MS** (standardization, legislation, security, organization....)
- Beneficial co-operation between MS/COM/NCPeH/healthcare providers in EU

eHMSEG – Member States Joining the eHDSI Cross-border Services

Going „live“ in eHDSI is a long and challenging process for a member state.

- The road to entering operation
 - Preparing the legal background – legislation, Agreement signature, contracts, DPIA....
 - Become involved in the eHDSI governing/working groups – “need to know”
 - Implementation of technical assets (OpenNCP, ...)
 - Mapping of source systems, preparation of national infrastructure (semantic, organizational)
 - Setting up information security
 - Testing
 - PreProduction
 - Formal
 - Production Environment
 - Compliance Check
 - Dissemination / education / promoting the new service/s to different target groups.
 - Approval from eHMSEG / eHealth Network

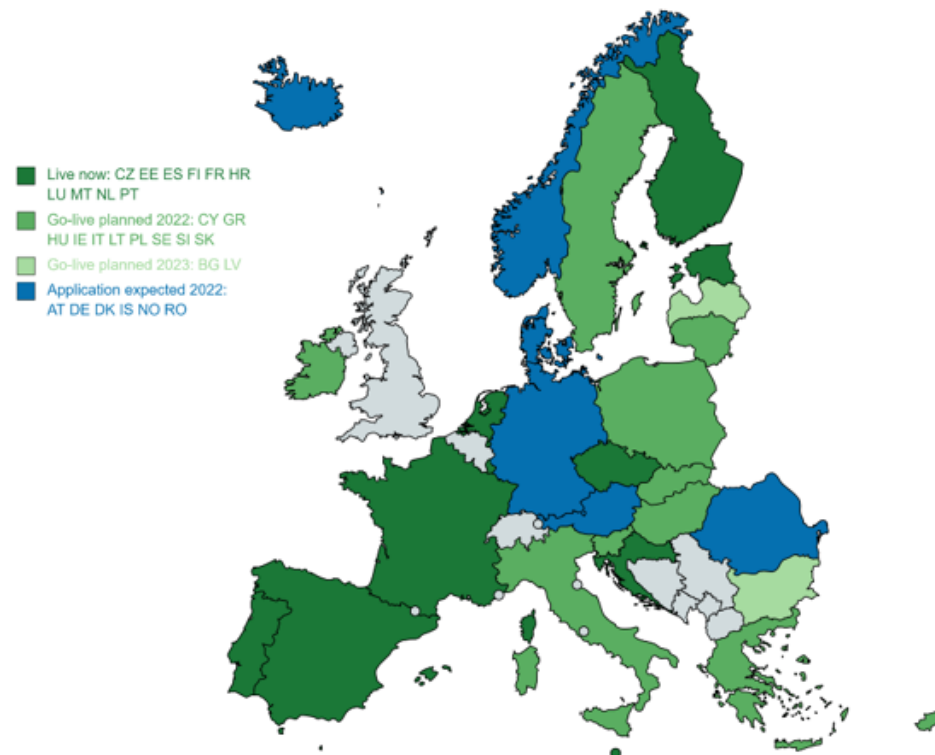
eHMSEG – Member States Joining the eHDSI Cross-border Services

Operation = “STAYIN’ ALIVE.....” 😊

- MS need to fulfill a number of prerequisites to remain in operation:
 - Production testing with MS entering with new services
 - A separate production test needs to be performed for each MS pair/service/role.
 - Provide KPIs for the purpose of eHDSI Monitoring
 - Disseminate / educate end users
 - Prepare NCP for a set of new wave specifications each “wave”/year
 - Testing twice a year
 - Preparatory PPT – exercise for the upcoming new wave upgrade testing
 - Upgrade PPT – has to be passed to upgrade to new wave specifications
 - Upgrade the NCPeH environment to new specifications (September)
 - Involvement in the eHMSEG and its work groups
 - Operational Compliance Check – every 3 years in operation

eHMSEG - Current State of Play

- Member States status
 - FI, EE, HR, PT, CZ, MT, LU, FR, ES, NL are live
 - IE, BE, BG, CY, EL, HU, IT, LT, LV, PL, SE, SI, SK receive CEF grants
 - AT, DE, DK, RO, NO, IS don't have grants yet



WHAT ARE WE WORKING ON NOW?

- **FORMAL/UPGRADE PPT TESTING** – March/April 2022
 - Formal – for MS not yet in operation
 - Upgrade – for MS in operation -> have to perform an upgrade to Wave 5 Specifications in September 2022
 - Number of MS involved: 20
 - Number of tests submitted for validation: 471
 - Passed: 388
 - Failed: 19
 (as of 4.4.2022)
- **PRODUCTION TESTING**
 - Takes place continually, as MS are entering into operation
 - So far, more than 30 production tests have taken place since eHDSI has started.



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MyHealth@EU MS updates

Part I : Introduction to MyHealth@EU use cases and deployment

2. European state of play

Countries crossing

Croatia	X	✓	✓	✓	✓	✓	✓		✓	
Czech Republic	✓	X			✓	✓	✓	✓	✓	
Estonia	✓		X	✓					✓	
Finland	✓		✓	X					✓	
France	✓	✓			X		✓		✓	
Luxembourg	✓	✓				X	✓		✓	
Malta	✓	✓			✓	✓	X		✓	
Netherlands		✓						X	✓	
Portugal	✓	✓	✓	✓	✓	✓	✓	✓	X	✓
Spain									✓	X

Upcoming countries

	Austria		Italy
	Belgium		Latvia
	Bulgaria		Lithuania
	Cyprus		Poland
	Germany		Slovakia
	Greece		Slovenia
	Hungary		Sweden
	Ireland		

Following EU countries

	Denmark		Romania	
	Norway		Island	





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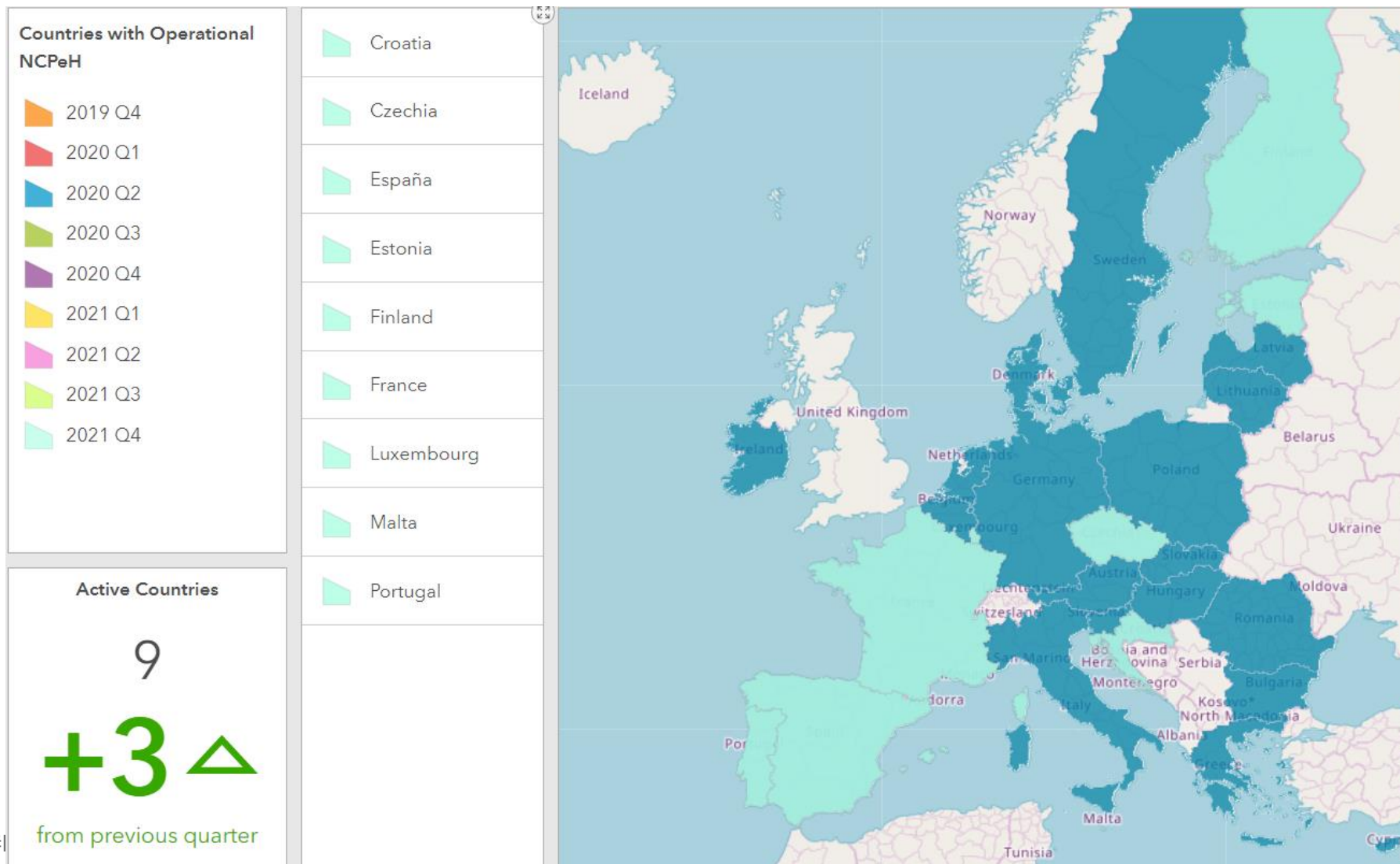
<https://webgate.ec.europa.eu/santegis/eHDSI/>



MyHealth@EU launch in 2018 – first MS in operation



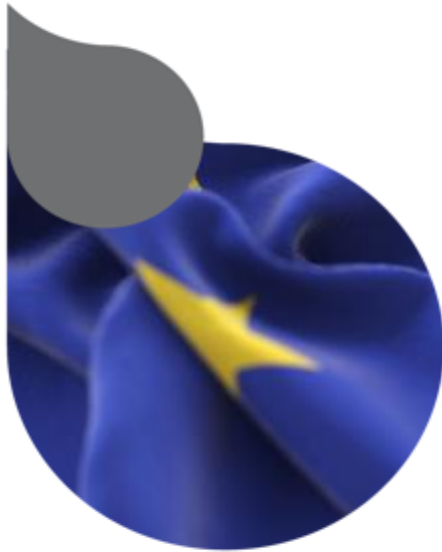
10 countries connected



Member State updates

This session includes

- eHMSEG state of play
- MS state of play from eHMSEG point of view
- Demonstration of NCPeH



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MyHealth@EU MS updates

Part I : Introduction to MyHealth@EU use cases and deployment

3. Member States' updates

Key data



3 countries connected
HR, FI, PT



+ 30 hospitals point of care



+ 400 pharmacies

Patient summary service now in Production
Environment Testing.

State of play

A

B



PS

2022

2022



eP



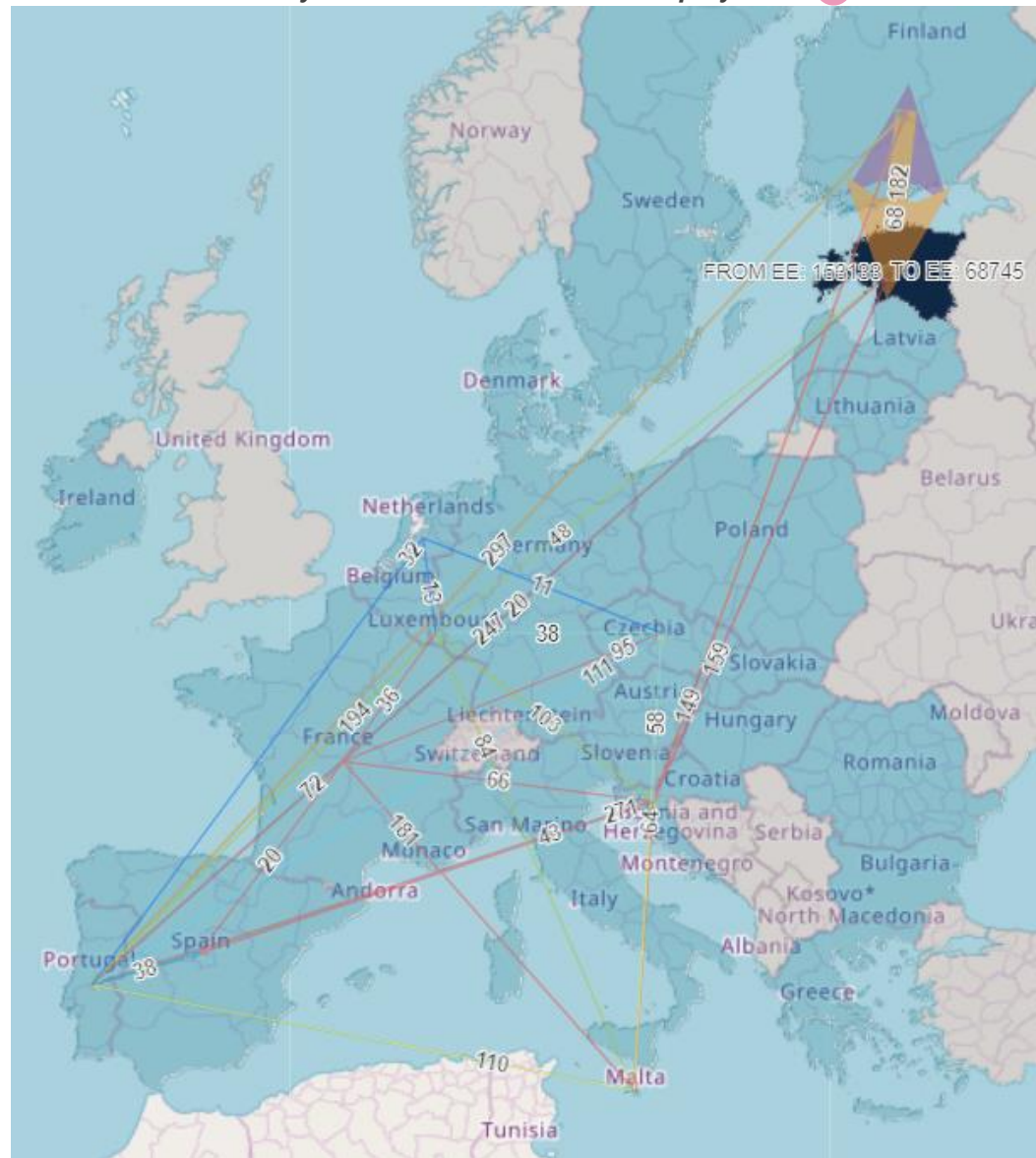
eD



Live

2023-2024

2025 and beyond



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MyHealth@EU MS updates

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3. Member States' updates

Key data



3 countries connected
EE, HR, PT



+ 200 hospitals point of care



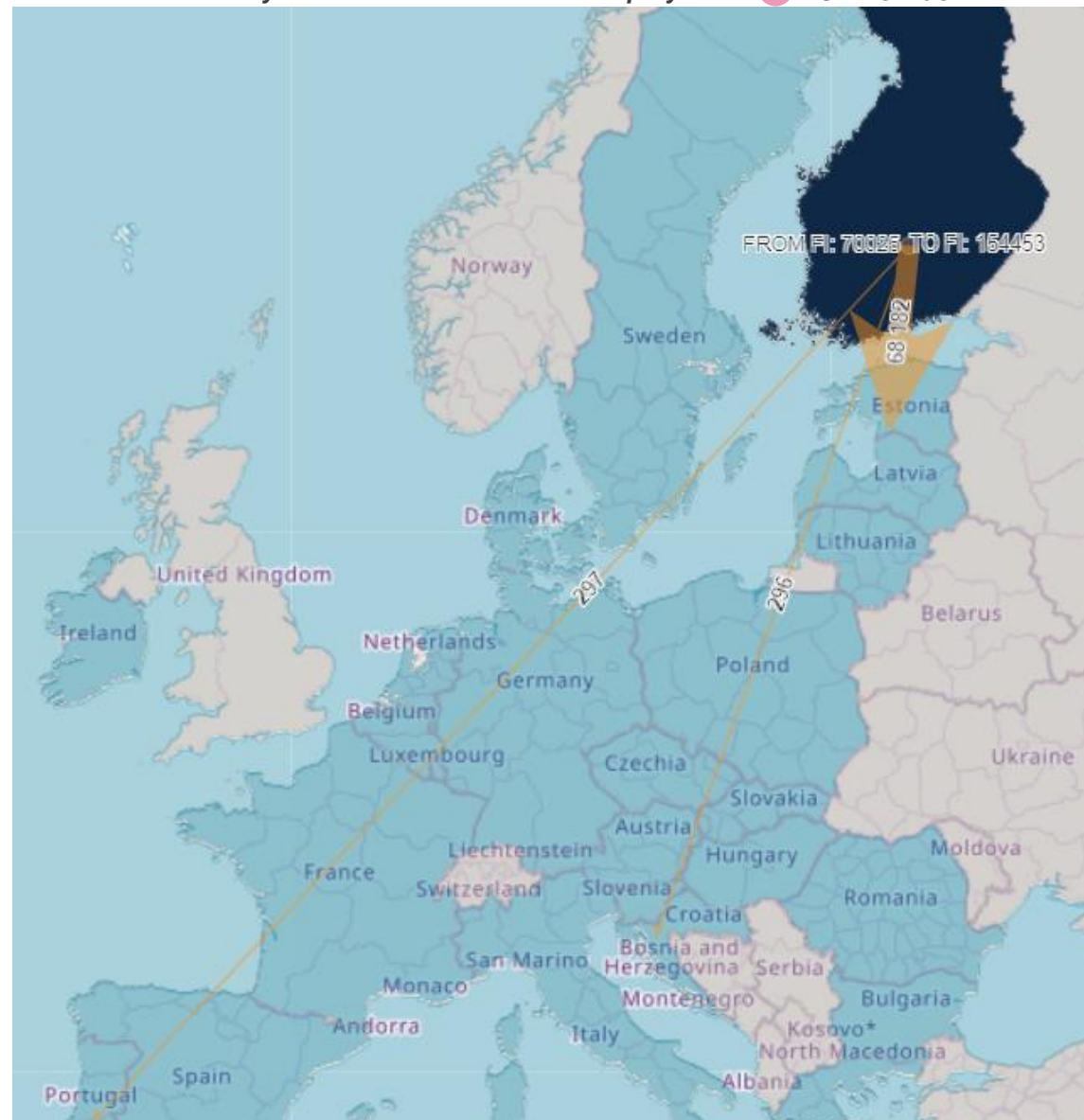
+ 800 pharmacies

eP A+B service are in operation with all pharmacies and covering full population. Services are stable, with 100 % uptime since May 2021

State of play

	A	B
PS	2023	2024
eP	✓	✓
eD	✓	✓

Live
 2023-2024
 2025 and beyond



Key data



7 countries connected
FI, EE, PT, CZ, MT, LU, FR



+ 90 hospitals point of care



+ 1000 pharmacies

100 % of facilities connected.

State of play



PS

A



B



eP



eD



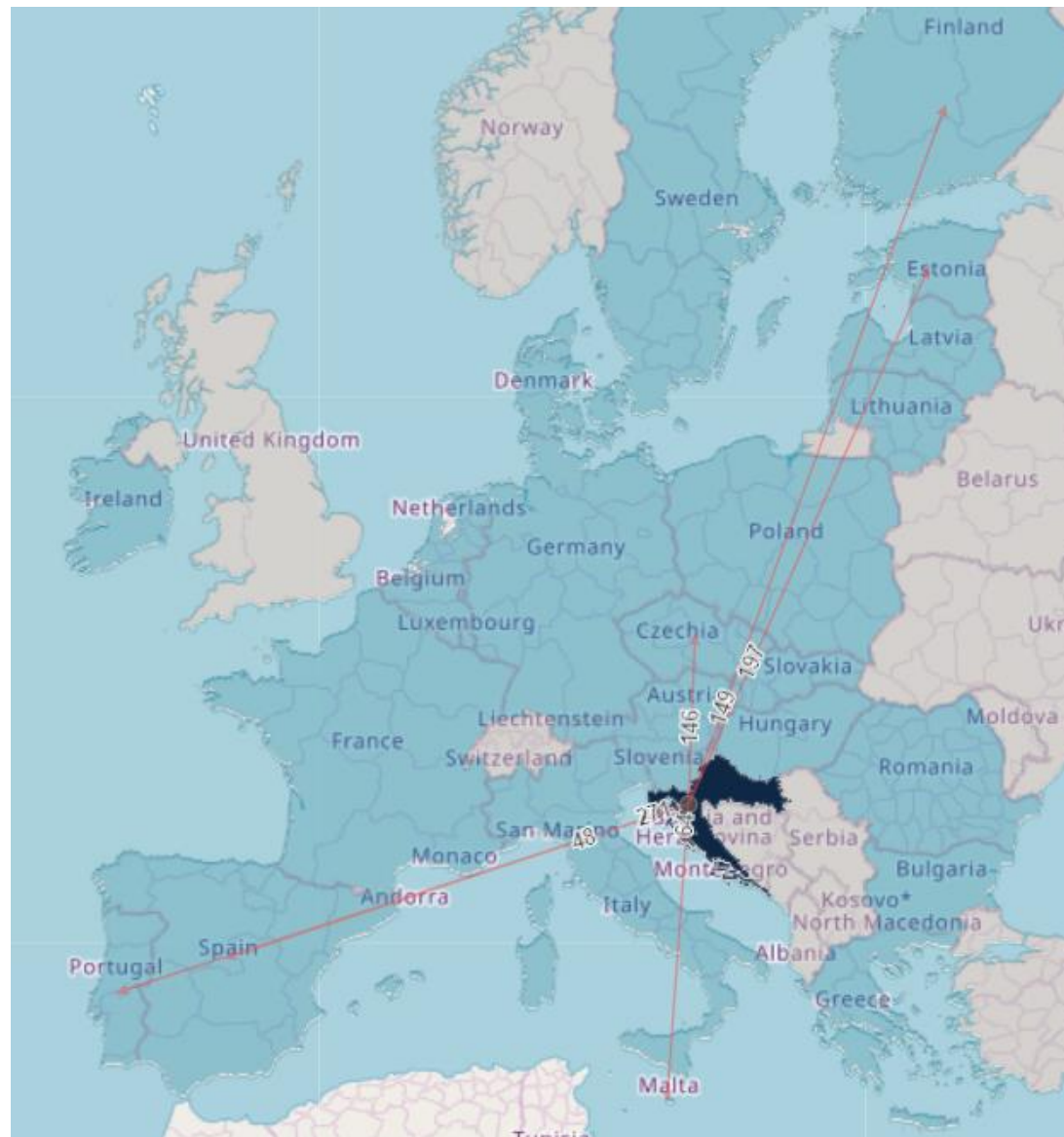
Live



2023-2024



2025 and beyond



Key data



6 countries connected
HR, PT, MT, LU, FR, NL



+ 100 hospitals point of care



+ 2000 pharmacies

In operation with PS A and B since 2019. Currently 15% of hospitals are connected, CZ is working on connecting more hospitals one by one, and also GPs. Go-live for eP expected in 2022.

State of play



PS

A



B



eP

2022



eD

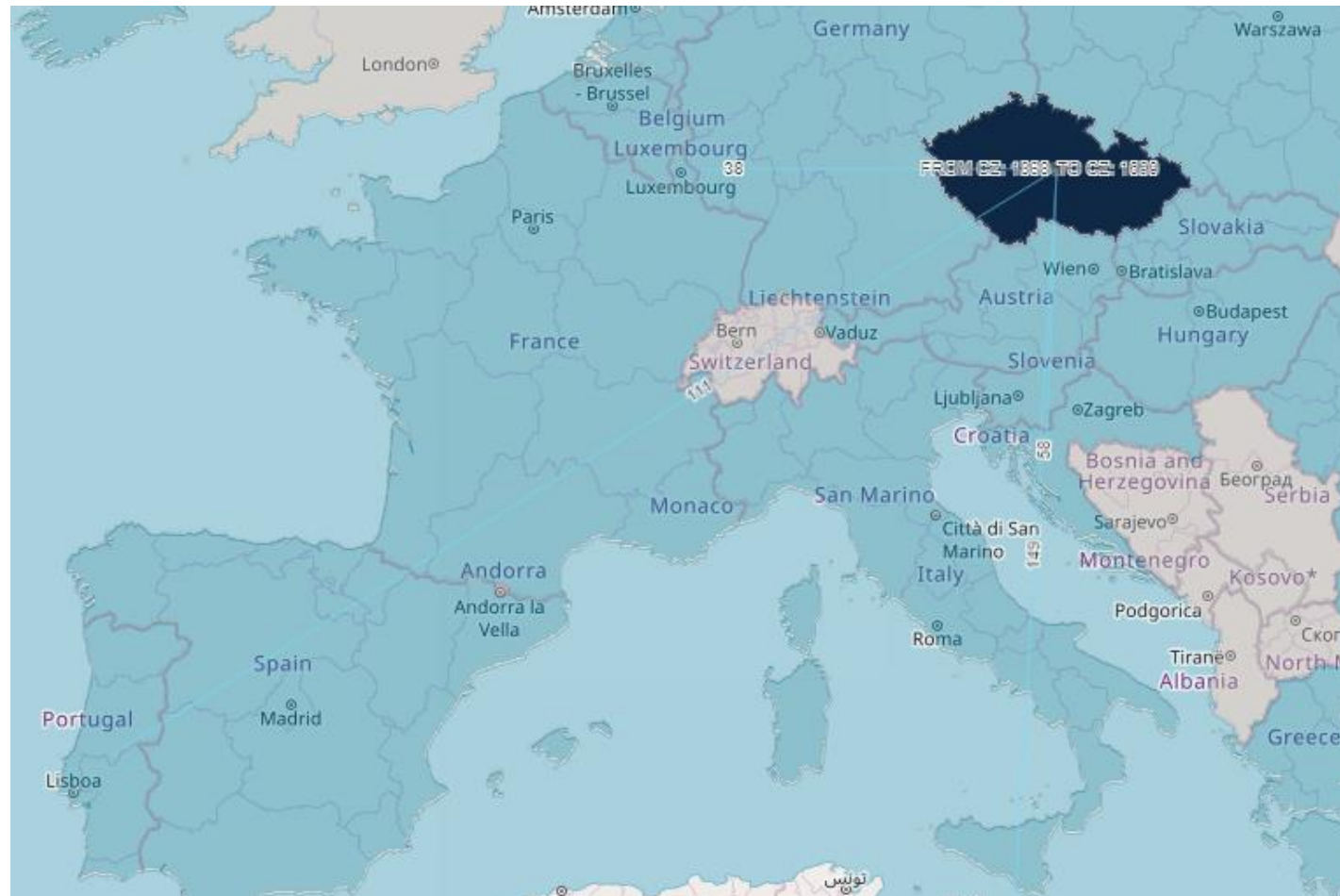
2022



Live

2023-2024

2025 and beyond



Key data



4 countries connected
CZ, MT, PT, HR

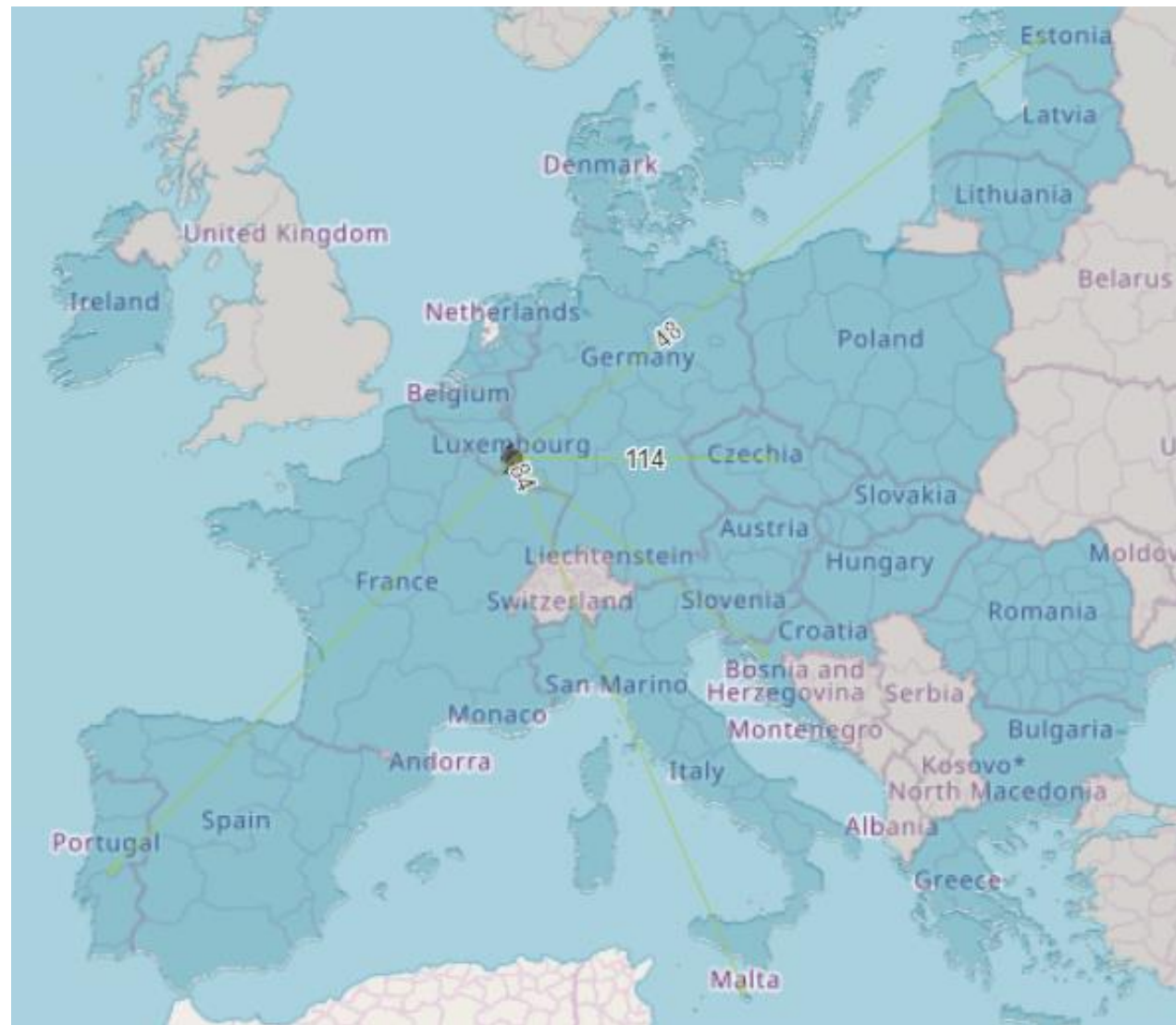


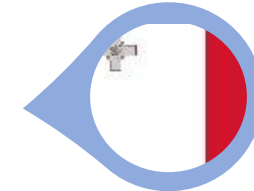
10 hospitals point of care

All hospitals connected to NCPeH. Production tests have been performed for PS-A service.
Go-live of eP service is postponed due to pending delivery of national platform.

State of play

	A	B
<div> Live 2023-2024 2025 and beyond </div>		





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3. Member States' updates

Key data



5 countries connected
PT, HR, LU, FR, CZ



2 hospitals point of care



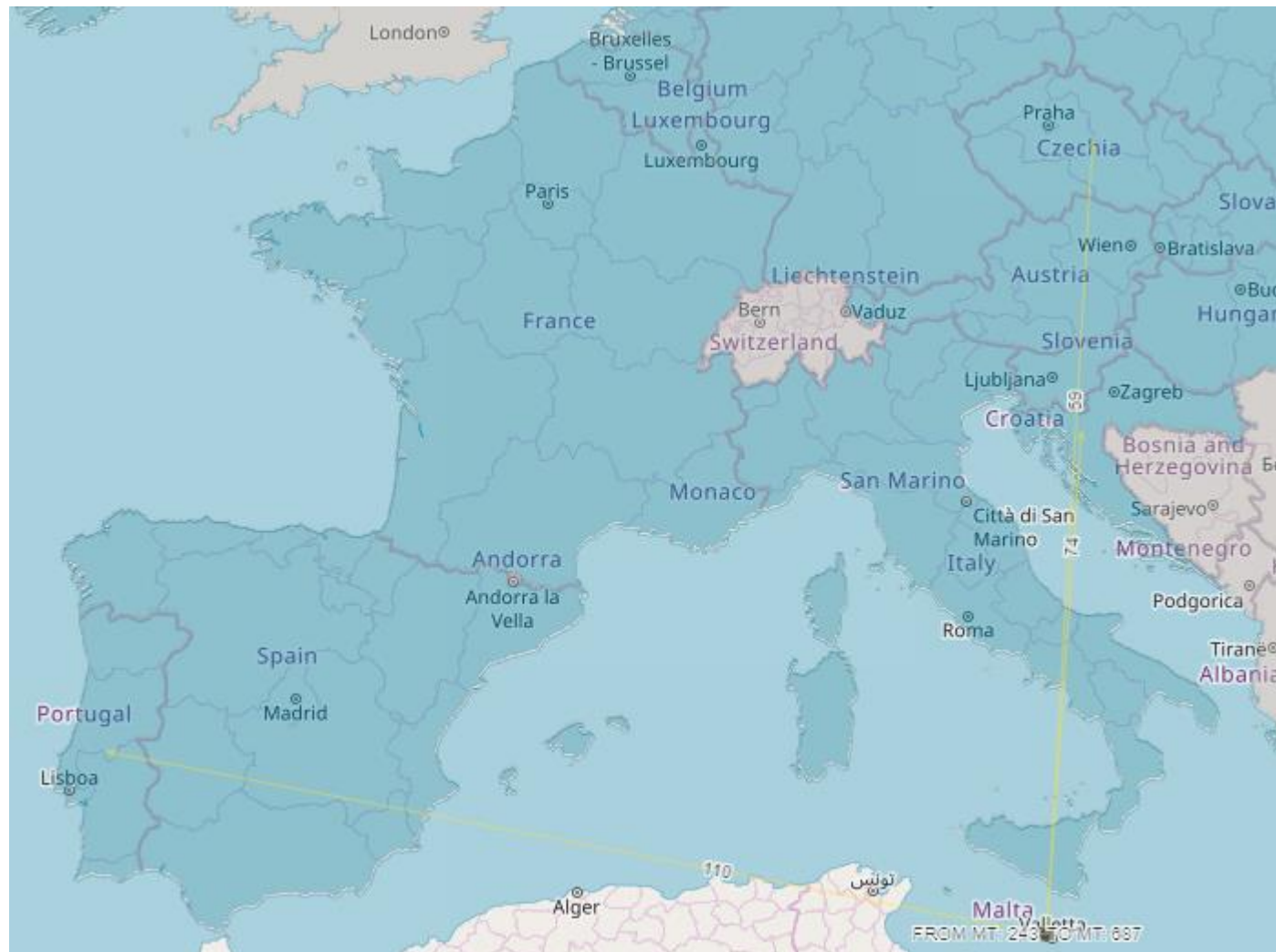
+ 200 pharmacies

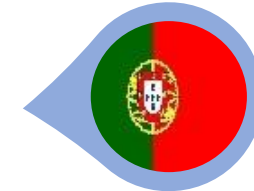
eP is still to be established at the national level. The national myHealth patient portal will play an increasingly important part, engaging citizens in digital health.

State of play

	A	B
PS	✓	✓
eP	-	-
eD	-	-

Live
 2023-2024
 2025 and beyond





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MyHealth@EU MS updates

Part I : Introduction to MyHealth@EU use cases and deployment

3. Member States' updates

Key data



9 countries connected
FI, EE, HR, MT, LU, FR, ES, CZ, NL



+200 hospitals point of care



+2000 pharmacies

PS and eP are in production. The number of pharmacies connected will be increased in the near future.

State of play

	A	B
PS	✓	✓
eP	✓	✓
eD	✓	✓



Live

2023-2024

2025 and beyond



Key data



4 countries connected
HR, CZ, PT, MT



+3000 hospitals point of care



+21 500 pharmacies

PS-B is live since 2021, all FR HCPs are connected to the infrastructure through www.sesali.fr. In the PS-B service, links with CZ MT PT HR are live. Some links are missing: ES, EE, LU, they are to be established in 2022.

State of play

A

B



PS

2024



eP

2023



eD

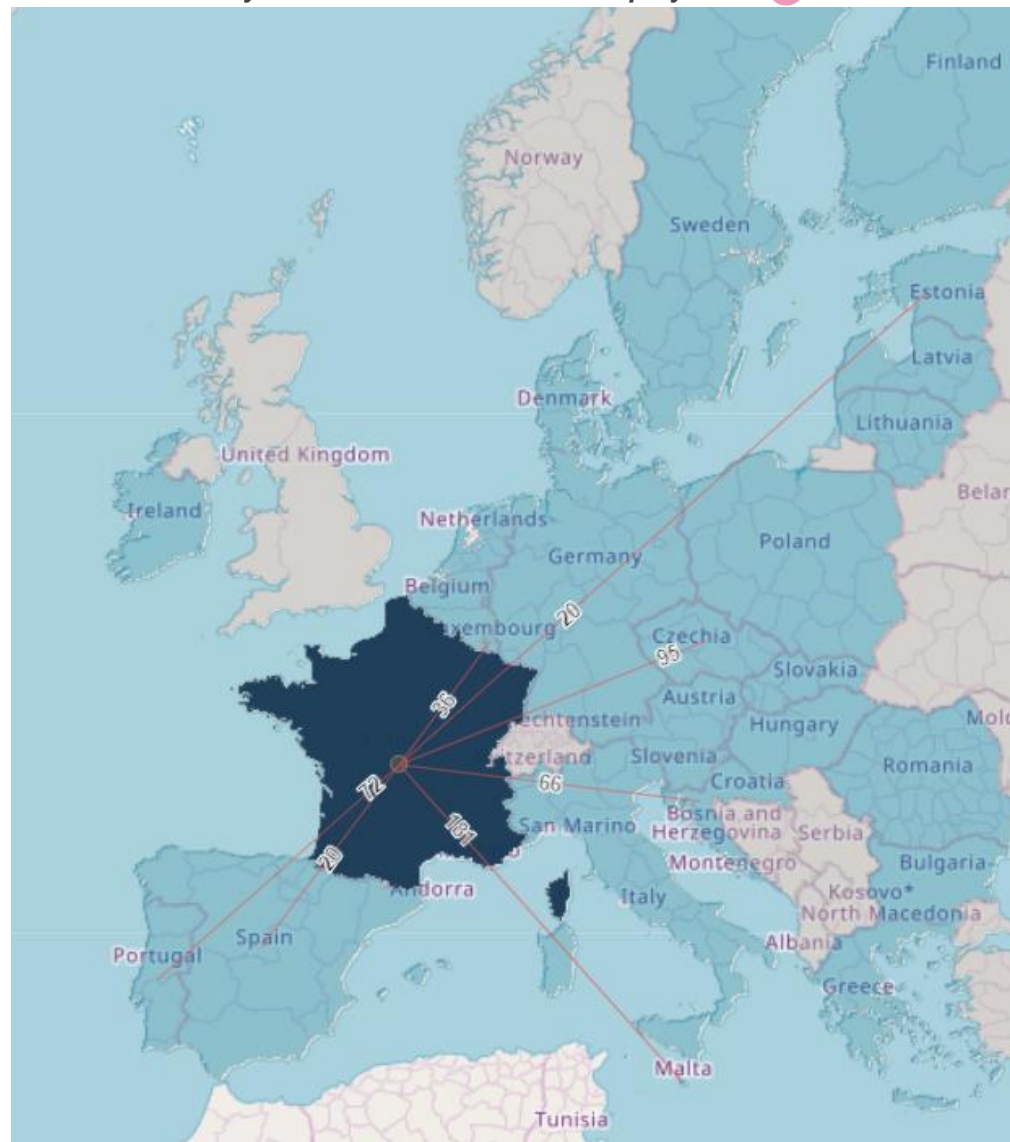
2024



Live

2023-2024

2025 and beyond



Key data



1 countries connected
PT



+ 700 hospitals point of care



+ 22 000 pharmacies

At the moment, Spain is live with PS A+B services in Region of Valencia. The remaining regions are on the way. The remaining regions will be joining gradually in the years 2022 – 2024.

State of play

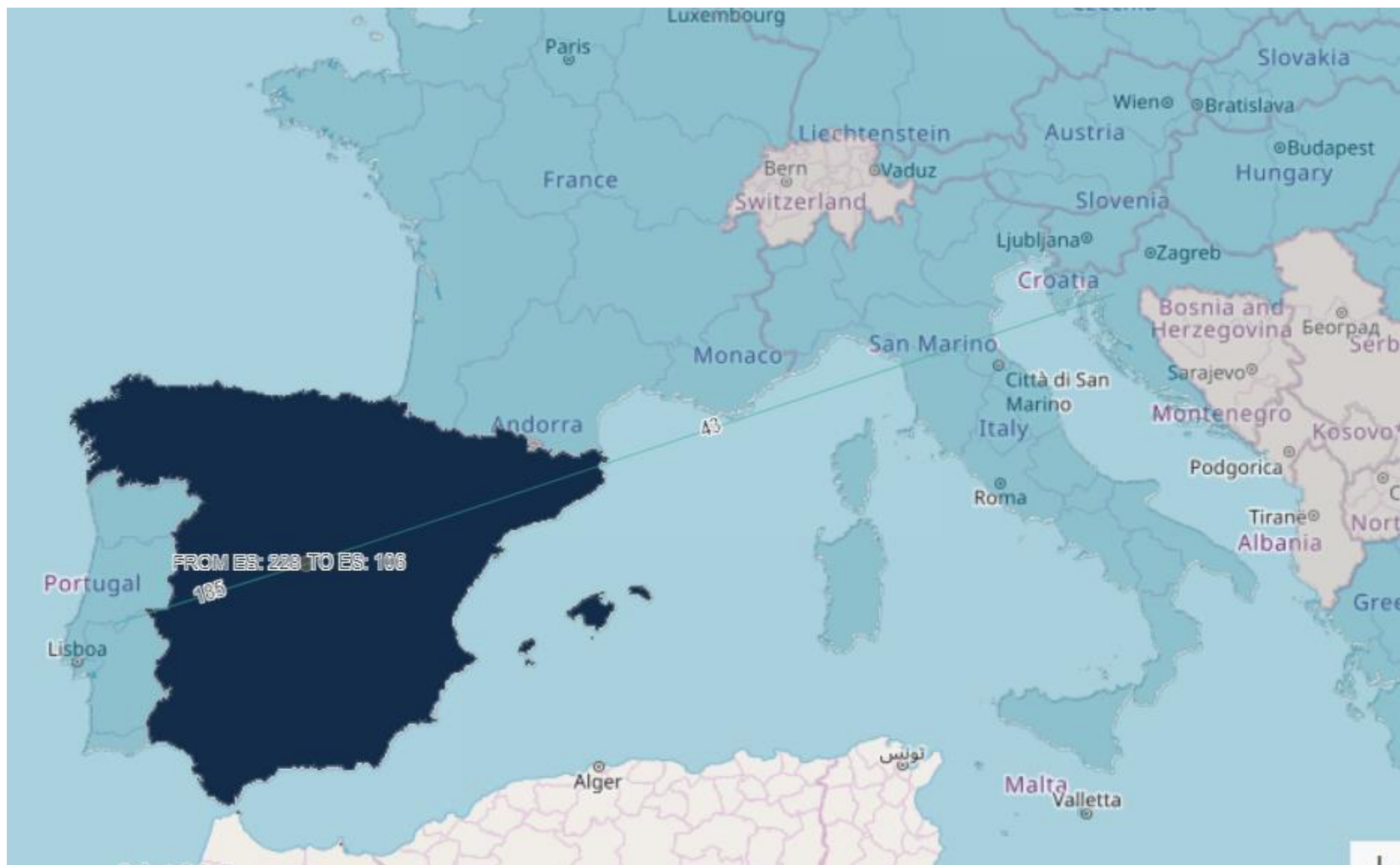
	A	B
PS		
eP	2022	
eD	2022	



Live

2023-2024

2025 and beyond



Key data



2 countries connected
CZ, PT



+ 500 hospitals point of care



+ 1000 pharmacies

Went live with PS-B on 8 February 2022, with CZ and PT. PET completed with LU, but not yet live. For NL, exchange of health data nationally is currently a challenge, impact analysis for PS-A is ongoing.

State of play

	A	B
PS	-	✓
eP	-	-
eD	-	-

✓ Live
2023-2024
2025 and beyond



.....**AND COMING UP ARE:**

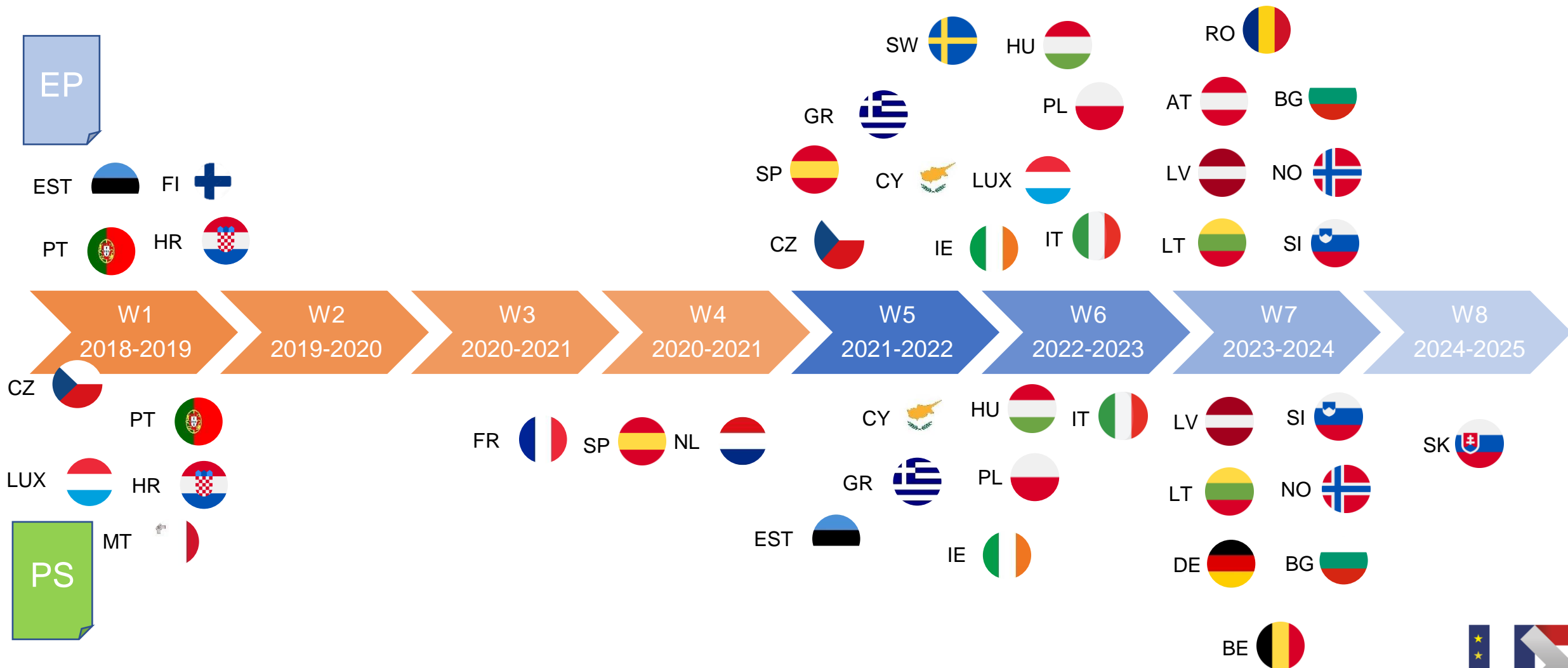


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MyHealth@EU MS updates

Part I : Introduction to MyHealth@EU use cases and deployment

3. Member States' updates





Eamon COYNE

eHMSEG chairs

Ireland

Eamon.Coyne@hse.ie



Klára JIRÁKOVÁ

eHMSEG chairs

Czech Republic

jirakova.k@kr-vysocina.cz

THANK YOU VERY MUCH FOR ALL SUPPORT !