



# INTEROPEHRATE SCENARIOS AND DATA FLOWS

MID-TERM PUBLIC WORKSHOP

20 OCTOBER 2020

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# AGENDA

10:00 – 10:05	<b>Welcome and Introduction</b> Workshop Facilitators: Tino Marti, Stephan Schug, EHTEL
10:05 – 10:15	<b>Health data sharing in Europe – strategies and implementation</b> Dr Ceri Thompson, Deputy Head of Unit H3 - eHealth, Well-Being and Ageing, DG CONNECT, European Commission
10:15 – 10:25	<b>Overview of InteropEHRate</b> Matteo Melideo, InteropEHRate Project Coordinator, Engineering, Italy
10:25 – 10:45	<b>Access to patient data at the point of care - LIVE DEMO</b> Vincent Keunen (Andaman7, Liège, Belgium), Adrian Bradu (SIMAVI, Romania)
10:45 – 11:00	<b>Decentralised data sharing for research</b> Stefano Dalmiani, Fondazione Toscana Gabriele Monasterio, Italy
11:00 – 11:15	<b>Access to patient data in emergency situations</b> George Petrescu, SCUBA - Clinical Emergency Hospital of Bucharest, Romania
11:15 – 11:25	<b>Synopsis: key features and added value of the InteropEHRate approach</b> Francesco Torelli, InteropEHRate Technical coordinator, Engineering, Italy
11:25 – 11:55	<b>Panel: Stakeholders' feedback on InteropEHRate approach and impact</b> Facilitator: Stephan Schug, EHTEL  Panellists: Eva Turk (University of Oslo), Asija Delalic (NHS England), Sara Roda (CPME), Andrea Belardinelli (Tuscany Region Government), Ceri Thompson (European Commission)
11:55 – 12:00	<b>Closing and invitation for Mid-term workshop part 2 (21 October)</b> Tino Marti, Stephan Schug, EHTEL



# HEALTH DATA SHARING IN EUROPE STRATEGIES AND IMPLEMENTATION

**Dr Ceri Thompson**

Deputy Head of Unit H3 eHealth, Wellbeing and Ageing  
DG CONNECT, European Commission





# Health data sharing in Europe – strategies and implementation

20 October 2020

DG CNECT, eHealth, Wellbeing and  
Ageing unit

Ceri Thompson, Deputy Head of Unit

# The power of Digital Technologies and Data



**High-performance  
computing**



**Artificial Intelligence**



**Internet of Things (IoT)**



**Cloud computing**



**mHealth**



**Wearables**



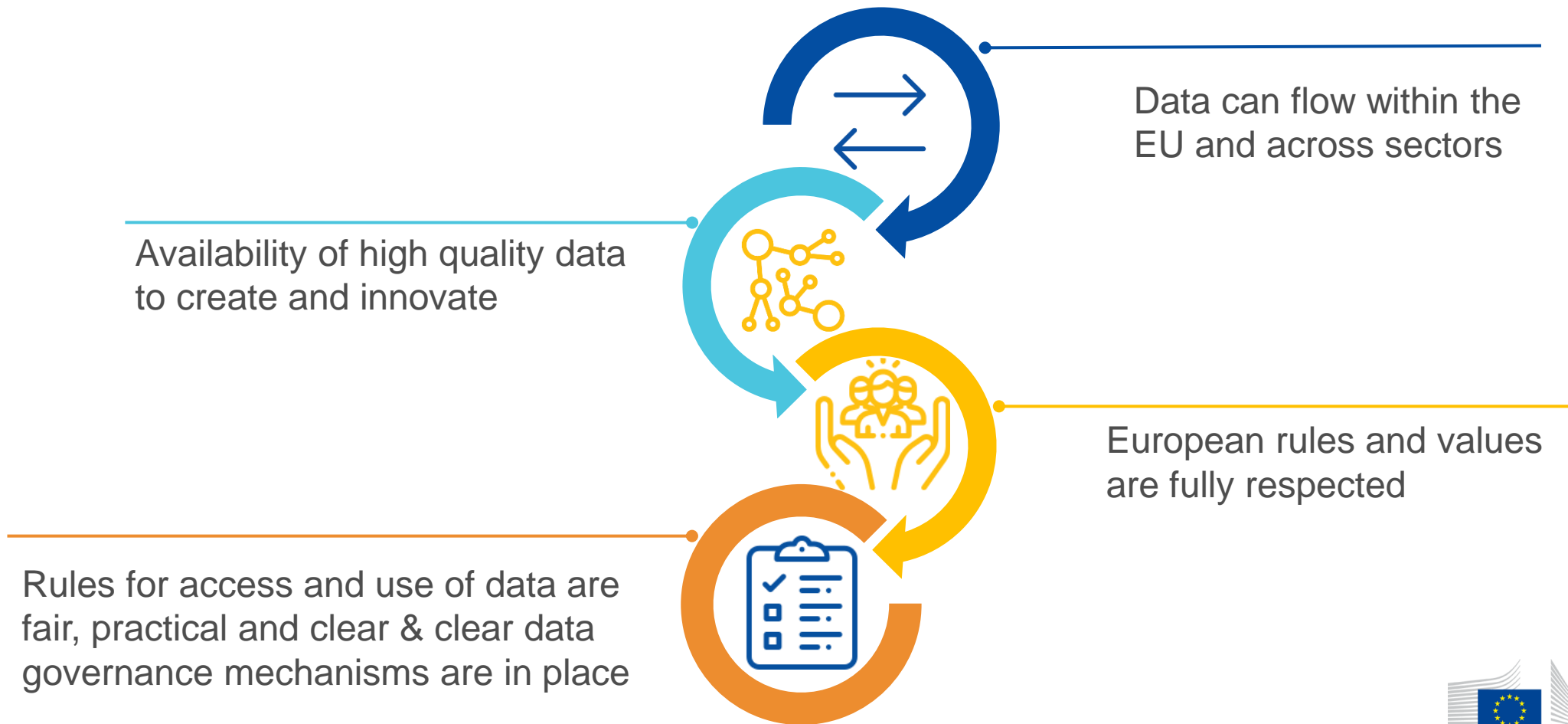
**Telehealth**



**4G/5G**

# European Strategy for Data (Feb 2020)

A common European data space, a single market for data





# Deploying the strategy through 4 Pillars



## A cross-sectoral governance framework for data access and use

including a legislative framework for the governance of European data spaces and other cross- sectoral measures for data access and use



## Enablers

Total investments of € 4-6 billion in a High Impact Project on European data spaces and federated cloud infrastructures



## Competences

Empowering individuals, investing in digital skills & data literacy and in dedicated capacity building for SMEs.



## Rollout of common European data spaces

in crucial economic sectors and domains of public interest, looking at data governance and practical arrangements.

International Aspects

# Common European data spaces

Rich pool of data  
(varying degree of  
accessibility)

Free flow of data  
across sectors and  
countries

Full respect of GDPR

Horizontal  
framework for data  
governance and data  
access



Health



Industrial &  
Manufacturing



Agriculture



Finance



Mobility



Green Deal



Energy



Public  
Administration



Skills

- Technical tools for data pooling and sharing
- Standards & interoperability (technical, semantic)

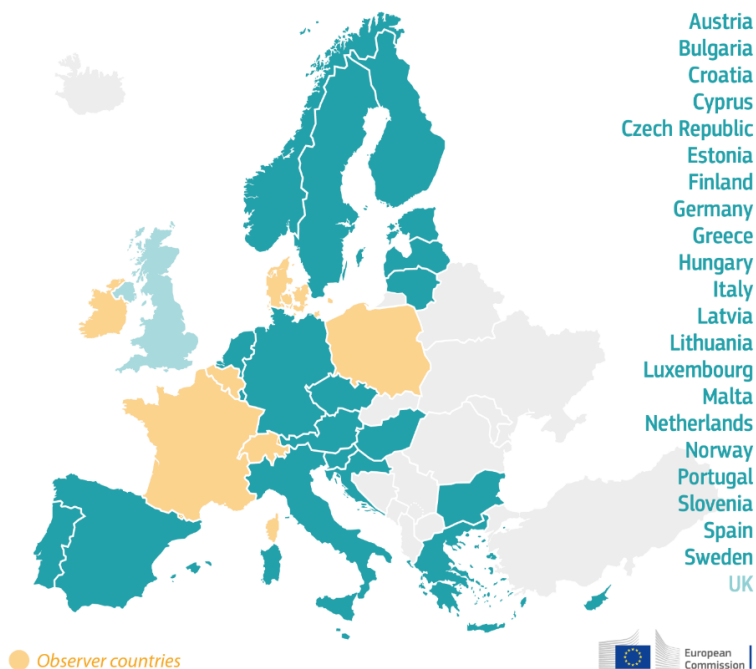
- Sectoral Data Governance (contracts, licenses, access rights, usage rights)
- IT capacity, including cloud storage, processing and services



# Matrix of the European Health Data Space

	Governance	Quality of Data	Infrastructure
Better Healthcare	Legislative and non-legislative measures on governance and rules for primary and secondary use of data, respecting GDPR	Uptake and develop the EEHRxF	MyHealth@EU ERN-CPMS 1+mil genomes
Better Policy Making		FAIR-ification of health data for primary and secondary use	Darwin (regulators) Link different repositories (eg registries: cancer, ERN, transplantation)
Better Research and Innovation	AI framework (incl AI&liability)		Images database Research infrastructures

EU countries agreed to cooperate in linking  
genomic data across borders



# 2018 Declaration

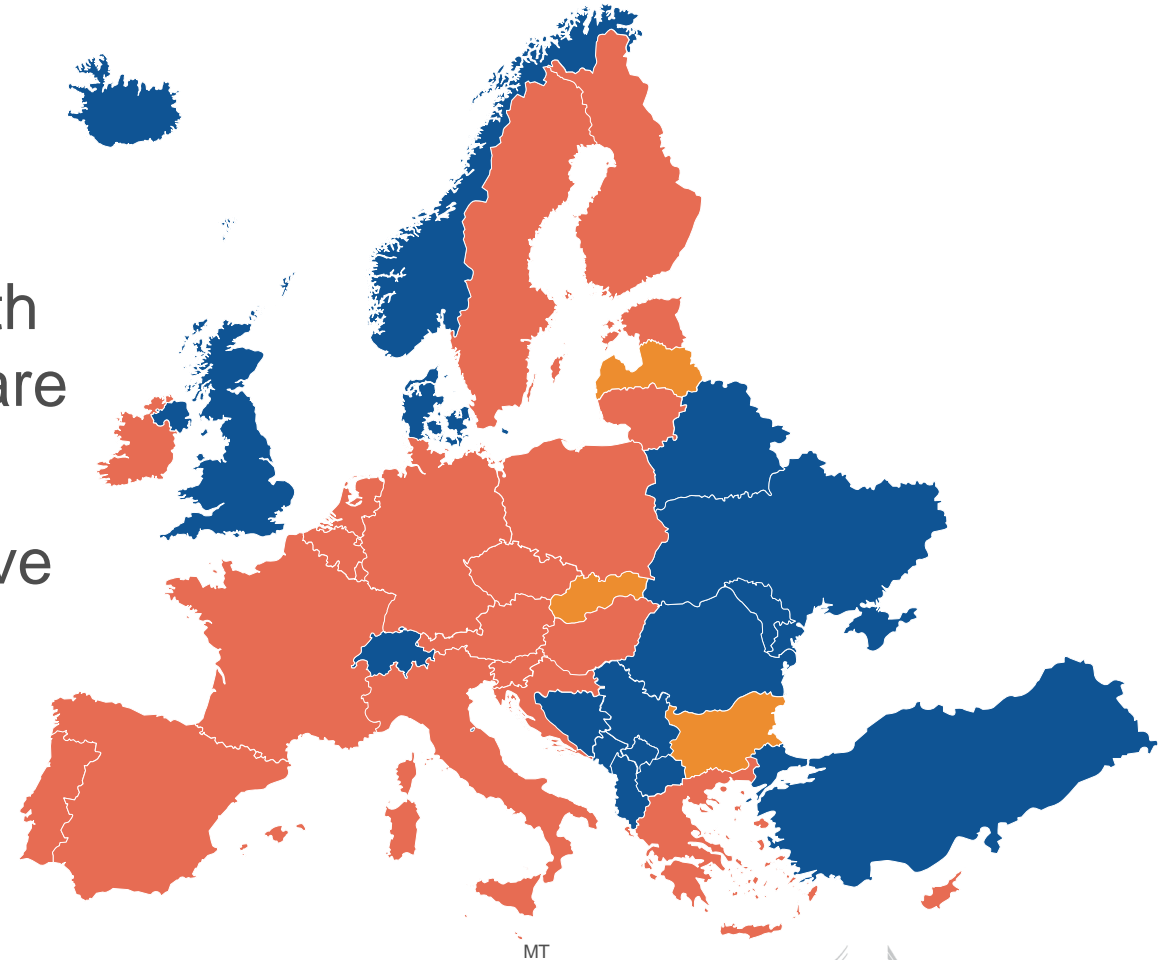
## "Towards access to at least 1 million sequenced genomes in the EU by 2020"

- cross-border access to genomic databases in the EU
- for a sufficient scale for clinically impactful research
  - in full compliance with data protection rules
  - Member States driven initiative
  - EC facilitating the progress

# Infrastructure for health data: My Health@EU/eHDSI

**MyHealth@EU enables exchange of patient data across borders**

- **Patient Summary** provides access to health professionals to verified key health data of a patient during an unplanned care encounter while abroad
- **ePrescription** enables patients to receive equivalent medication while abroad to what they would receive in their home country
- New services to be added: **images**, results, **laboratory discharge** reports



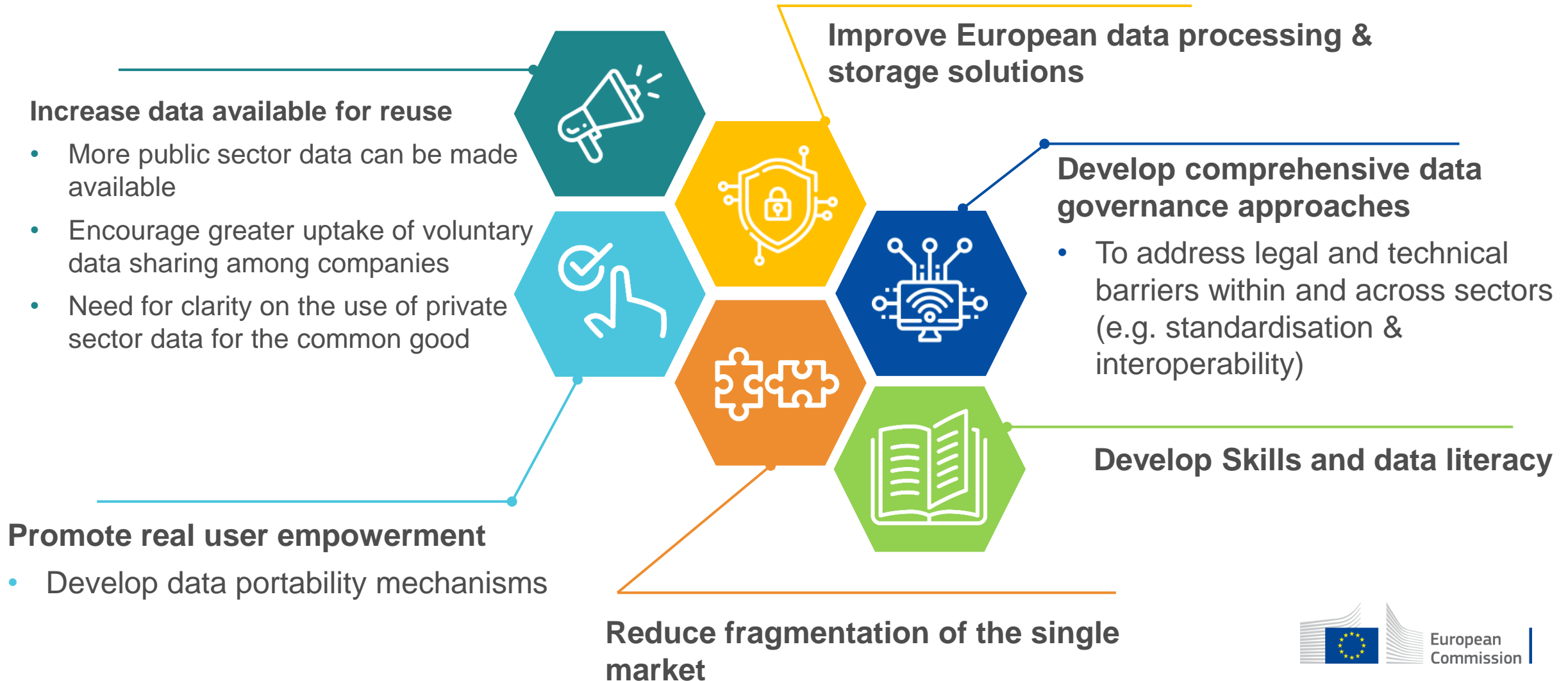
# EEHRxF: Next priority health domains

2.2.2 Table B: Content structuring and representation for other health information domains

Health information domain	Clinical information for cross-border exchange	Content representation for cross-border exchange
Laboratory results	<i>Enable cross-border exchange according to the clinical information structure currently used by the sender electronic health record system, while common clinical information structures for cross-border exchange are developed and agreed.</i>	<i>For laboratory results, medical imaging reports and hospital discharge reports</i>
Medical imaging and reports		Health Level Seven (HL7) Clinical Document Architecture (CDA) Release 2 Level 3 or Level 1 (PDF <sup>7</sup> /A )
Hospital discharge reports		<i>For medical imaging</i> Digital Imaging and Communications in Medicine (DICOM)

- Laboratory tests, medical imaging and reports, hospital discharge letters
- Exchange unstructured information until structure is developed
- X-eHealth H2020 project

# What are the challenges?





# Next steps

- The impact of the COVID-19 pandemic
- Investments under the next MFF, including
  - Recovery and Resilience Fund
  - HorizonEurope
  - Digital Europe Programme
  - EU4Health
- The eHealth Stakeholder Group and other forums



# Thank you for your attention!

Any questions?

