



EU Cooperation to Empower Citizens' Health & Care

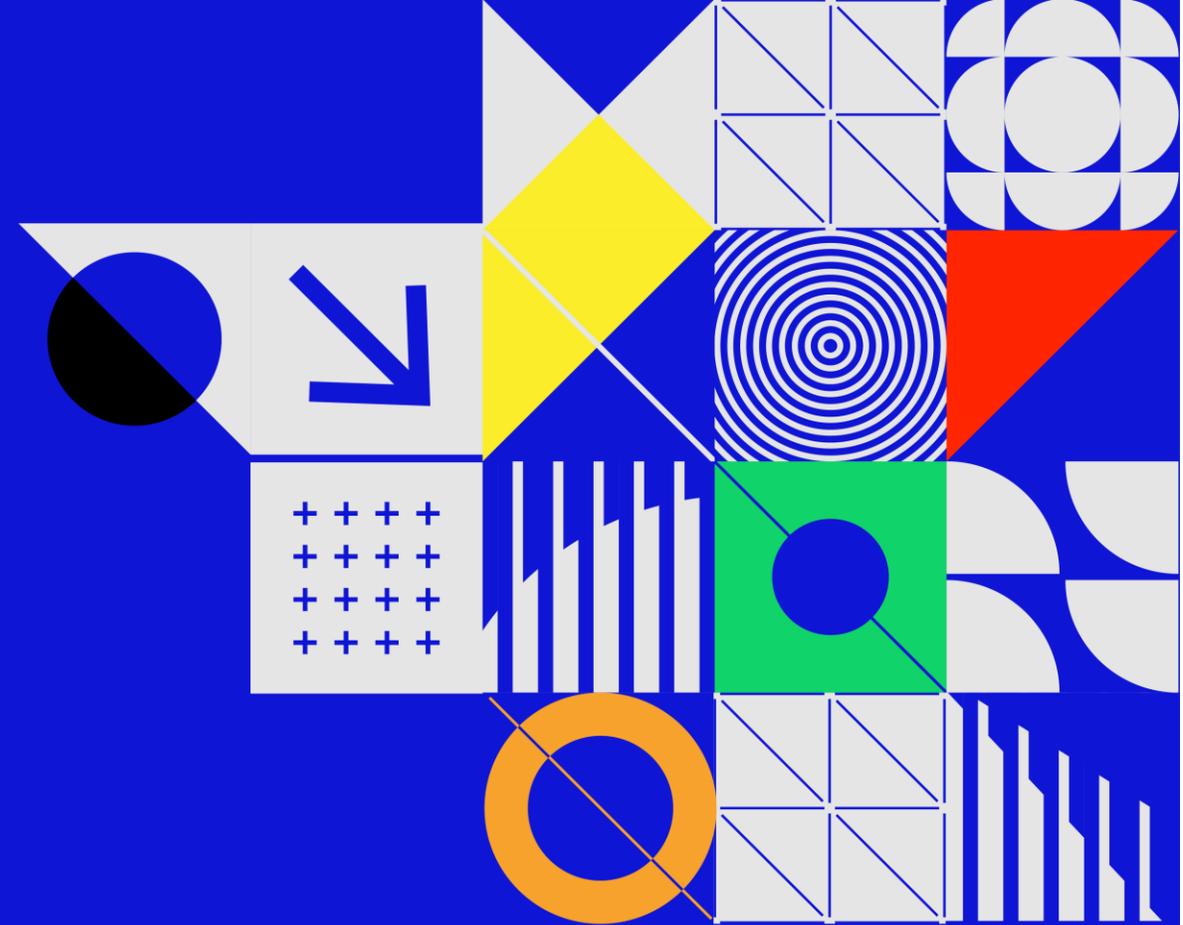
The eHAction Project

Joint Action supporting the eHealth Network

21 July 2021 | CLOSING EVENT

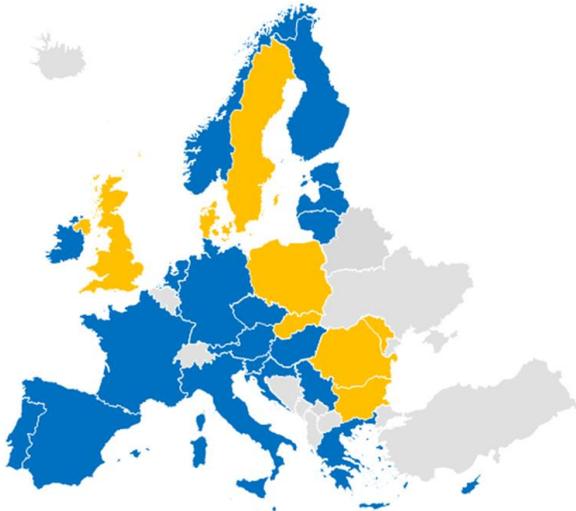
10h00-13h00 CET

Venue: Teleconference



Dissemination & Closing Events

1. National Dissemination



2. Internation Dissemination

**EU Cooperation to Empower
Citizens' Health & Care**
The eHAction Project
Joint Action supporting the eHealth Network

1 JUNE 2021 | DISSEMINATION CLOSING EVENT

1 July 2021 (14:00 – 17:00 CET)
Venue: Teleconference

3. Closing Event

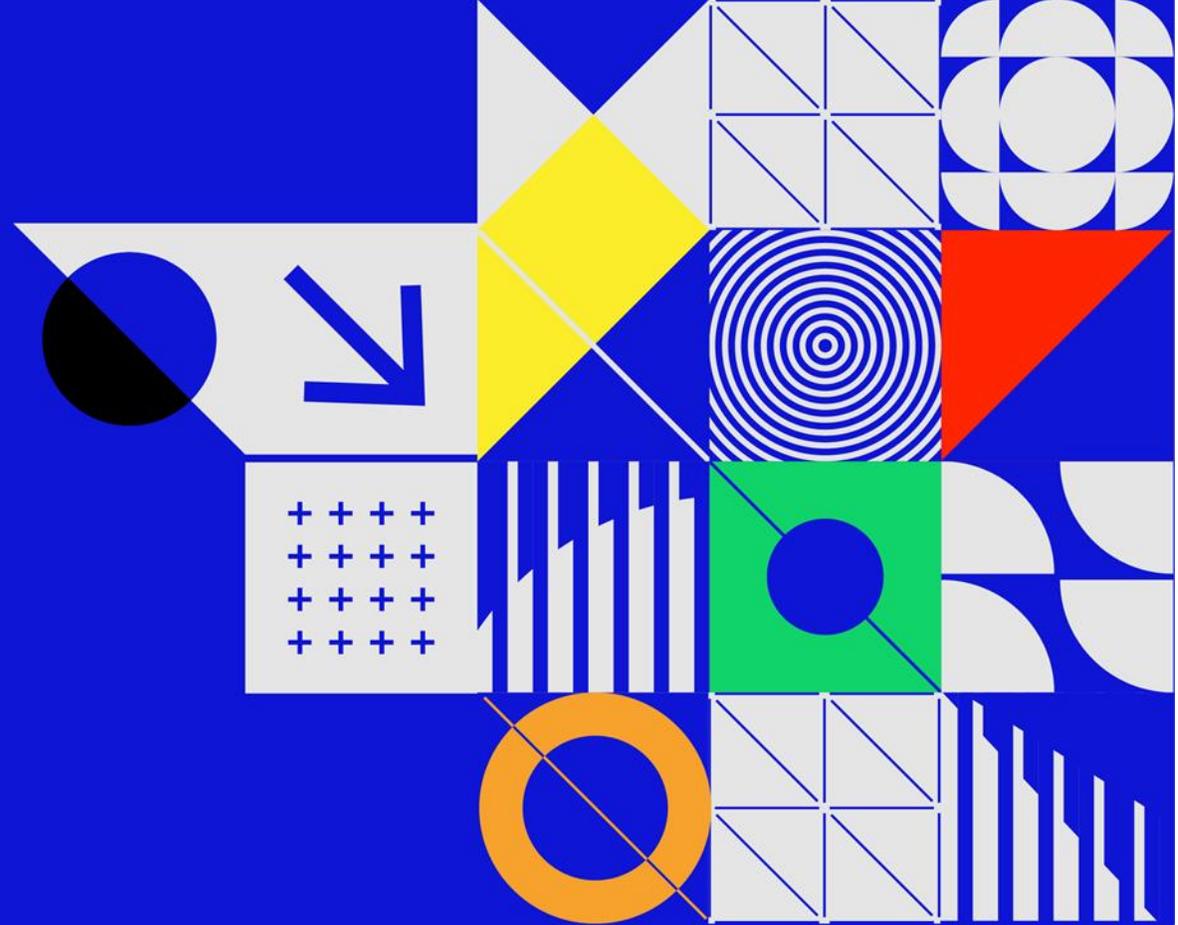
**EU Cooperation to Empower
Citizens' Health & Care**
The eHAction Project
Joint Action supporting the eHealth Network

21 July 2021 | CLOSING EVENT

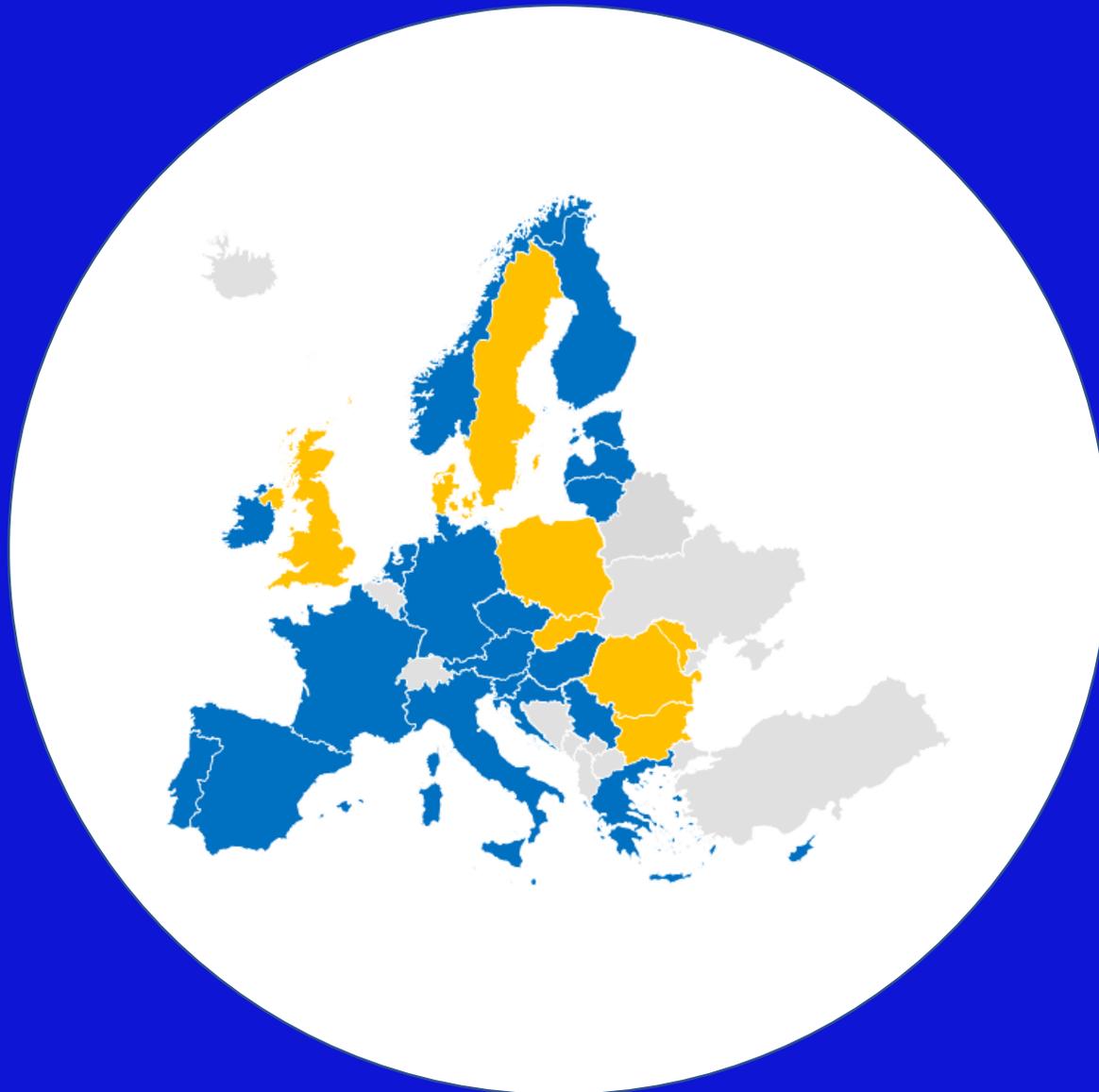
10:00-13:00 CET
Venue: Teleconference

The Achievements

3 Years project overview | The collaborative Work | The results | Impact on every day's life



eHAction | CONSORTIUM



21 ACTIVE COUNTRIES

- PT, AT, CY, CZ, DE, EE, EL, ES, FI, FR, HR, HU, IE, IT, LT, LU, LV, MT, NL, RS, SI

9 COUNTRIES AS COLLABORATIVE STAKEHOLDERS

- BG, DK, MD, PL, RO, SE, SK, UK, NO
- 8 Affiliated entities (AT, CY, EL, FR, HU)

PARTNERS (40):

- 11 ministries
- 21 national competent authorities or national executive agencies
- 2 universities
- 4 healthcare providers and healthcare service providers
- 2 health insurance funds

COORDINATOR:



SPMS
EPE
Serviços Partilhados do
Ministério da Saúde

eHAction

some facts





230 PEOPLE

WORKING TOGETHER

74.000 Hours

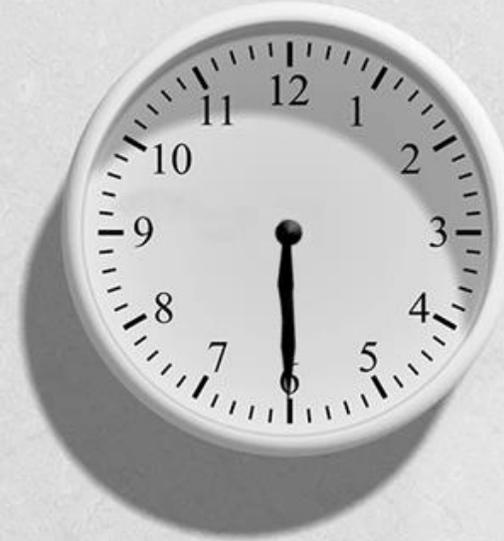
Of collaborative Work



INFORMATION



TIME

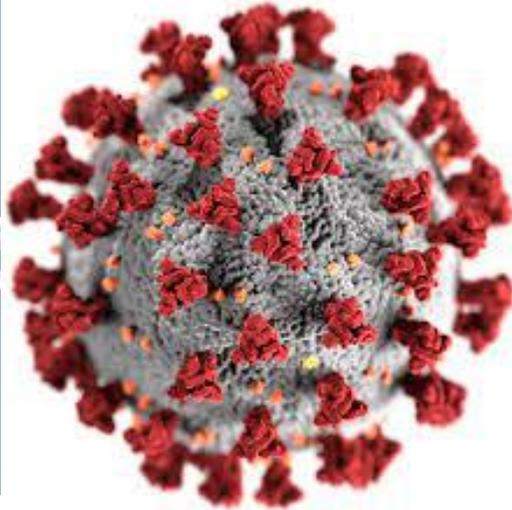
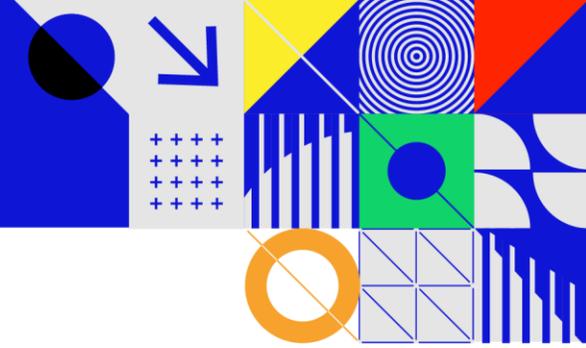


KNOWLEDGE



300 Travels

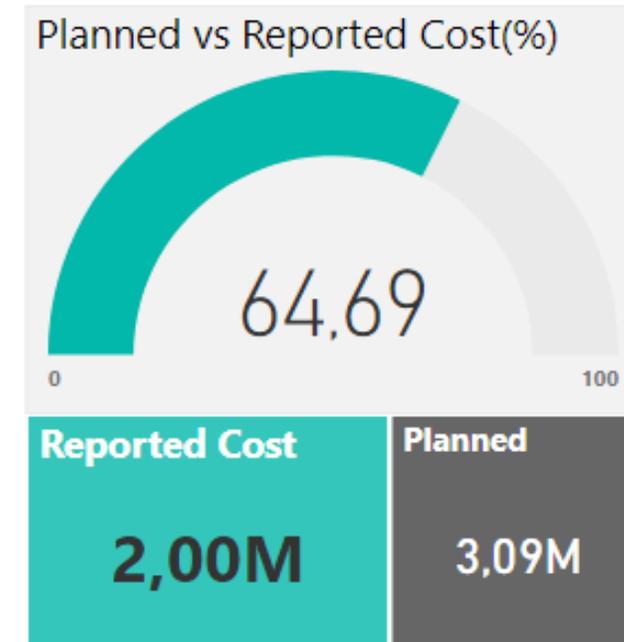
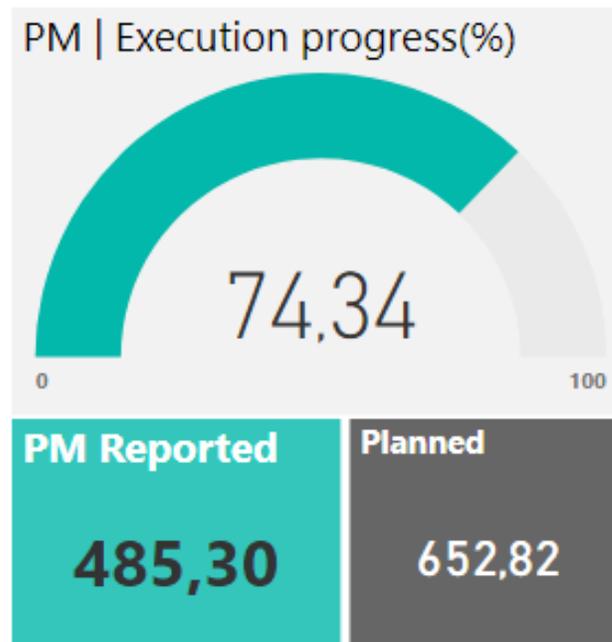
To meet and work
with each other



Pandemic Situation (COVID-19)

- Limited the F2F Workshops, LC and SC Meetings
- New Ways of working have increased
 - Teleconferences
 - Online Collaborative Tools
 - Team members distributed through a multitude of geographical areas even in each country
- But, Quality of the outcome was not affected

eHAction KPIs



Data received until 19 July 2021



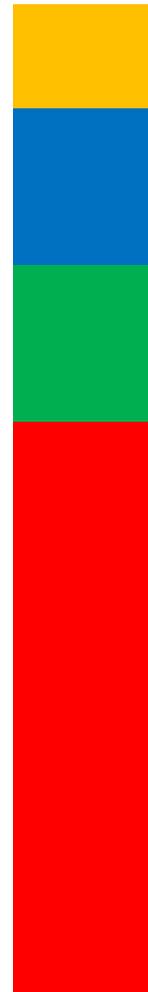
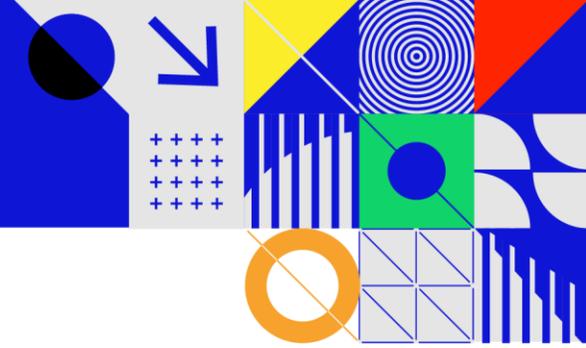
8

WORKPACKAGES

21

TASKS

eHAction Deliverables



[D4.1 - Policy Framework People Empowerment](#)

[D4.2 - Policy Proposal People Empowerment](#)

[D5.1 - Report on policy action on innovative use of big data in health](#)

[D5.2 - Report on identified cross-border use cases](#)

[D5.3 - Paper on common principles for big data governance](#)

[D6.1 - Roadmap on future eHDSI use cases and features](#)

[D6.2 - eHDSI legal report](#)

[D6.3 - Report on eSkills for Professionals](#)

[D7.1 - Guidelines for IT interoperability](#)

[D7.2 - Best practices report on data protection at national level](#)

[D7.3 - Common security framework for eHealth](#)

[D8.1 - Integration in national policies and sustainability](#)

[D8.2 - Policy document about technology report](#)

D8.2.1 - MSC document about EHRxF

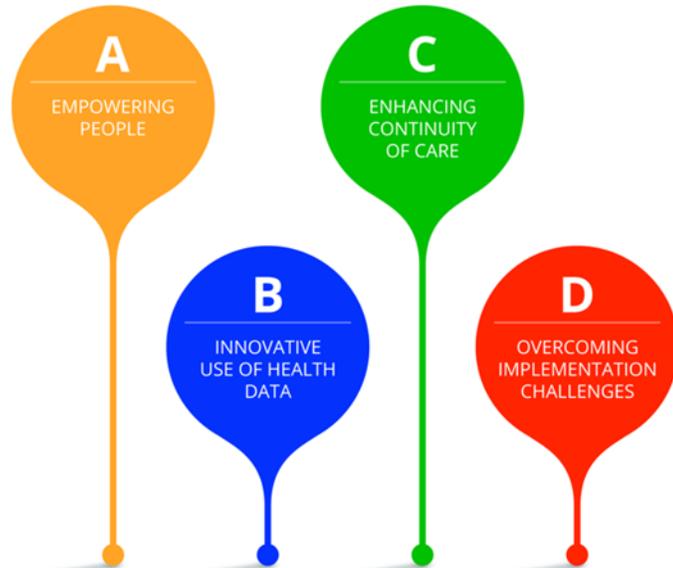
D8.2.2 - CSS Document_1 -5th eHN

D8.2.3 - Proposal on adopting a European eHealth Reference Architecture

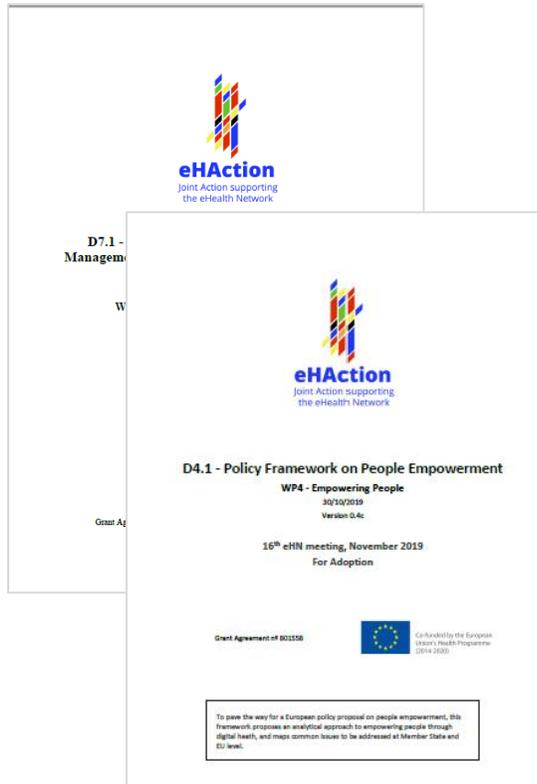
D8.2.4 Common eID Approach for Health in the EU

[D8.3 - Post-2021 - scenarios for eHealth policy cooperation](#)

[eHN Recommendations - National Digital Health Networks](#)

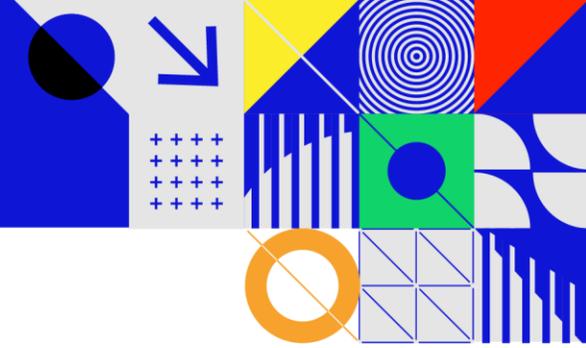


<http://ehaction.eu/>



Additionally

- 21 - Information Notes
- 26 - Draft Versions
- 2 – Follow-up Version



Other highlighted outcomes

Creation of eHN Sub-Group on Semantics(*CSS*)

Creation of Health eGovERA tool

Basis for EHRxF recommendation

Basis for future Projects

eSkills tool for self assessment

[Interoperability Guide](#)

[Cyber security Guide](#)

People empowerment Digital Magazine

Basis for future JAs and Projets (TEHDAS, X-eHealth)

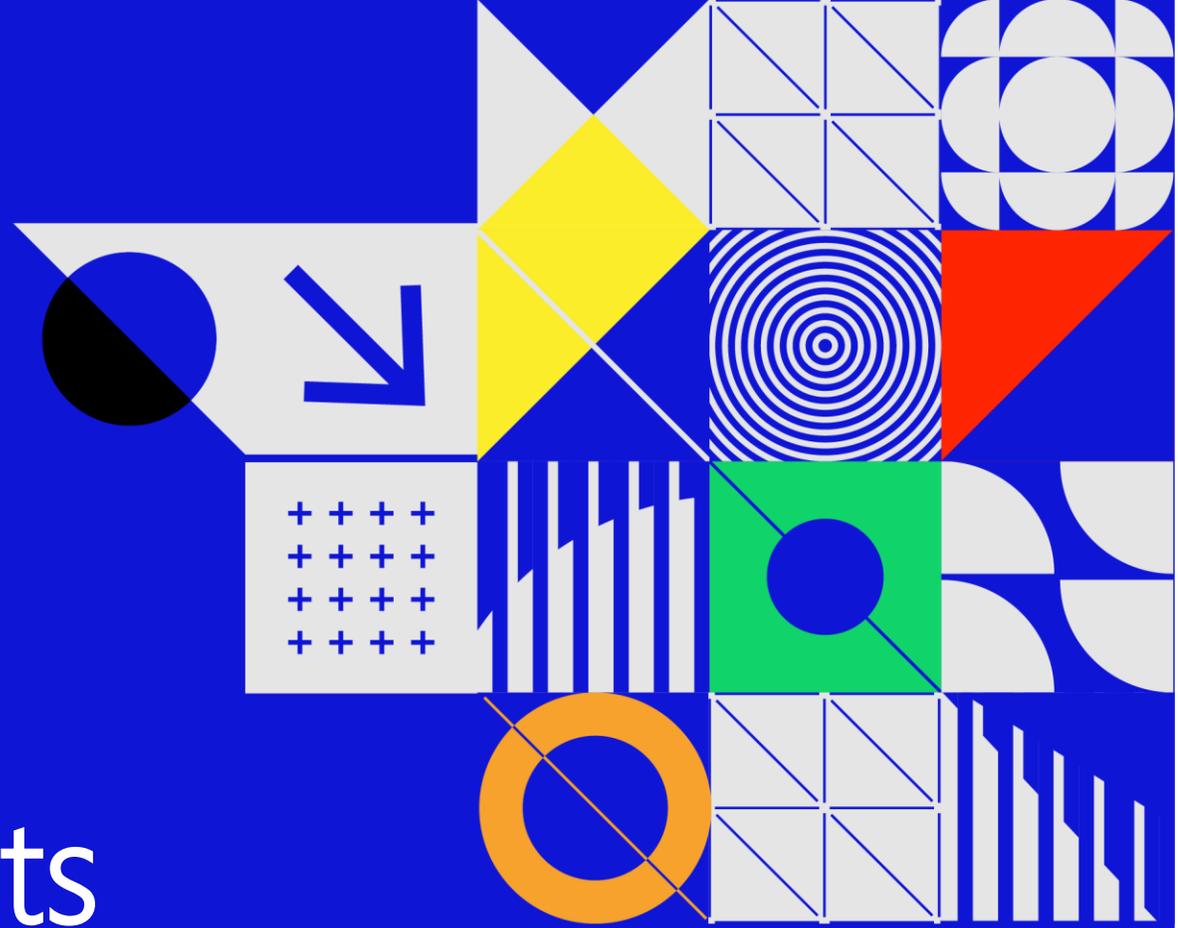
National Digital Health Networks Recommendations





Recommendations

To eHN to implement Policies
that will impact citizens' daily life.

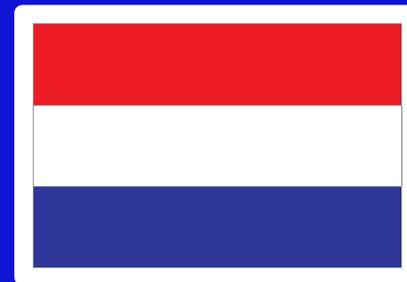


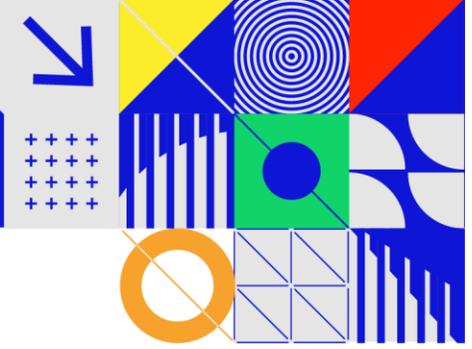
Most important aspects of the work done in each Area

Empowering people | Innovative use of health data | Enhancing continuity of care | Overcoming implementation challenges

Empowering People

Translation of defined priority area A (Empowering people) of the MWP 2018-2021 into actions (incl. related specific requests made by the eHN)





Strategy

Translation of defined priority area A (Empowering people) of the MWP 2018-2021 into actions (incl. related specific requests made by the eHN)

Outcome:

- Adoption of framework
- Dissemination of policy and concrete actions

Main activities

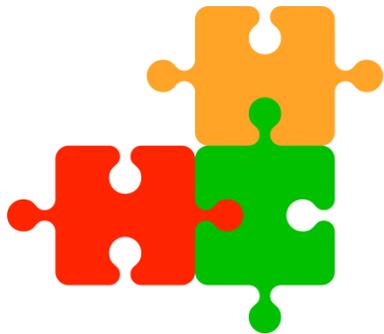
- mHealth and health apps reliability
- Patient access and use of data
- Digital health literacy
- TeleHealth



WP4

EMPOWERING PEOPLE

[D4.1 Policy Framework on People Empowerment](#)



To pave the way for a European policy proposal on people empowerment, this framework proposes an analytical approach to empowering people through digital health, and maps common issues to be addressed at Member State and EU level.



The Framework on People Empowerment

Ability

Refers to the extent to which people have the necessary competences (e.g. knowledge and skills) in order to achieve a certain outcome. In this context it is the ability of people to engage in their own or others' health.

Motivation

Is people's desire to take action in order to gain and retain control over their own health and/or the ones they care for. Motivation incorporates readiness, willingness, interest and desire to engage.

Opportunity

Reflects the extent to which a situation is conducive to achieving a desired outcome. In this context it refers to the availability and + accessibility of solutions needed for empowered behaviour, as well as the involvement of people.

Gain control of your
health and increase
your capacity to act on
issues you consider
important



Empowered Behaviour

Live a healthy lifestyle
by losing weight and
improving her diet.



WP4

EMPOWERING PEOPLE

D4.2 Policy Proposal on People Empowerment

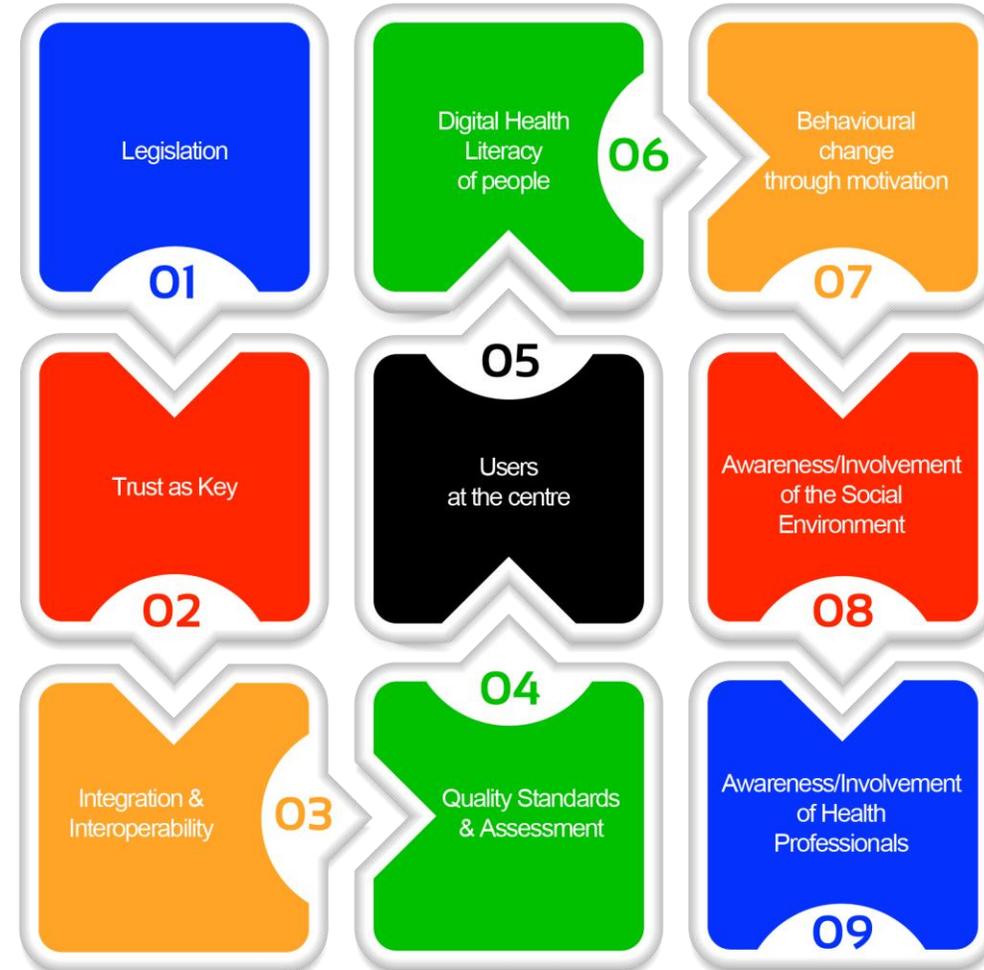


The purpose of this document is to present a policy proposal with a list of priorities and recommendations for adoption by the eHN in order to improve the empowerment of their citizens.

This policy proposal builds upon the Policy Framework on People Empowerment, which was delivered and adopted during the 16th eHN meeting in November 2019.

D4.2 - Policy Proposal on People Empowerment

- 9 priority areas plotted on the AMO model
- Total of 22 recommendations
- The recommendations consist of a general suggestion and corresponding stakeholder(s)



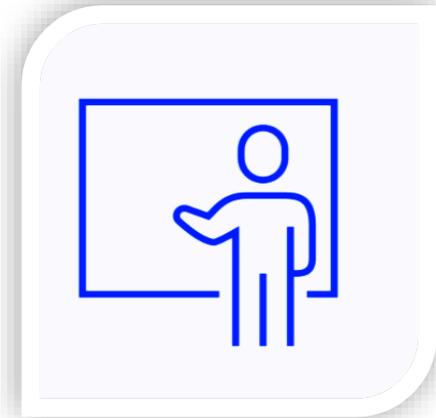
Our other empowerment documents



[Digital Magazine](#)



[Leaflet](#)

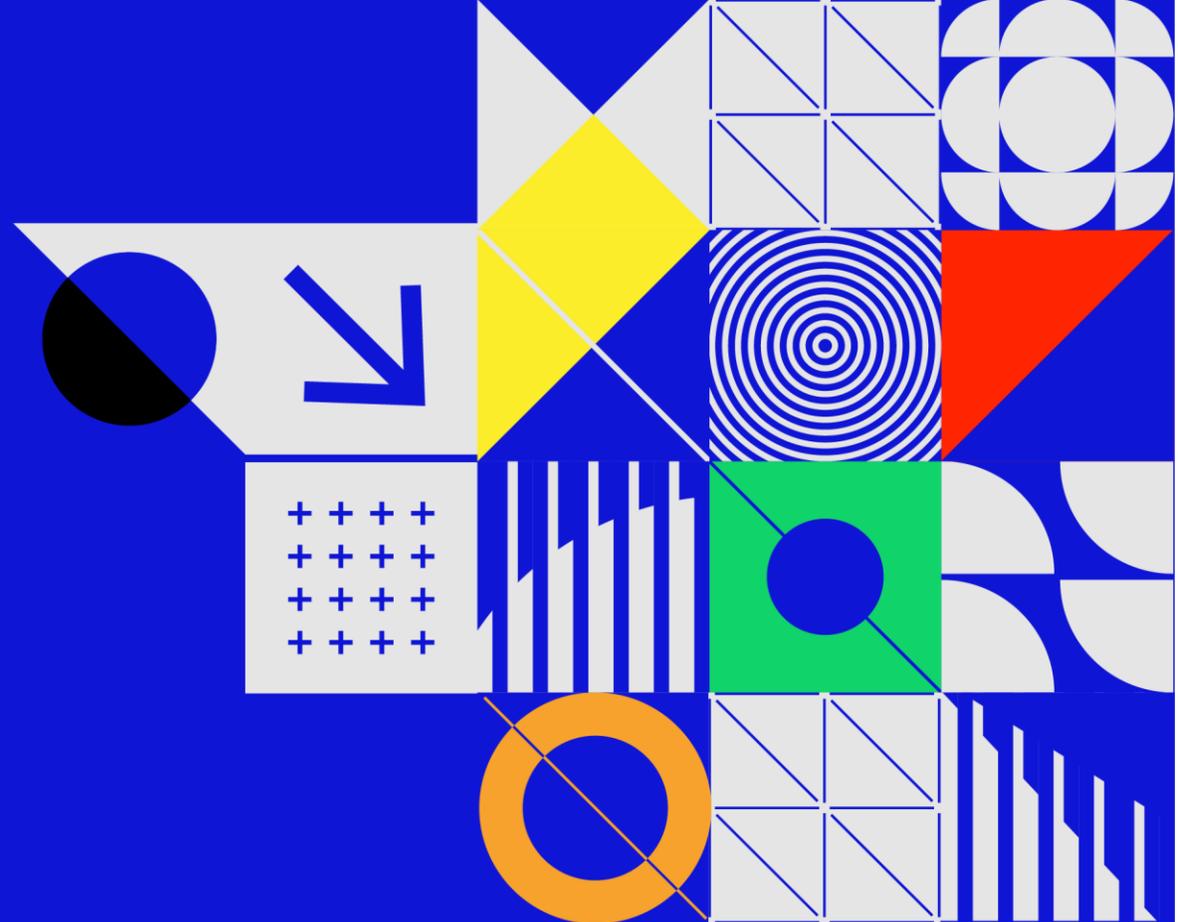


[General Presentation](#)

Disseminate, educate and empower!

Innovative Use of Health Data

*Translation of defined priority area B (Innovative use of health data) of the MWP 2018-2021 into actions
(incl. related specific requests made by the eHN)*





Work package 5

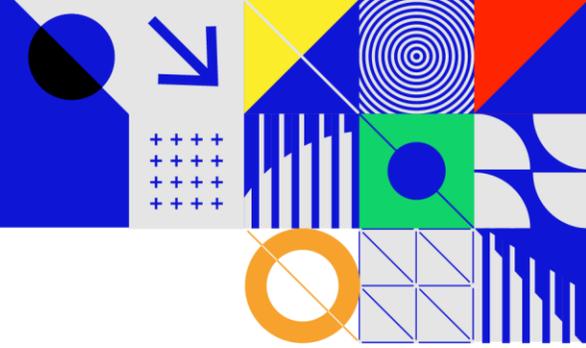
Innovative use of health data

- **eHEALTH NETWORK MULTIANNUAL WORK PROGRAMME 2018-2021**

- Innovative use of health data as a priority area
- Strengthen the awareness of the possibilities and potentially beneficial impact of big data in health by identifying best practices;
- Develop frameworks and common principles for realising the added value of big data in health;
- Support the creation of good governance principles, practices and methods in handling use of health data, including big data.

- **Expected key outcome:**

- Common principles to facilitate the development of innovative use of data projects at European Level.



Planned Outputs & Potential Impact

Outputs

(Expected Outcomes of the eHN MWP 2018-2021)

- Synergetic and coherent approach to patient access, sharing, and reuse of health data in the EU
- Increase awareness on the possible impacts, challenges, risks and directions of Big Data in healthcare
- Common vision and priorities for innovative use of data in healthcare
- Common principles to facilitate the development of innovative use of data projects at European Level

Impact

Recommendations of WP5 help eliminating obstacles to:

- Awareness raising of using Big Data in healthcare
- Develop common vision of innovative use of data in healthcare
- Governance and methodologies for innovative use of health data, including big data



Objectives

VISION - Where do we want to get? – What do we imagine?

- *Public health, research and quality assurance in healthcare take advantage of the benefits of using health data (primary and secondary use / innovative use)*

AIM - What do we wish to achieve to realise the vision?

- *Best practices and ideas how to overcome obstacles and challenges in taking advantage of benefits of using health data will be shared among policy makers and other key stakeholder groups*

OBJECTIVE - How do we wish to achieve the aim?

- *WP5 will deliver common principles for:*
 - *practical governance of big data / innovative use of health data*
 - *implanting available relevant recommendations and use cases*
- *Guidance for the implementation of the principles*

Enhancing Continuity of Care

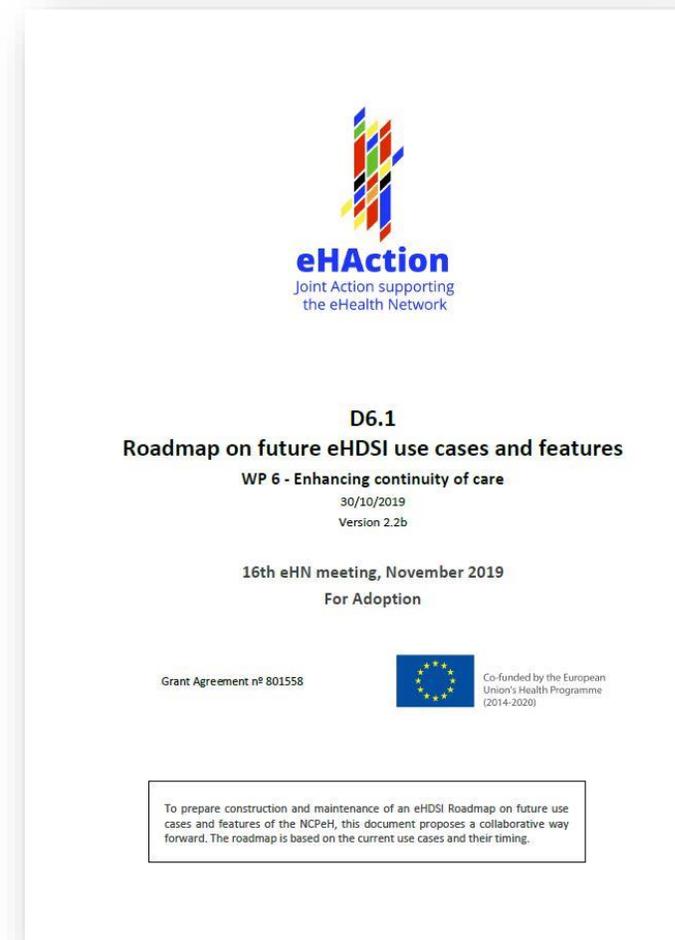


Translation of defined priority area C (Enhancing continuity of care) of the MWP 2018-2021 into actions (incl. related specific requests made by the eHN)

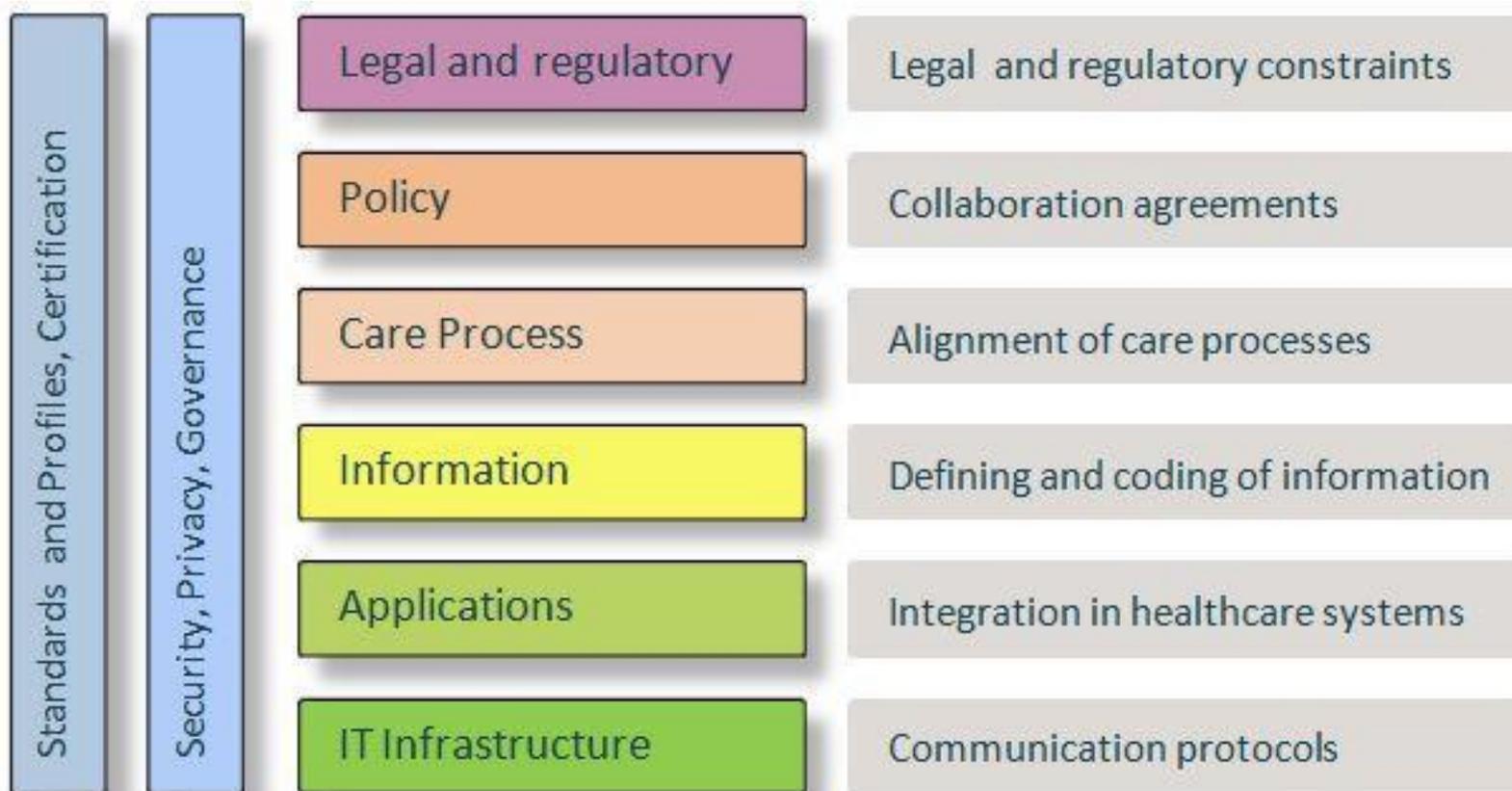


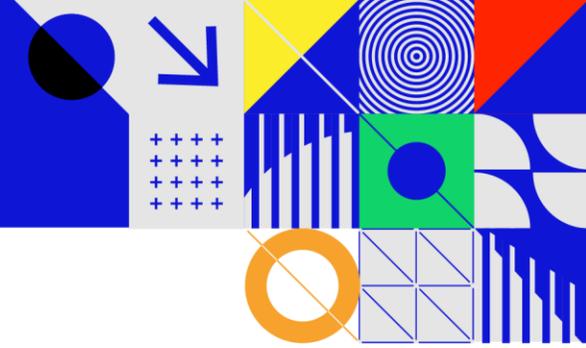
T6.1 Support the eHDSI uptake

- *D6.1 Roadmap on future eHDSI use cases and features* was adopted unanimously by the eHN in their 16th eHealth Network meeting.



The eHAction approach to the Roadmap





Communication, Community and User Engagement

Goal: Citizens, healthcare workforce, researchers, vendors and health systems (purchasers) join efforts, avoid duplication of work, in a connected and coordinated process.

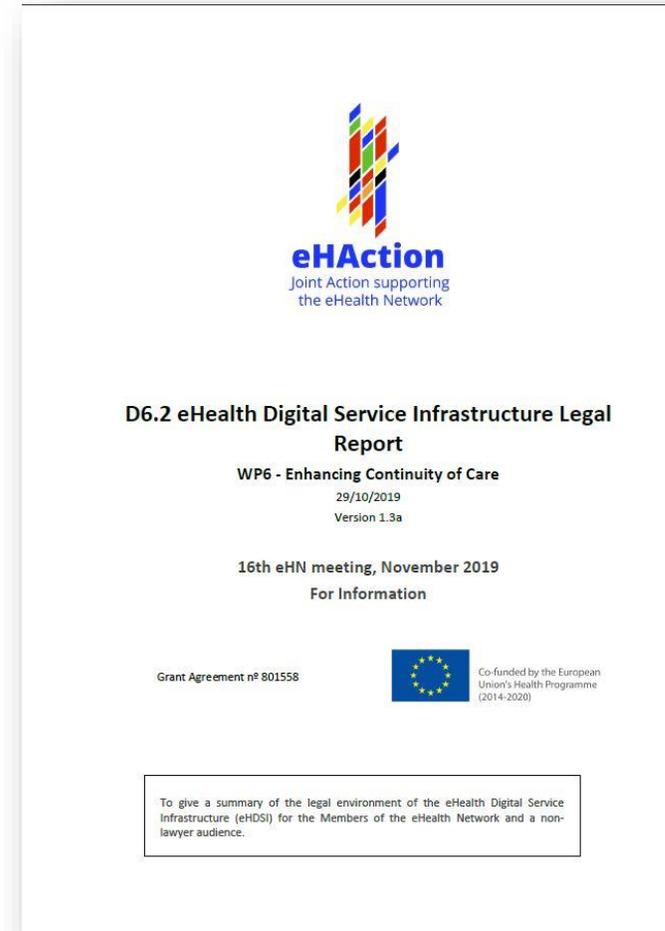
Objective: Stimulate the building and uptake of interoperable healthcare solutions by creating awareness and enthusiasm.

The evolution of the eHealth DSI aims at supporting new use cases and functionalities, which will be specified and prioritised in appropriate governance processes.

T6.2 Support of the legal eHDSI matters

- *D6.2 eHDSI legal Report* was acknowledged by the eHN in their 16th eHealth Network meeting.

To give a summary of the legal environment of the eHealth Digital Service Infrastructure (eHDSI) for the Members of the eHealth Network and a non-lawyer audience.





Overview

Task 6.3 “e-Skills for Professionals”

- Explores how e-skills competence frameworks may be used to assess and develop the e-skills of health professionals in a consistent and objective way,
- Identifying skills gaps and developing those skills to achieve a desired objective.

Competence Self-Assessment



Pilot Tool



Self-Assessed Competences		User Guide				
Each dimension is associated with a minimum of 2, and a maximum of 5 levels (e1 - e5).						
	Competence level is available for this dimension					
✓	User has self-assessed against this level					
		e-1	e-2	e-3	e-4	e-5
eHAction Pilot: Health - Run						
User support		✓				
Problem Identification and Management			✓			
eHAction Pilot: Health - Enable						
Information and Knowledge Management					✓	
Standards and Interoperability Requirements Adoption			✓			
eHAction Pilot: Health - Use						
Communication and Integrated Healthcare Solutions			✓			
Patient Access and Engagement Assistance to ICT Usage		✓				

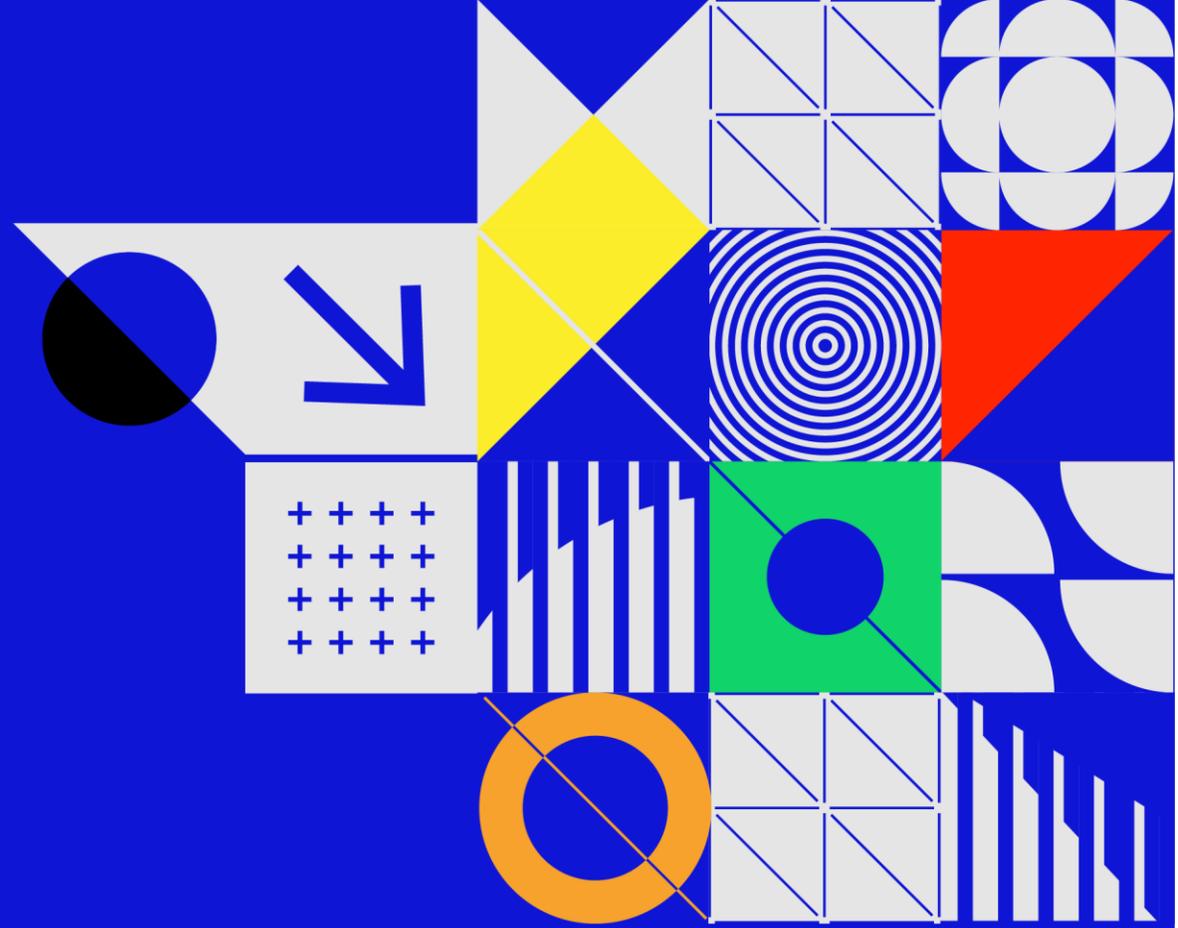
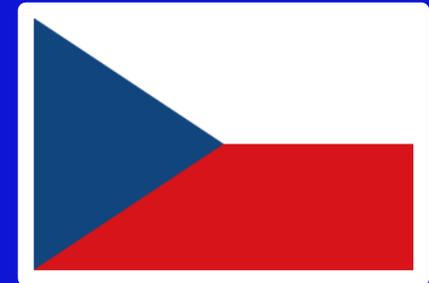


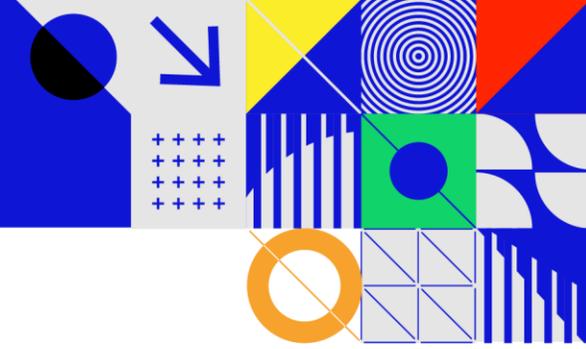
Call for future actions *(main)*

- Support for the implementation of e-skills in medical education
- Practical implementation of competence frameworks by medical universities.
- eHAction HISI Declaration about eSkills for professionals
 - signed by a number of academic institutions and the Department of Health.

Overcoming Implementation Challenges

Translation of defined priority area D (Overcoming implementation challenges) of the MWP 2018-2021 into actions (incl. related specific requests made by the eHN)





WP7

OVERCOMING IMPLEMENTATION CHALLENGES

Main activities

- Implementing interoperability guidelines
- Data protection
- Data Systems Security

[D7.1 Guidelines for IT interoperability](#)

[D7.2 Best practices report on data protection at national level](#)

[D7.3 Common security framework for eHealth](#)

Output: Addressing Implementation Challenges

- Two guidance documents: An Interoperability Guide and a Data and Systems Security Guide
- Integrated and linked under a common environment

Key Messages

- A solid model on how to bridge the future of interoperability and data security building on the knowledge from the past and revealing important policy messages to the Community
- *Outstanding Challenge*: From proof of concept to a sustainable process and supporting tool





WP7

OVERCOMING IMPLEMENTATION CHALLENGES

<http://ehaction.eu/wp7-overcoming-implementation-challenges/>

Implementing Interoperability

- A brief high-level guide to what interoperability is, its importance and the main areas of standardisation and quality that enable trustworthy data exchange and reuse.
- Policy messages for the EC, eHN, eHN subgroups



WP7 | OVERCOMING IMPLEMENTATION CHALLENGES

DOCUMENTS

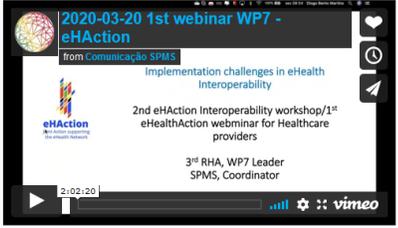
[D7.1 Guidelines for IT interoperability](#) **Download**

[D7.2 Best practices report on data protection at national level](#) **Download**

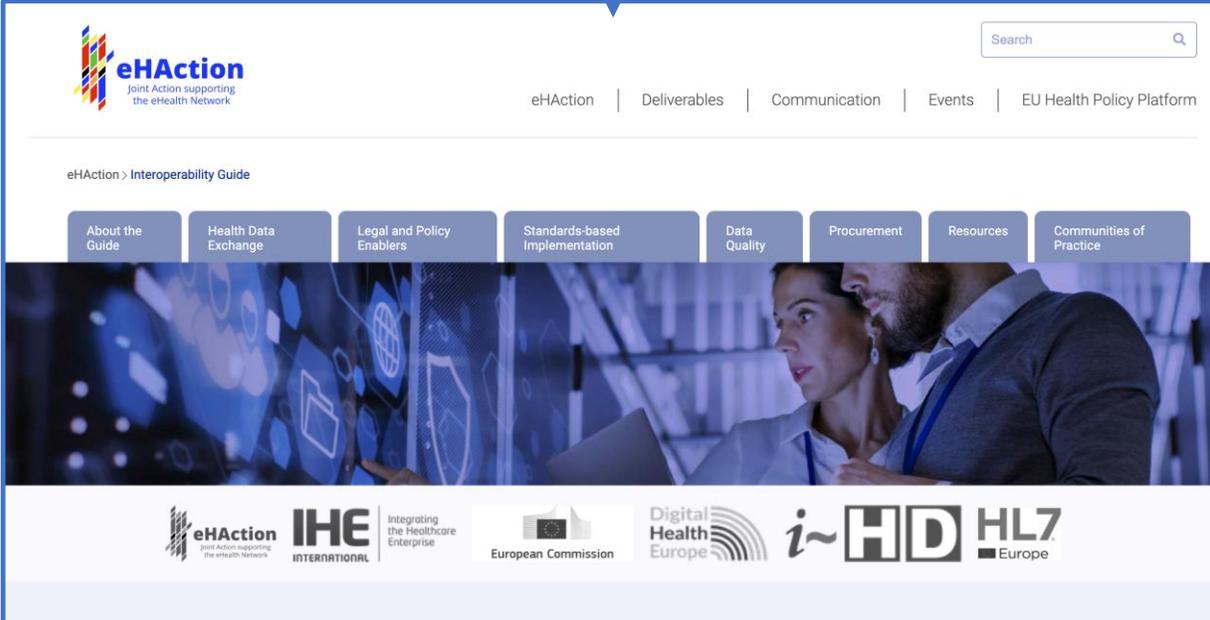
[D7.3 Common security framework for eHealth](#) **Download**

WEBINARS

2020/03/20
2nd eHAction Interoperability workshop
1st eHealth Action webinar for Healthcare providers



2020/04/21
2nd eHAction Interoperability workshop
2nd eHealth Action webinar for Healthcare providers



eHAction logo and navigation menu: eHAction | Deliverables | Communication | Events | EU Health Policy Platform

Search bar

eHAction > Interoperability Guide

Navigation tabs: About the Guide, Health Data Exchange, Legal and Policy Enablers, Standards-based Implementation, Data Quality, Procurement, Resources, Communities of Practice

Footer logos: eHAction, IHE INTERNATIONAL, Integrating the Healthcare Enterprise, European Commission, Digital Health Europe, i-HD HL7 Europe

WP7

OVERCOMING IMPLEMENTATION CHALLENGES

eHAction | Deliverables

navigate the different guidance documents that have been delivered by EU-level collaborative expert teams or Member State representatives and ENISA primarily.

Data and systems Security Guide

Good Practices

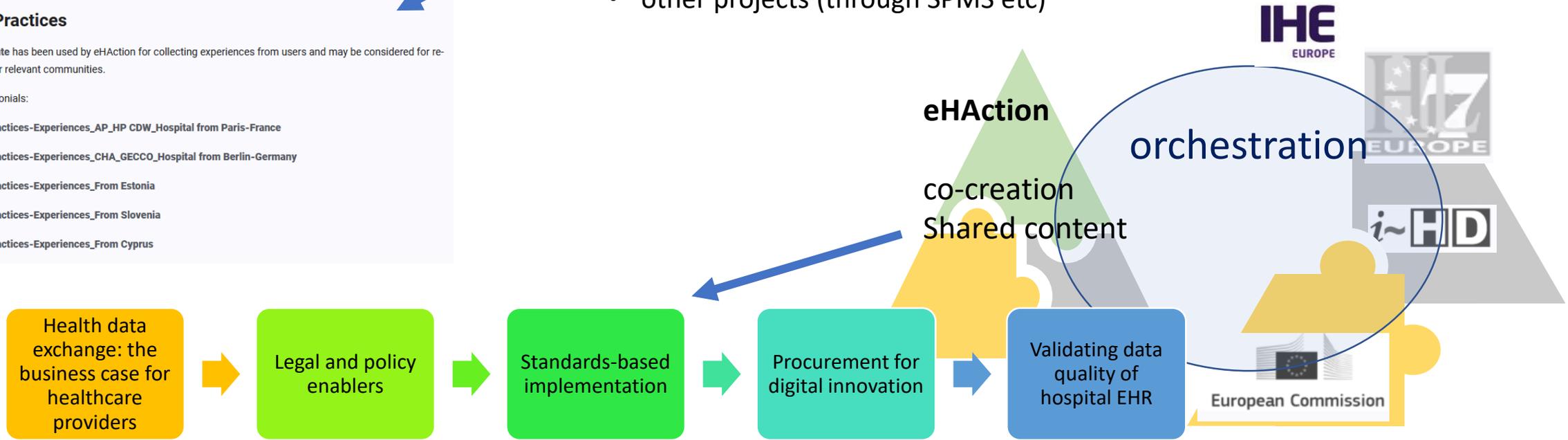
This template has been used by eHAction for collecting experiences from users and may be considered for re-use by other relevant communities.

New testimonials:

- 1) Good Practices-Experiences_AP_HP CDW_Hospital from Paris-France
- 2) Good Practices-Experiences_CHA_GECCO_Hospital from Berlin-Germany
- 3) Good Practices-Experiences_From Estonia
- 4) Good Practices-Experiences_From Slovenia
- 5) Good Practices-Experiences_From Cyprus

Cocreation, Public consultation & Continuous feedback

- eHSG through the EC
- 3rd trusted parties (IHE, HL7, i~HD)
- eHealth competence centers (through the eHA consortium)
- Hospital Networks (eHAction WP7 health care providers' network, I~HD, IHE user communities);
- other projects (through SPMS etc)





WP7

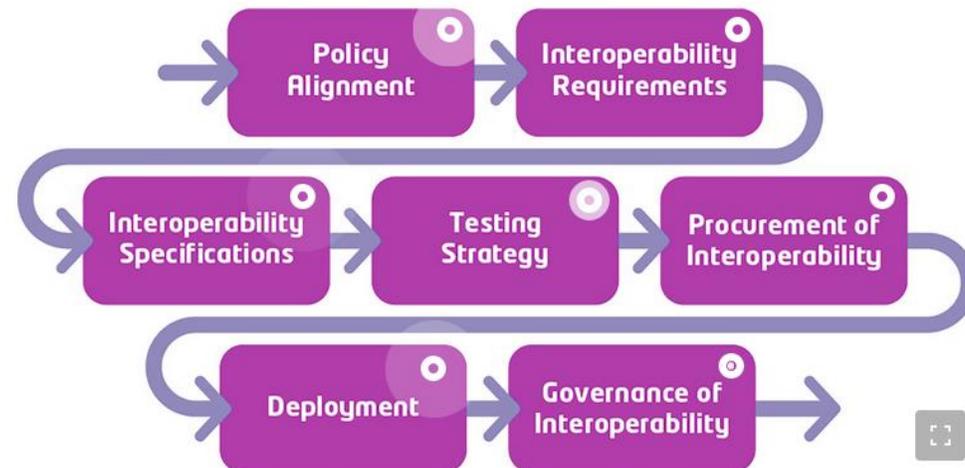
OVERCOMING IMPLEMENTATION CHALLENGES

Main activities

- Implementing interoperability guidelines
- Data protection
- Data Systems Security

Key message: Sustainability

- Success through ensuring sustainability & stewardship of the work as the Guide is maintained as an eHealth Network co-ordinated activity and meanwhile will be inherited to X-Health CSA or TEHDAS JA or another relevant project.
- Potential to support the goals of the **National Digital Health Networks (NDHNs) initiative**



https://www.ihe-europe.net/ihe-in-europe/use_case_implementation

✓ a jump to future interoperability in a solid pathway on how can we achieve



WP7

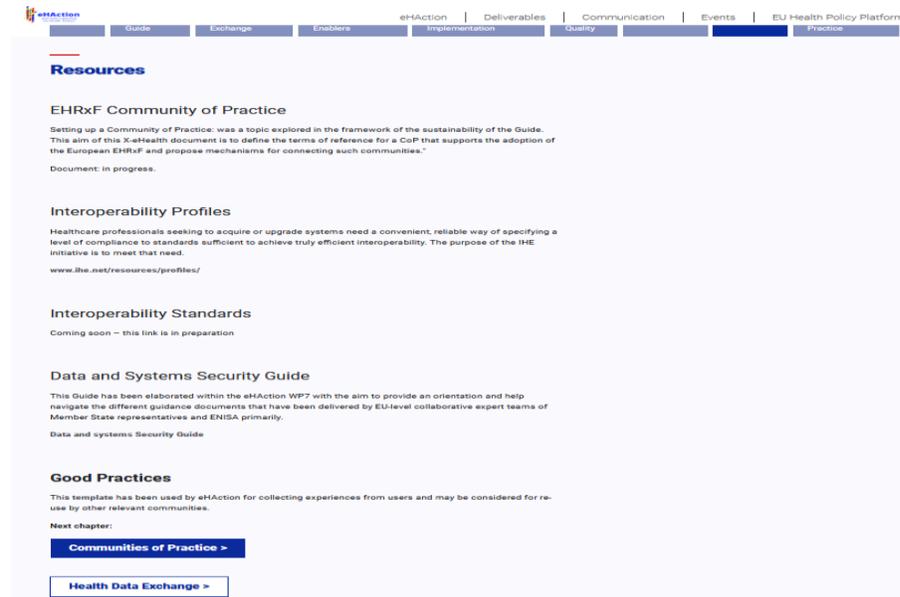
OVERCOMING IMPLEMENTATION CHALLENGES

Main activities

- Implementing interoperability guidelines
- Data protection
- Data Systems Security

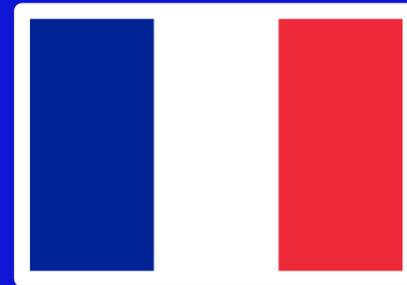
Data and Systems Security Guide

- A sustainable “live” Cybersecurity Guide as an “one-off deliverable”, published in the website of Interoperability Guide (<http://ehaction.eu/data-and-systems-security-guide> via the ‘Secure access to electronic health records’ section, under the Health Data Exchange part of the Guidance)
- Enables the “accessibility” of relevant contents to interoperability as is the data and systems security guide



WP8

eHealth National Strategies and Sustainability



WP8 | eHealth National Strategies and Sustainability



Leader: [MoH-FR](#)

Co-Leader: [SPMS](#)

WP8 was a European Commission's mandatory Work Package aimed at preparing the *continuity of cross border policy cooperation post 2021.*

WP8 Tasks:

- T8.1 National and international eHealth strategies
- T8.2 Policy document about technology report
- T8.3 Post 2021 scenarios for eHealth policy cooperation

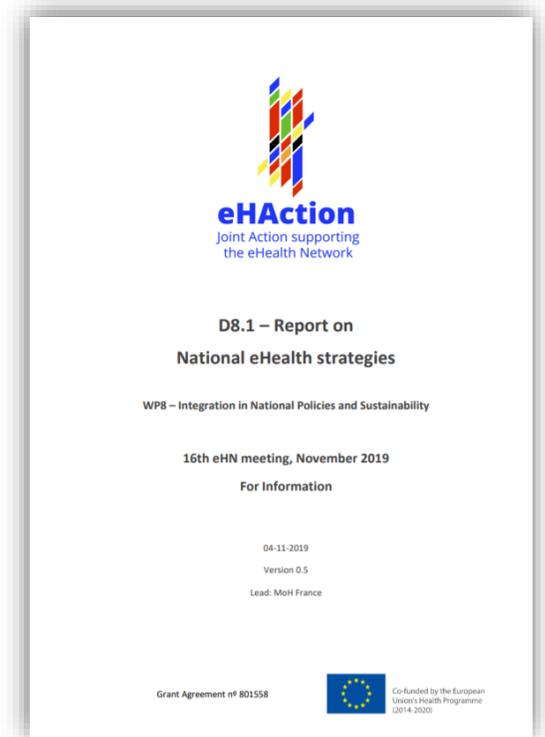
T8.1 | National and international eHealth strategies

Approach Strategy

→ To gain an understanding of where we are as a group of Member States

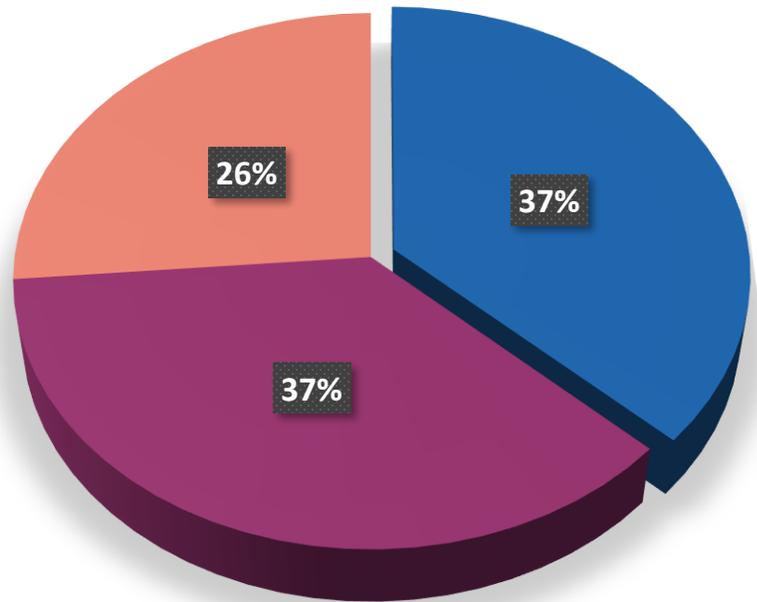
➤ Tool

1. A schematic description of the organisation of the health system in each country
2. The national health programmes landscape and the links with the organisations
3. A detailed list of the programmes and initiatives included in the national eHealth strategy



Output: [D8.1 Report on National eHealth strategies](#)

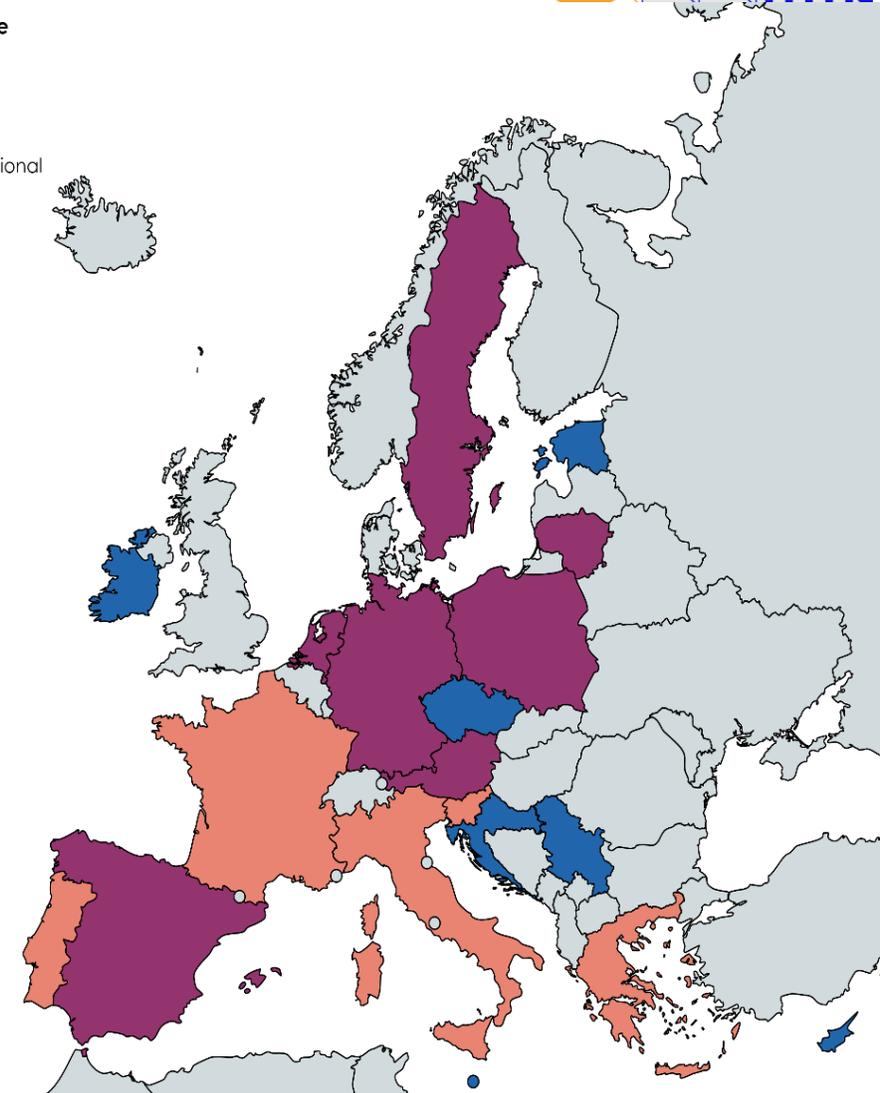
T8.1 | National and international eHealth strategies

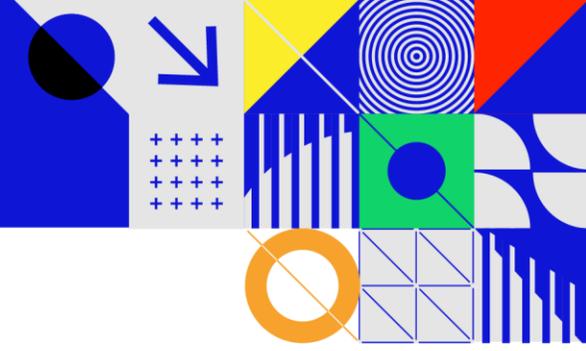


- Only 7 countries have **National Strategies** (Czech, Croatia, Ireland, Malta, Serbia, Cyprus, Estonia);
- 7 Countries have **Strategies focussed on a regional level** (Sweden, Spain, Lithuania, Poland, Austria, Germany, Netherlands);
- 5 Countries utilise **Strategies at a local level** (France, Greece, Portugal, Slovenia, and Italy).

EU Member States governance strategy for eHealth cooperation

- National Strategies
- Strategies focussed on a regional level
- Strategies at a local level





T8.2 | Policy document about technology report

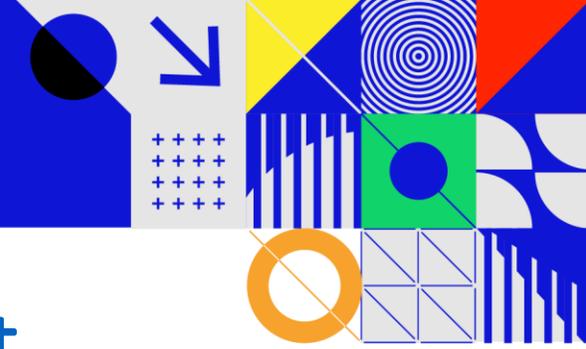
Approach Strategy

- To further improve eHealth interoperability in the EU
- Formal invitation to all MS/Country to nominate an expert to engage in discussions

➤ 4 working groups

1. ***European Electronic Health Records exchange Format (EHRxF)***
2. ***Common Semantic Strategy for eHealth in the EU (CSS)***
3. ***European eHealth Reference Architecture (eHRA)***
4. ***Common eID Approach for Health in the EU (eID)***





T8.2 | Policy document about technology report

EHRxF

Reach a general agreement on a common set of standards needed for EHRxF interoperability.

Output:
[Recommendation](#)

CSS

Come up with a solid proposal for a five-year strategy.

Output:
[eHN SG on Semantics](#)

eHRA

To assist MS developing / deploying eHealth programmes.

Output:
[Enhance the Health eGovERA Framework](#)

eID

Present the basis and the rationale for a common approach in eID for health, at European and national levels.

Output:
[Guiding Principles towards a EU eID](#)

T8.3 | Post-2021 scenarios for eHealth policy cooperation

Approach Strategy

- Acknowledge eHAction is the 3rd and last JA supporting the eHN
- To present the eHN with the eHAction's vision for the continuity of cross border policy cooperation post-2021.

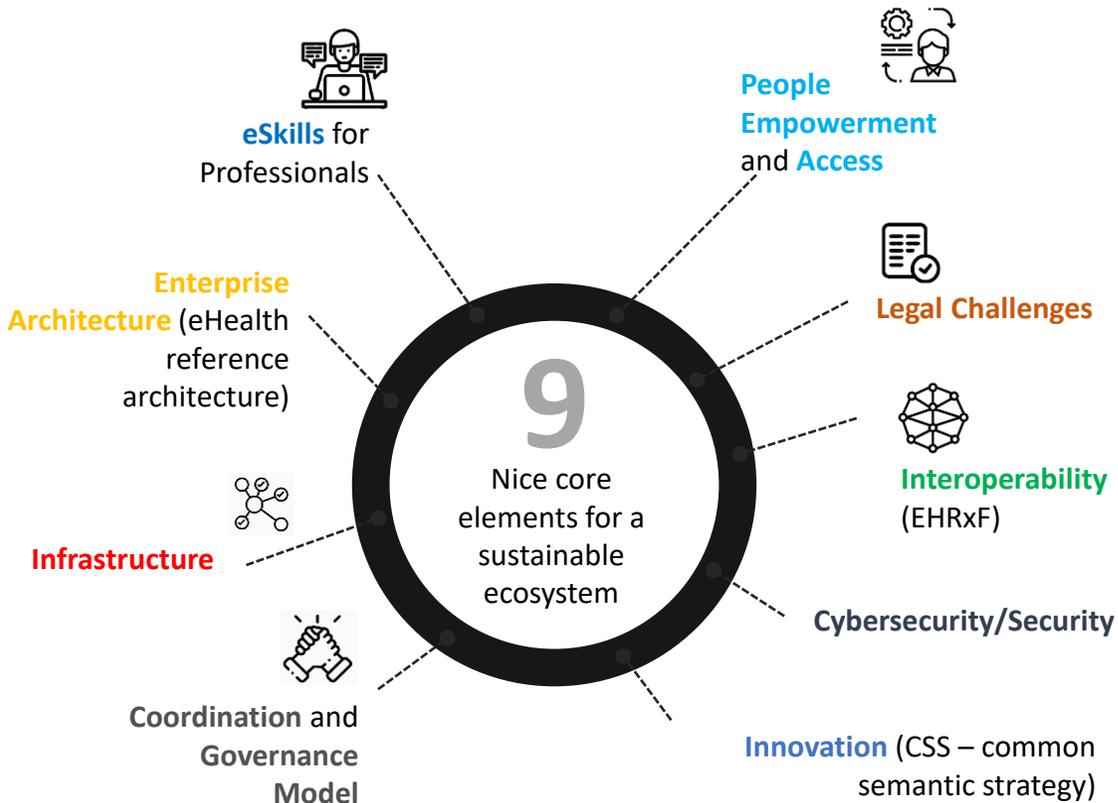
➤ Document organisation:

- I. Sustainability of policy cooperation
- II. Integration in national policies
- III. Nine enabling core elements
- IV. Framing sustainable post-2021 policy cooperation
- V. Recommendations for Post-2021



From Groundwork to Structural Action

9 core elements for a Sustainable Ecosystem



5 key Features



4 Clusters of Recommendations





eHAction Work for the future of EU Policy Cooperation

- **Organisational Commitment**
 - To build the right instruments for achieving organisational goals in eHealth.
- **Building Networks**
 - Concepts and practices to ensure collaboration between stakeholders.
- **Raising Awareness**
 - To promote knowledge and understanding among citizens, healthcare professionals, at policy and strategy levels.
- **Financial Support**
 - Highlighting the needed financial investment to achieve an interoperable ecosystem.
- **Legal Landscape**
 - Context on the current legal framework upon which eHealth policy cooperation takes place in the EU.



eHAction Work for the future of EU Policy Cooperation

A – Recommendation to the eHN, supported by the European Commission

- Continue to adopt the MWP, which could involve the assessment of new mechanisms/solutions
- Elaborate long-term scenarios for collaboration until 2030 and a possible way forward to work as a network.
- Promote an Annual Sustainability Forum on eHealth.
- Organisational sustainability upholding eHealth policy cooperation

B – Establishment of a Centralized Portfolio Management Office

- Centralised repository
- Align political priorities with technical implementation, through an established framework
- Promote a joint agenda for EU Digital Services

C – Recommendations to support existing/building Networks

- Community of practice (i.e. learning community)
- National competence centres coordinating local and domain specific activities with the Portfolio Management Office (top-down), linking that with Communities of Practices activities (bottom-up)

D – Recommendations for National Action

- Adopt Ability-Motivation-Opportunity Framework
- Enhance national capacity to embed eSkills competences into professional development criteria at all levels of Health science education



Handover (future projects)

European Projects

eHealth Projects and Initiatives Landscape



eHAction Work for the future of EU



Main eHN's subjects discussed throughout the years

2012 2013 2014 2015 2016 2017 2018 2019 2020

Legal issues
telemedicine

CEF

Implementation eHDSI

COVID-19

Exchange personal
health data

eID for cross-border

Tele
health

eHealth Standardization and Interoperability

EHRxF

AI in
healthcare

mHealth

Joint Coordination
Process

EU Investment
programs

Digital
Single
Market

Telemedicine

Big Data

eHAction

Immunization /
Vaccination

Interoperability

2ndary use health data

EU eHealth
Strategy

CSS

EU Health
Data Space

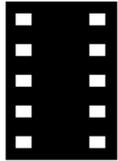
eHealth Cybersecurity



WP2

Dissemination





**WE'VE COME A LONG WAY OVER
THE PAST 3 YEARS.**



<https://vimeo.com/577491527/502d96a57e>

Other very important Structures



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Talking: Diogo Gomes

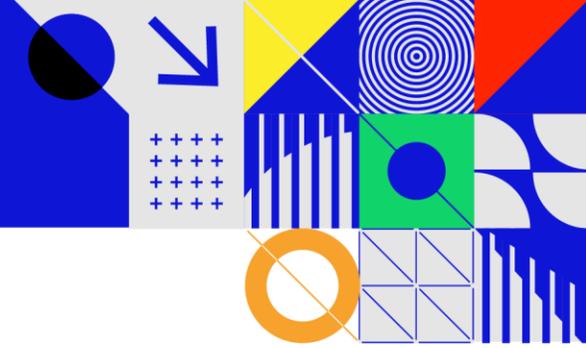
View Everyone

51



José Dias	Anderson Ca...	MIS Marijana Ilic ...	VR@P Vanessa Ribe...	ZD Zdislav Dole...	KJ Klara Jirakova	M Marton/SU	VV Vanessa Vian...	M MG
MOH-FR Isa...	ER Ene Rebane	Marcello Mel...	UiO- Eva Turk	II Ivan Ivanovic	Diogo Bento...	Kathrin Trun...	CSP Cátia Sousa ...	VP Vanja Pajić (e...
Beatrice Klug...	IC István Csizm...	CG G Christof Gess...	Karlijn de Br...	FG 1 Francesco Gi...	Hrvoje Jezidz...	Alberto Zani...	UiO - Line Lø...	GC E Giorgio Cang...
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Catherine Ch...	Caitriona Wray	João Cunha	M Mary	Alexander Be...	AB Ana Batista	Inês Antunes...	3 3rdRHA_IT	VS Vasos Scoute...
FS Flávio Soares...	MFAC MoH-FR Alex...	HB Hugo Beleza	Diogo Gomes	VKK Vesna Kronst...	Sílvia Ramos			

Other very important Structures



WP1 – Project Coordination



Quality Management



Risk Management

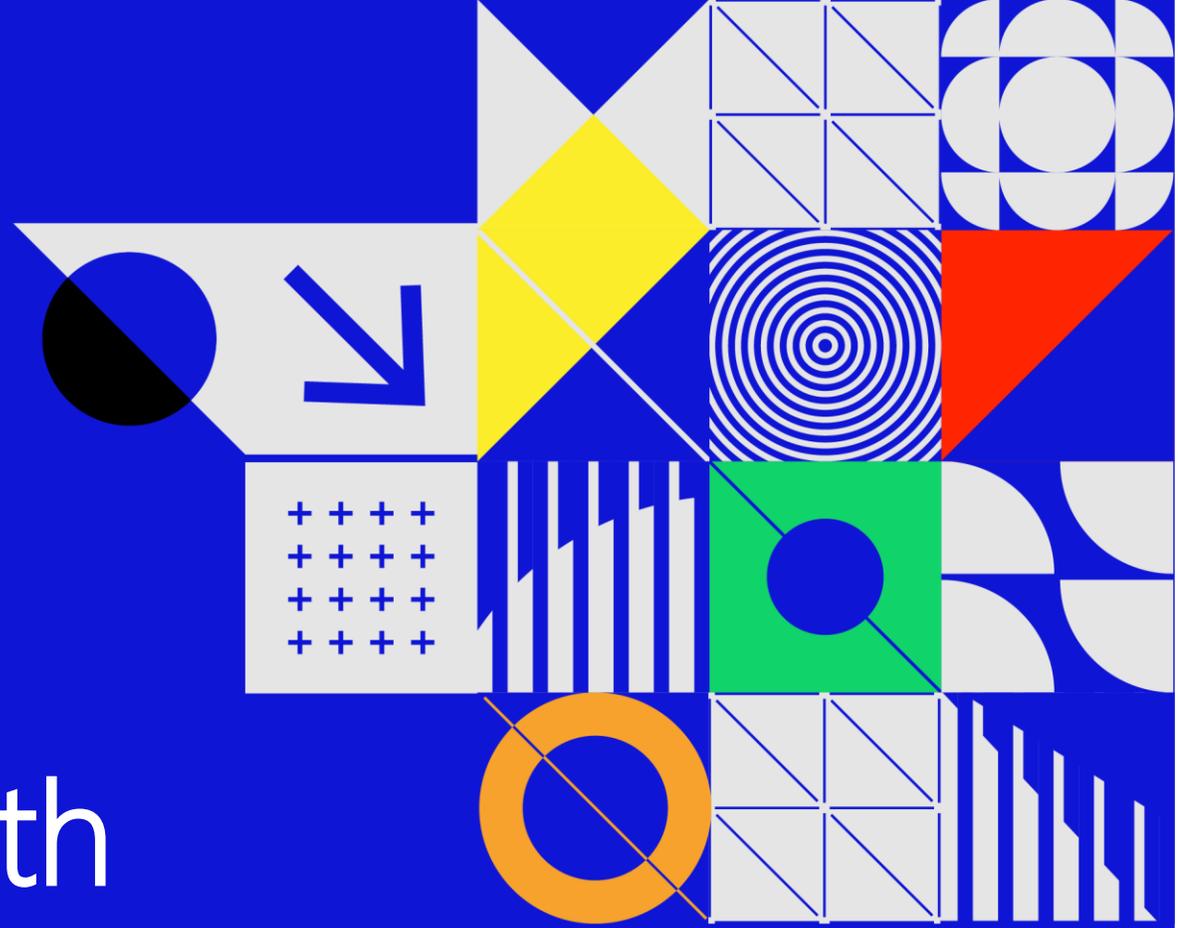


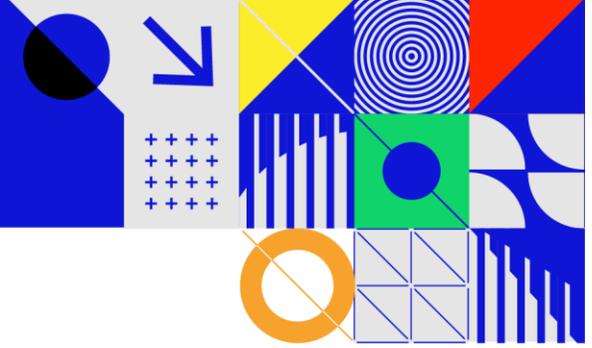
WP3 – Evaluation



Thoughts on Future Member States eHealth Cooperation

European Projects | European Commission | eHealth Network Discussion, Brainstorming and Q&A





<https://svava.app/>

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DGKDUK

Join now



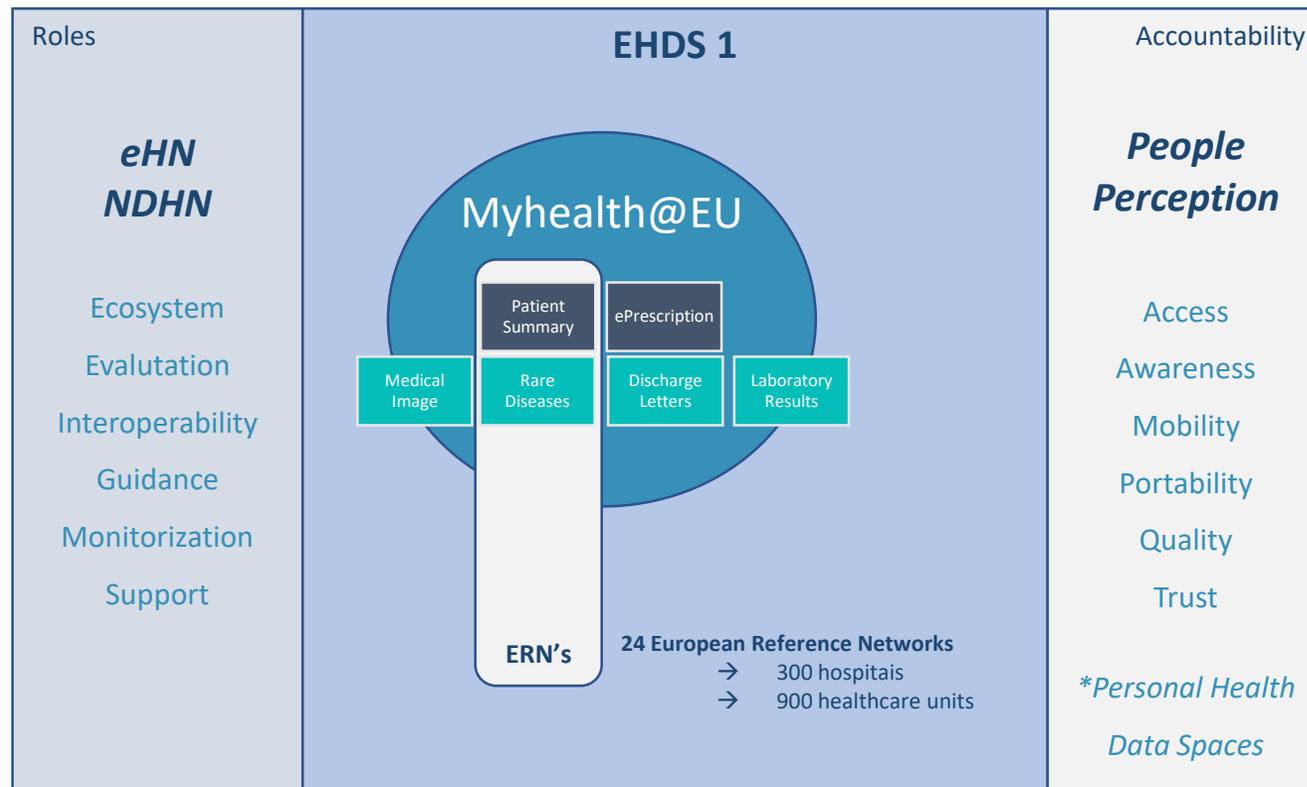
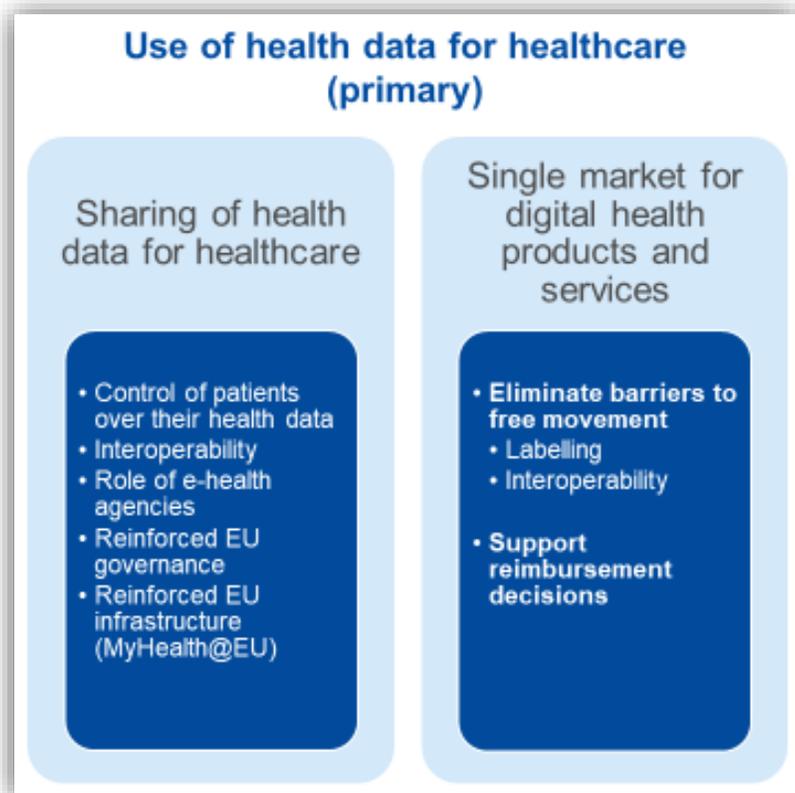
Topics for discussion

- Collaborative way of working
- Collaboration, not harmonization
- Further integration and alignment of different national views in international projects
- How do you envisage the future collaboration post eHN Joint Actions?
- How do you outlook the future of eHealth in the next Multiannual Work programme?

... to accomplish the Digital Single Market.

Towards the European Health Data Space

- What can we learn from other initiatives to make further progress in the use of health data for healthcare (EHDS1)?

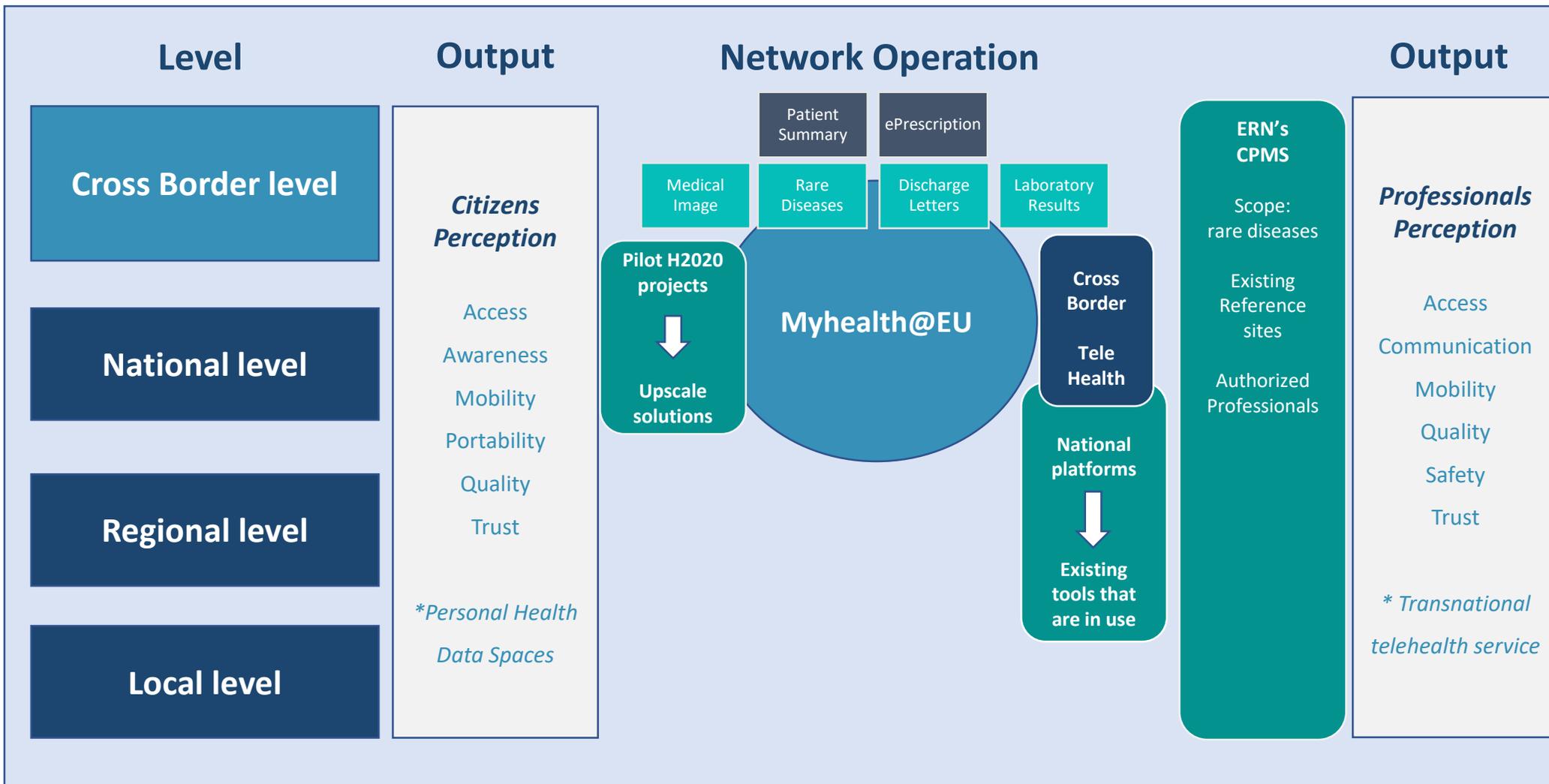


Towards the European Health Data Space



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EHDS 1



Unmet activities

- Systems Interoperability
- Hospital or Reference sites network
- Identification of Professionals/Authentication
- Access to health data
- Medical Procedures or clinical protocols
- Skills & organisational culture
- Legal basis, consent & PIN

eHAction | Open Questions?

Ask us anything about EU projects!



AOB

Any New Ideas Raised?





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Thank you for your attention!

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