eHealth interoperability
A European perspective

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What is our vision?

eHealth Action Plan 2012-2020 - Innovative healthcare for the 21st century

• Achieve wider interoperability in eHealth services

• Communication from the European Commission: COM(2012) 736 final “From 2012 onwards the Commission will support the eHealth Network in producing guidelines on a dataset for patient summary records to be exchanged across borders, common measures for interoperable electronic identification and authentication in eHealth and will enhance security of health information and eHealth services and interoperability of databases for medicinal products.”

• ....

• Propose an EU interoperability testing, quality labelling and certification framework for eHealth systems.
€80 billion
Biggest EU research and innovation programme

€7 billion
For Health, Demographic Change and Wellbeing Challenge
Health & Well-Being Unit

We support R & I ca 100M€/year

Horizon 2020
Connecting Europe Facility

€1 billion for CEF Telecom out of which 870 million euros are dedicated to Digital Service Infrastructures (DSIs) delivering networked cross-border services for citizens, businesses and public administrations.
Digital Single Market Strategy

Commission priority

"It's time to make the EU's single market fit for the digital age – tearing down regulatory walls and moving from 28 national markets to a single one. This could contribute €415 billion per year to our economy and create hundreds of thousands of new jobs".

President Juncker – 6th of May 2015
Why the Digital Single Market?

• The global economy is rapidly becoming digital
• Changes in our society are happening at a very fast pace and require European solutions
• Improve cross-border opportunities for businesses and citizens
• Keep the EU on an equal footing with other major world economies

Focus on limited number of coherent, high-impact initiatives
Creating a #DigitalSingleMarket

- e-commerce
- parcel delivery
- geo-blocking
- copyright
- VAT

- telecoms and media
- online platforms
- security and personal data

- data economy
- standards
- skills and e-government

Access
Environment
Economy and Society
Digitising European Industry

"The industrial revolution of our time is digital. We need the right scale for technologies such as cloud computing, data-driven science and the internet of things to reach their full potential. As companies aim to scale up across the Single Market, public e-services should also meet today’s needs: be digital, open and cross-border by design. The EU is the right scale for the digital times."

Andrus Ansip, Vice-President for the Digital Single Market – 19th of April 2016

"Europe has a very competitive industrial base and is a global leader in important sectors. But Europe will only be able to maintain its leading role if the digitisation of its industry is successful and reached fast. Our proposals aim to ensure that this happens. It requires a joint effort across Europe to attract the investments we need for growth in the digital economy."

Path to digitise European industry

Set of measures to help European industry, researchers and public authorities make the most of new technologies:

- Priority standards to boost digital innovation
- Modernise digital public services: An eGovernment action plan
- The European Cloud Initiative to give Europe's researchers and a virtual environment to store, manage, analyse and re-use a big amount of research data
Digitising European Industry

To coordinate EU national & regional initiatives such as Industrie 4.0 (DE), Smart Industry (NL), L’industrie du futur (FR)

Mainstreaming digital innovation across all sectors:
Setting up a pan-European network of Digital Innovation Hubs

Strengthening leadership in digital technologies
- Public-Private Partnerships
- Industrial platforms
- Large scale pilots & test beds

Preparing People for the digital age: Skills & Training
- Regulatory framework:
  - Free flow of data & data ownership
  - Safety & liability of autonomous systems & Internet of Things

Challenges & opportunities of the Internet of Things

CLOUD
European Cloud Initiative in a data-driven economy:
- European Open Science Cloud
- European Data Infrastructure
- Widening access & building trust
- High Performance Computing
- Quantum

STANDARDS
Fast development in 5 priority areas:
- 5G
- Cloud Computing
- Internet of Things
- Data Technologies
- Cybersecurity

DIGITAL PUBLIC SERVICES
eGovernment Action Plan:
- New Digital Single Gateway
- eJustice Portal
- “Once-only” principle in Administrations
- Cross-border Health services
- eProcurement & “Once-only” in public procurement

To focus investments
(Horizon 2020, EU Investment Plan, EU Structural & Investment Funds, national & regional funds, private sector)

Mobilising €50bn of public & private investments
Actions on eHealth

- Support Member States in the development of cross-border eHealth services
- Foster deployment of telemedicine and tele-monitoring, in particular in the context of the European Reference Networks
- Support Member States in developing a report and a recommendation on patients' access to their health data
- Develop guidelines on the security, safety and interoperability of mHealth apps
- International standardisation activities related to the IDMP and the International Patient Summary
The building blocks represent a massive investment since their creation by the Large Scale Pilots. As their user base grows, the Commission is already working on their sustainability beyond CEF.
Timeline eHealth large scale deployment

2008
EPSOS

2013
Patient Summary Guidelines

2014
ePrescription Guidelines

2015
reEIF

2015
IHE profiles identification

2016-2020
CEF eHDSI

2017-...
PCP - PPI

2018-2020
H2020 WP
Aim: Call for experts for a project aiming at the development of a European Standard and a CEN Technical Specification on Patient Summary, based on the ongoing international activities on International Patient Summaries.

Through this open call for Project Team experts, CEN invites applications (by filling in the Application form) from experts who would like to support the standardization work on:

- European Standard (EN) for the Patient summary;
- CEN Technical Specification (CEN/TS) for the implementation guide for the Patient Summary.

Interested candidate experts are kindly requested to send their applications by using the application form, to Shirin Golyardi (shirin.golyardi@nen.nl), CEN/TC 251 Secretary by 2016-07-08.
THANK YOU!

http://ec.europa.eu/digital-agenda/ehealth
http://bit.ly/eHealthinFocus

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