EHTEL
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European Vision for Digital Health

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Health Priorities in the Digital Single Market Strategy

Commission: Mid-Term Review of the Digital Single Market Strategy, May 2017

European Commission

25 April 2018: the "Data Package"

- Towards a common data space in the EU for new products and services based on data

  - *Review of the Directive on re-use of public sector information*
  - *Results of the evaluation of the Database Directive*
  - *Sharing of private sector data*
  - *Artificial Intelligence*
  - *Simplifying legal framework for .eu*
  - *Transparency and fairness for platform users*
  - *Online disinformation – Code of Practice*
  - *Communication on digital health and care*

Subsidiarity and cooperation

Patients' rights in Cross-border Healthcare

The Directive – A major step towards a Europe for Health

1. clarifies the rights of patients who seek reimbursement for care received in another Member State;
   and enhances information to patients

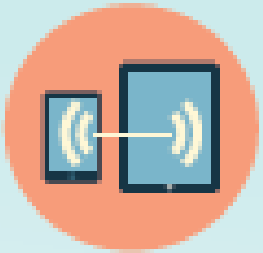
2. provides a legal framework for the cooperation of Member States
   1. *Recognition of prescriptions*
   2. *eHealth*
   3. *European Reference Networks*

Digital Single Market Strategy (May 2015)

- The European Commission has **placed digital at the core of its strategy**, by setting the Digital Single Market as **one of its 10 priorities**
- The aim is to **open up digital opportunities** for people and business and to make the EU's single market **fit for the digital age**

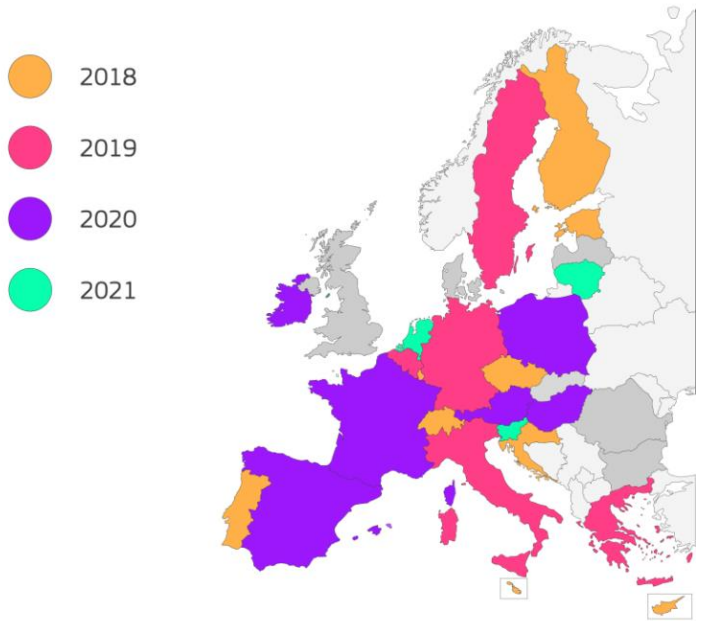
European Commission

1 Secure access and exchange of health data



- ***Progressive exchange of e-prescriptions and patient summaries across EU Member States***
- ***Increased interoperability & exchange of Electronic Health Records***
- ***Implementing Decision and Commission Recommendation***

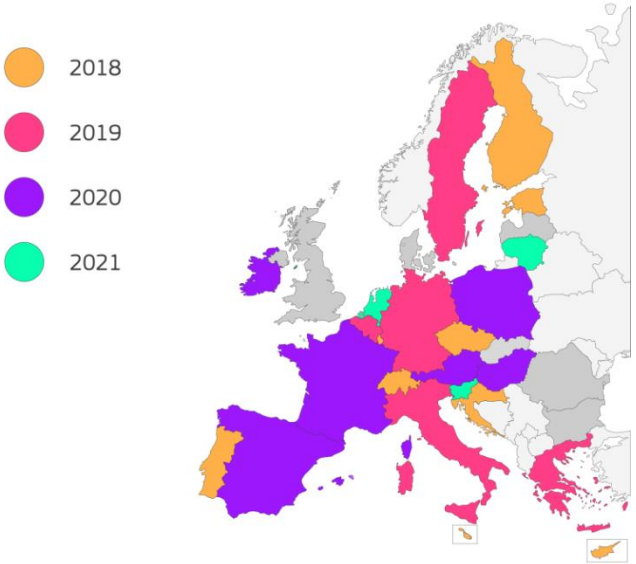
Giving citizens better access to their health data

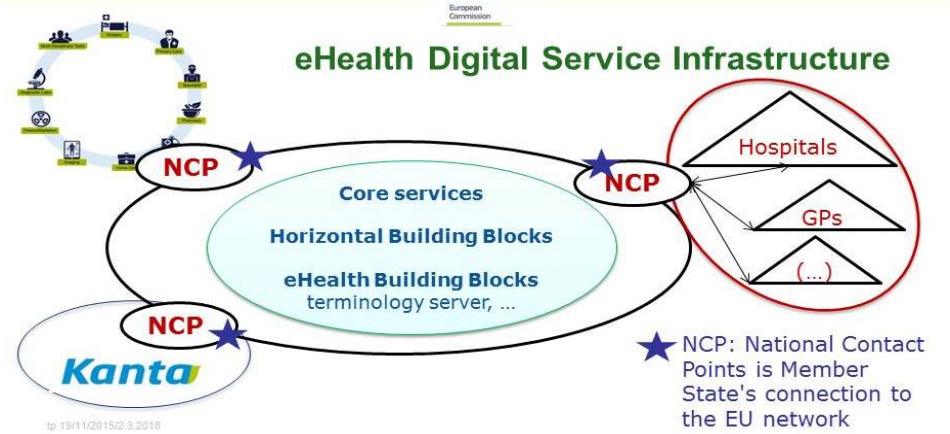


The eHealth Digital Service Infrastructure (eHDSI) enables exchange of patient data across borders

- **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

eHealth DSI builds cross-border exchange

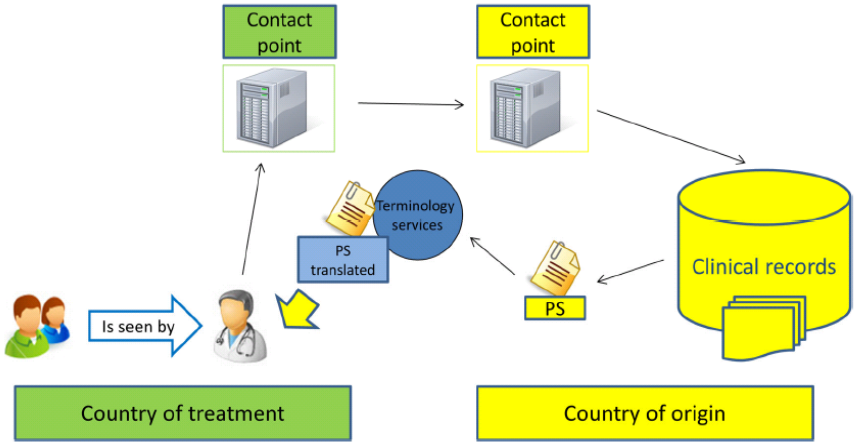




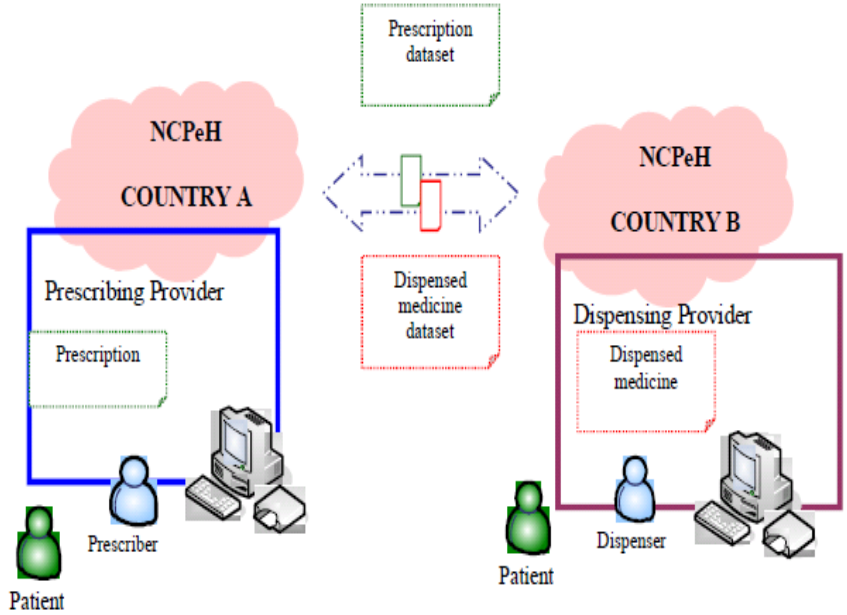
PROPOSED EU ACTION

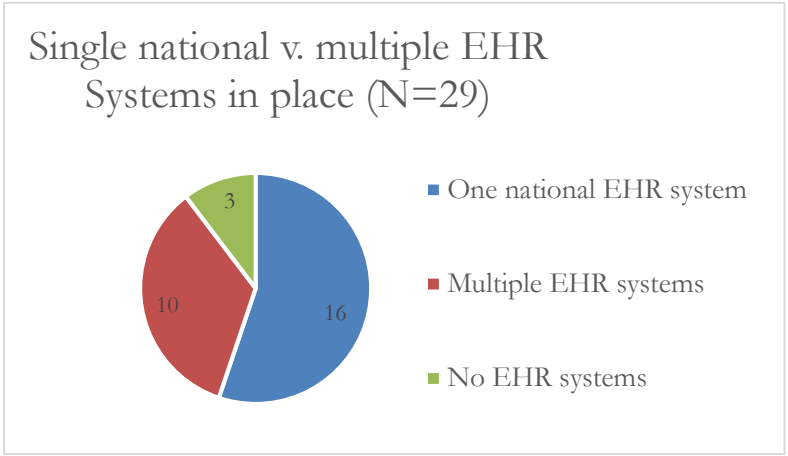
Clarify basis for the eHealth DSI and create new services, such as exchange of EHR

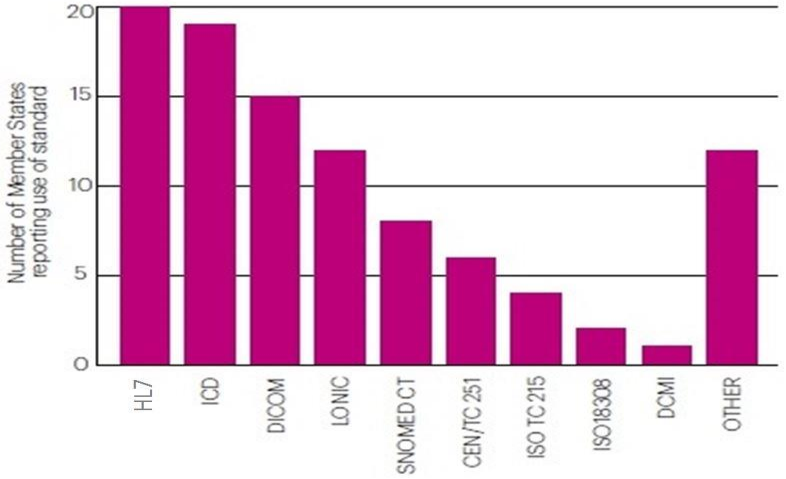
Exchange of patient summaries and e-prescriptions



The patient feels sick and seeks healthcare in a country that is not his/her country of origin. The most frequent situation is that the health professional has no prior clinical information about that patient and it is not expected that his visit will be repeated. They will not normally have a language in common.







PROPOSED EU ACTION

Enable Citizen access and ability to use health data securely across-borders through the European electronic health record exchange format

Review of Implementing Decision 2011/890/EU

"In order to:

- *clarify the role of the eHealth Network in the governance of the eHealth digital service infrastructure and its operational requirements,*
- *as well as to improve the interoperability of patient data and access by the citizen. "*

Electronic Health Record Exchange Format (EHRXF)

- Essential for interoperability of electronic health records

- ***Upcoming COM Recommendation***
  - Developed with Member States and eHealth Network
  - Governance structure within eHN to adjust EHRXF

European Commission

2 Health data pooled for research and personalised medicine

- ***Pooling EU data resources, mechanism for voluntary coordination***
- ***Develop technical specifications for secure access and cross-border exchange of genomic and other health datasets***
- ***Pilot actions for rare and infectious diseases, and real world data***

Declaration for delivering cross-border access to **genomic database**

- 1 million **genomes accessible** in the EU by 2022
- **Linking access** to existing and future genomic database across the EU
- Providing a sufficient scale for **new clinically impactful** results in research

Global Personalised Medicine Initiatives (Genomic data)

China
100 million genomes and € 7.9 billion planned investment

United States
1 million genomes and € 3.8 billion planned investment

PROPOSED EU ACTION

1 million genomes **accessible** in the EU by 2022 through a secure and trusted data infrastructure
privacy & security by design

France
235.000 genomes

UK
100.000 genomes

Estonia
Planned 50.000 genomes

Denmark

Finland

European Commission

Cross-Border Possibilities to Help Patients with a Rare Disease

Health

European Commission

European Reference Networks

The ERN

Networks of healthcare providers aiming at improving quality, and safety and access to highly specialised healthcare

Patients affected by rare or low prevalence and complex diseases

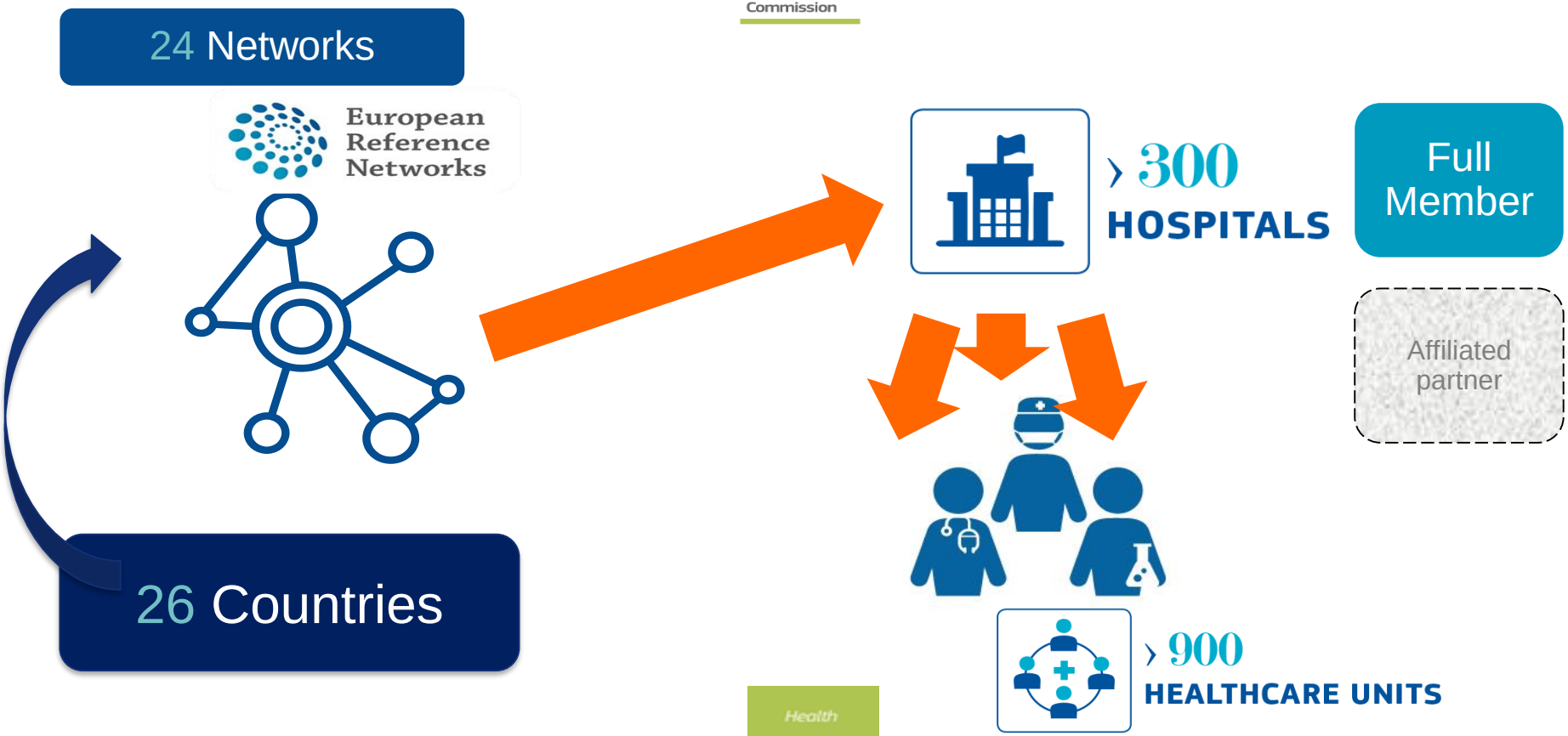
Multidisciplinary approach (different specialities/areas of knowledge)

Added value at EU level

Need of cooperation:

- Scarcity knowledge
- Need education
- Complexity / high cost
- Effectiveness in the use of resources

"The knowledge travels, not the patient"


24 Networks
European Reference Networks
26 Countries
› 300
HOSPITALS
Full Member
Affiliated partner
› 900
HEALTHCARE UNITS

ERN's IT Platform & tools

IT tools

CEF funded

CLINICAL
Online patient management
CPMS

Web/video conferencing , Virtual clinical meetings

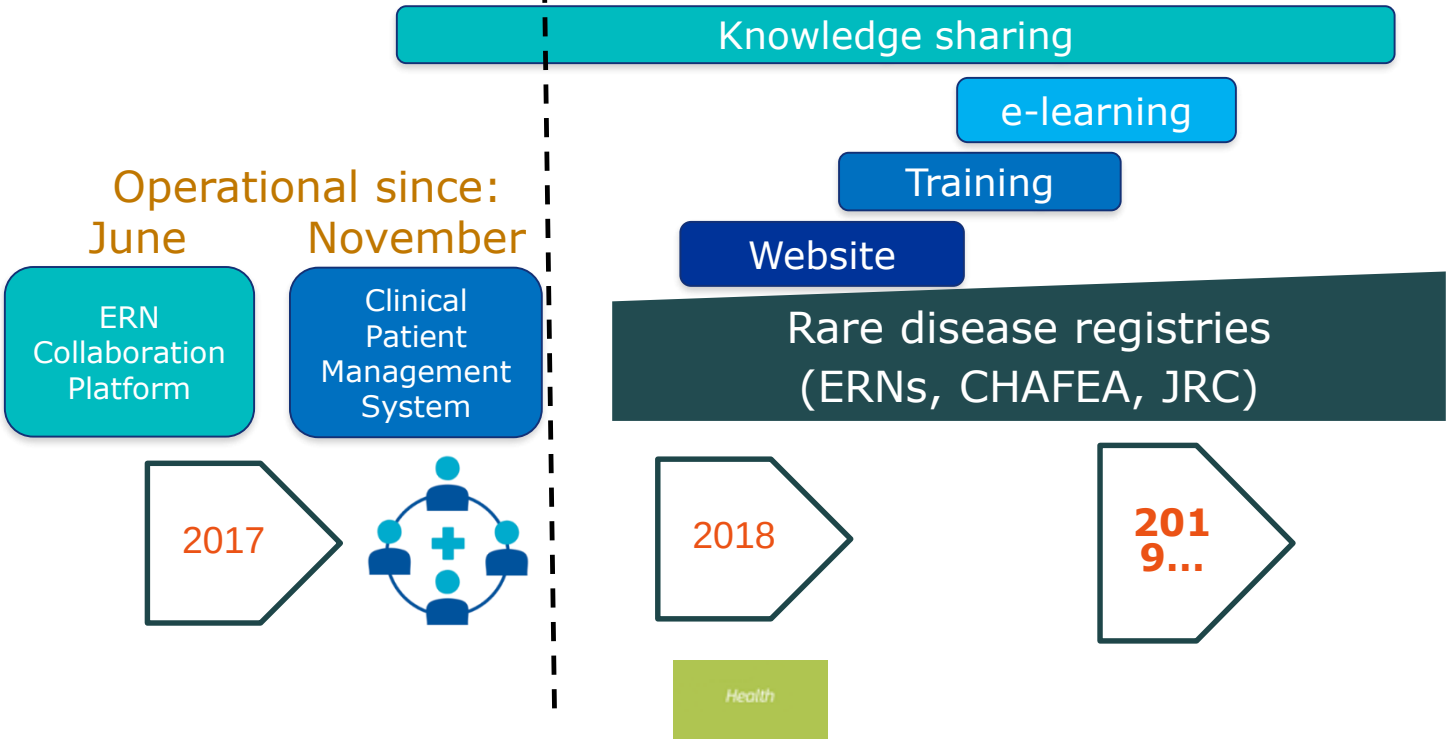
Exchange of Images (Radiology), diagnostic tests & pictures (genetics, pathology etc., (PACS)

Exchange of clinical information and patient data

CEF programme

European Commission

European Reference Network's IT Tools



3 Digital tools and data for citizen empowerment and person-centred healthcare

- ***Facilitate the wide deployment of digitally-enabled services***
- ***Promote common principles for validating and certifying health technology***
- ***Capacity building and technical assistance for health authorities***
- ***Mobilising investment to support large-scale implementation of digitally enabled, integrated, person-centred care models***

Funding opportunities digital health 2021-2027

Digital Europe Programme
and Connecting Europe Facility

European Social Fund +
and European Globalisation
Adjustment Fund

Horizon Europe

European Regional
Development Fund

InvestEU Programme

Funding: Digital Europe Programme

- First ever Digital Europe Programme
- Matching the Digital Single Market Strategy with robust funding to make most of new opportunties for digital transformation
- €9.2 billion for EU budget 2021-2027
- 5 specific objectives

5 specific objectives

Supercomputing

Artificial Intelligence

Cybersecurity and Trust

Advanced Digital Skills

Ensuring the wide use of digital technologies across the economy and society

2,7 bn EUR

2.5 bn EUR

2 bn EUR

700 mil EUR

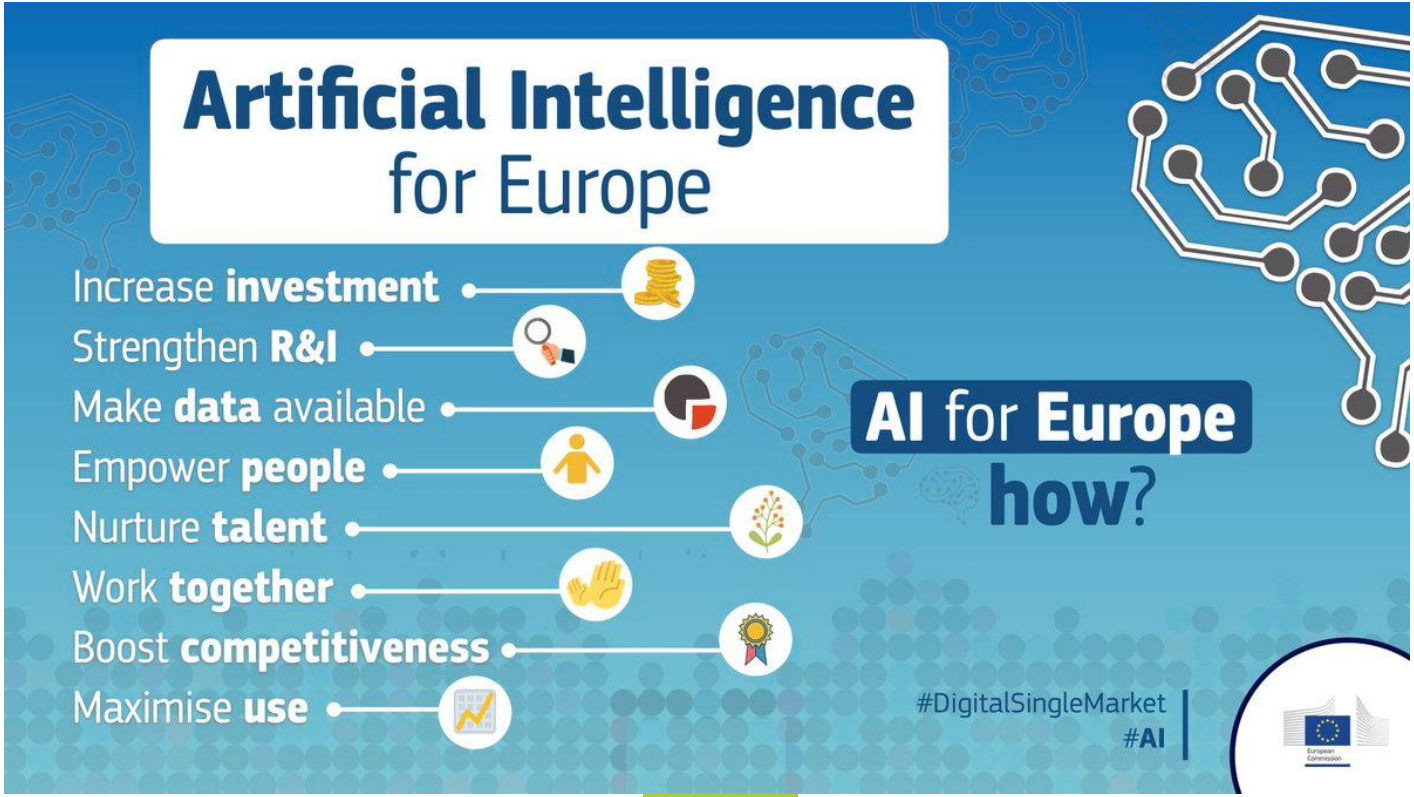
1.3 bn EUR

Communication Artificial Intelligence for Europe COM(2018) 137 final

(1) Boost EU's technology and industrial capacity and AI uptake

(2) Address AI's socioeconomic impact

(3) Ensure an appropriate ethical and legal framework


Artificial Intelligence
for Europe
Increase investment
Strengthen R&I
Make data available
Empower people
Nurture talent
Work together
Boost competitiveness
Maximise use
AI for Europe
how?
#DigitalSingleMarket
#AI

Funding: Connecting Europe Facility (CEF)

Supporting development of high-performance infrastructure in 3 areas

Transport

Energy

DIGITAL (*€3 billion for the EU budget 2021-2027)*

Health

Funding: Horizon Europe – Research & Innovation

- €94 billion for EU budget 2021-2027
- 3 objectives
- 5 clusters
  - Cluster I: Health (budget: €7.7 billion)
  - Cluster III: Digital and Industry (budget: €15 billion)

- Research missions

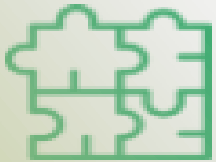
EU Programmes under main responsibility for national/regional/local authorities

- ESF+ (shared management)
- European Regional Development Fund
- InvestEU Programme

Funding: European Social Fund +

€100 billion for the European Social Fund +

Investing in people



A new and improved European Social Fund

(health – under shared and direct management)

Funding: Regional Development and Cohesion

€242 billion for the ERDF and the Cohesion Fund for the EU buget 2021-2027

5 specific objectives

A smarter Europe

A more social Europe

A greener and carbon free Europe

A Europe closer to citizens

A more connected Europe

Health

Funding: InvestEU

supporting 4 different policy areas, focusing on where the EU can add the most value by providing a budget guarantee to attract private investment

Sustainable infrastructure **(Budget *€11.25 billion)***

Research, innovation & digitisation ***(Budget €11.25 billion)***

Small businesses ***(Budget €11.25 billion)***

Social investment & skills ***(Budget €4 billion)***

Funding: European Globalisation Adjustment Fund

almost €1.6 billion for the EU budget 2021–2027

An improved and stronger fund

➡ To express solidarity with European workers who lost their jobs

➡ with broadened reasons for which Member States can apply: for instance when workers are displaced by restructuring events triggered by changing global trade patterns, automation, digitalisation, or the transition to a low-carbon economy

Thank you!

DigitalSingleMarket@DSMeu

EU_Health@EU_Health

DG Health and Food Safety

http://ec.europa.eu/health/ehealth/policy/index_en.htm

DG Connect

http://ec.europa.eu/digital-agenda/en/eu-policy-ehealth