Setting the Scene

Anne Bucher

Director-General, DG SANTE, European Commission

'Future EU Funding for Health'

Roundtable

Chair: **Anne Bucher**
Director-General, DG SANTE, European Commission

- European Social Fund+, **Andriana Sukova**,
  Deputy Director-General, DG EMPL, European Commission

- Health Research in Horizon Europe, **Irene Norstedt**,
  Director, DG RTD, European Commission

- Digital Health in Horizon Europe, **Khalil Rouhana**,
  Deputy Director-General, DG CNECT, European Commission

- Structural Reform Support Service, **Geraldine Mahieu**,
  Head of Unit, SG, European Commission

- European Regional Development Fund, **Wallis Goelen**,
  Adviser, DG REGIO, European Commission

'Future EU Funding for Health'

European Social Fund+

Andriana Sukova

Deputy Director-General, DG EMPL, European Commission

European Social Fund Plus

(ESF+)

Andriana SUKOVA
Deputy Director General
DG EMPL

ESF+ - *Investing in People* for more Cohesion

In billion euro, current prices

I. SINGLE MARKET, INNOVATION AND DIGITAL
€187.4

1 Research and Innovation
2 European Strategic Investments
3 Single Market
4 Space

II. COHESION AND VALUES
€442.4

5 Regional Development and Cohesion
6 Economic and Monetary Union
7 Investing in People, Social Cohesion and Values

III. NATURAL RESOURCES AND ENVIRONMENT
€378.9

8 Agriculture and Maritime Policy
9 Environment and Climate Action

IV. MIGRATION AND BORDER MANAGEMENT
€34.9

10 Migration
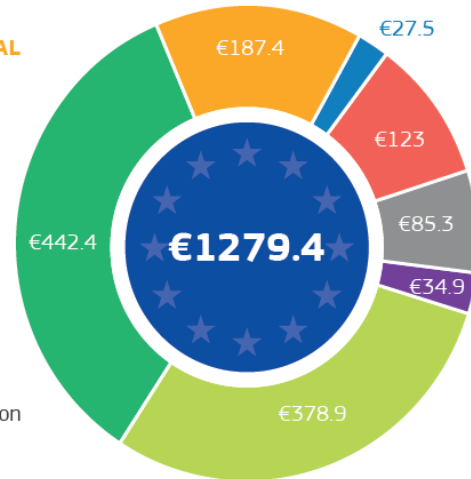11 Border Management

V. SECURITY AND DEFENCE
€27.5

12 Security
13 Defence
14 Crisis Response

VI. NEIGHBOURHOOD AND THE WORLD
€123

15 External Action
16 Pre-Accession Assistance

VII. EUROPEAN PUBLIC ADMINISTRATION
€85.3

17 European Public Administration

Donut chart centre: **€1279.4**
Segments: €187.4, €27.5, €123, €85.3, €34.9, €378.9, €442.4

II. COHESION & VALUES

5 Regional Development & Cohesion

- European Regional Development Fund
- Cohesion Fund
- Support to the Turkish-Cypriot Community

6 Economic & Monetary Union

- Reform Support Programme including the Reform Delivery Tool and the Convergence Facility
- Protection of the Euro Against Counterfeiting

7 Investing in People, Social Cohesion & Values

- European Social Fund + (including Integration of Migrants and Health)
- Erasmus+
- European Solidarity Corps
- Justice, Rights & Values
- Creative Europe (including MEDIA)

Employment, Social Affairs and Inclusion

ESF + €101,2 Billion

ESF+ Shared management €100 billion

Concentration requirements
- CSR implementation
- at least 25% Social inclusion
- at least 2% material deprivation (4% EU-level target)
- at least 10% in Member States with high NEET rate

Outermost Regions/NSPA €400 million

Transnationality €200 million

ESF+ (in)direct management €1,2 billion
- Employment and Social Innovation strand €761 million
- Health strand €413 million

European Commission

What activities could be financed by the shared management strand of ESF+?

Expanding coverage	**Increasing access e.g. for vulnerable groups**	**Active and healthy ageing**
Suppporting integrated services (social and health)	**Re-skilling and up-skilling of workforce**	**Healthy and well adapted work environment**

'Future EU Funding for Health'

Health Research in Horizon Europe

Irene Norstedt

Acting Director PEOPLE
DG Research & Innovation, European Commission

'Future EU Funding for Health'

Irene NORSTEDT
Acting Director PEOPLE
DG Research & Innovation, European Commission

Health Research in ***Horizon Europe***

Horzion Europe - Our vision

A sustainable, fair and **prosperous** future for **people** and **planet** based on European values.

- Tackling **climate change** (35 % budgetary target)

- Helping to achieve **Sustainable Development Goals**

- Boosting the Union's **competitiveness and growth**

European Commission

Pillar 1 - € 25.8bn
Excellent Science

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures

Pillar 2 - € 52.7 bn
Global Challenges and European Industrial Competitiveness

Clusters

- **Health** – € 7.7 bn
- **Culture, Creativity & Inclusive Society**
- **Civil Security for Society**
- **Digital, Industry & Space**
- **Climate, Energy & Mobility**
- **Food, Bioeconomy, Natural Resources, Agriculture & Environment**

Joint Research Centre

Pillar 3 - € 13.5 bn
Innovative Europe

European Innovation Council

European innovation ecosystems

European Institute of Innovation and Technology

Widening Participation and Strengthening the European Research Area – € 2.1 bn

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

European Commission

Main funding approaches

- **Grants to individual fellows, teams, infrastructures, innovators** under Pillar 1 (ERC, MSCA) and Pillar 3 (EIC)
  → bottom-up open competition

- **Grants to collaborative projects** (Pillar 2)
  → top-down open competition by multi/international consortia proposing projects on specific topics in response to calls for proposals

- **Grants to contracting authorities/entities** (Pillar 2)
  → for pre-commercial procurement and procurement of innovative solutions

- **Partnerships** between R&I investors (Pillar 2 and Pillar 3)

- **Missions** driven by inspirational goals for impact (Pillar 2)

European
Commission

Horizon Europe, Cluster 'Health': 6 areas of intervention

Health throughout the Life Course

Environmental & Social Health Determinants

Non-communicable and Rare Diseases

Infectious diseases

Tools, Technologies and Digital Solutions for Health and Care

Health Care Systems

European Commission

Candidate R&I partnerships (44)

1- HEALTH

EU-Africa Global Health

Innovative Health Initiative

Chemicals Risk Assessment

Fostering an ERA for Health research

Large-scale innovation and transformation of health systems in a digital and ageing society

Personalised Medicine

Rare Diseases

One Health AMR

4 - DIGITAL, INDUSTRY AND SPACE

e.g.

Key Digital Technologies

Smart Networks and Services

AI, data and robotics

Photonics Europe

European Metrology

PILLAR III AND CROSS-PILLAR

EIT Health

EIT Food

EIT Digital

Innovative SMEs

European Open Science Could (EOSC)

5 - CLIMATE, ENERGY AND MOBILITY

e.g.

Built environment and construction

Mobility and Safety for Automated Road Transport

6 - FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

e.g.

Animal health: Fighting infectious diseases

Safe and Sustainable Food System for People, Planet & Climate

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Steps towards the first Horizon Europe work programme

Summer 2019

- Early involvement and extensive exchanges with Member States
- Consultation with stakeholders and public at large – **until 4 Oct!**
- Establishment of Mission Boards

Autumn-winter 2019/2020

- Co-creation at R&I Days 24-26 September
- Extensive exchanges with the new European Parliament
- Establishment of new Commission
- envisaged endorsement of Strategic Plan 2021-2024

2020

- Drafting of first Horizon Europe Work Programme 2021-2022 on the basis of the Strategic Plan

2021

- Start of Horizon Europe (2021-2027)

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'Future EU Funding for Health'

Digital Health in Horizon Europe

Khalil Rouhana

Deputy Director-General, DG CNECT, European Commission

'Future EU Funding for Health'
Khalil ROUHANA
Deputy Director-General, DG CONNECT,
European Commission

Future EU Funding for Digital Health

Digital Transformation of Health and Care
Challenges and opportunities

➢ Access to health data (across-borders)

- Interoperability data/systems/technologies
- Cybersecurity and Data Protection

➢ Innovative solutions for prevention, diagnosis, treatment, care

- Artificial Intelligence, clinical decision support systems
- HPC, Blockchain, Big data analytics, IoT, cloud computing

Efficiency of health and care systems, better outcomes, personalised medicine, integrated care, well-being, citizens empowerment, ...

1 Citizens' secure access to and sharing of health data across borders

2 Better data to advance research, disease prevention and personalised health and care

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

European Commission

Digital transformation of health in EU Programmes today

- **H2020:**
  - More than 1 Billion Euro of investments in R&I under the Health SC
    - ICT solutions for prevention, diagnosis, treatment, care
  - Almost a similar amount in ICT LEIT
    - Big Data, AI and robotics, Smart systems and wearables, biophotonics,..

- **CEF: Digital Service Infrastructure, eHDSI**
  - Around 80 M€ for eHealth deployment and interoperability
    - Cross border health services: Patient summary, ePrescription, patient access, Medication overview, etc..
    - Open NCP,..

European Commission

Examples of H2020 projects

MyHealthMyData - uses blockchain, dynamic consents, personal data accounts, smart contracts and encryption technologies for privacy-aware sharing of medical data. It encourages hospitals to start making anonymised data available for open research, while prompting citizens to become the ultimate owners and controllers of their health data.
http://www.myhealthmydata.eu

i-PROGNOSIS - enables early Parkinson disease detection and improves patients' health-related quality of life as the disease progresses over time.
http://www.i-prognosis.eu

HEARTMAN - The HeartMan System provides patients with heart failure with a personalized exercise plan, nutrition advices and medication reminders, as well as assistance in self-monitoring and managing their environment. http://heartman-project.eu/

European Commission

27

Digital Health Actions related to cancer

- *MURAB develops technology to take more precise and effective biopsies in order to diagnose cancer*

- *BD2Decide uses AI and big data to support clinicians treating head and neck cancer*

- *IASIS integrates heterogeneous big data sources to support clinicians developing more personalised diagnoses and treatments for lung cancer*

- *PRIMAGE and IPC use in silico medicine for personalized diagnostics and therapies on pediatric cancer*

MURAB

BD2DECIDE

iASiS
Big Data for Precision Medicine

PRIMAGE
Medical imaging
Artificial intelligence
Childhood cancer research

IPC
Individualized
PaediatricCure

"Survival rates are on the up, especially thanks to early detection and screening programmes. But there is a lot more we can do. I will put forward a **European plan to fight cancer**, to support Member States in improving cancer control and care."

Ursula von der Leyen, President-elect

*Ongoing call: **AI for Health Imaging**, 35 M EUR, closing 13 Nov 2019*

*For improving diagnosis, treatment, follow-up and contribute to a **more precise and personalised management of cancer***

European Commission

Funding opportunities for eHealth 2021-27

Digital Europe Programme
and Connecting Europe Facility

Horizon Europe

European Social Fund +
and European Globalisation
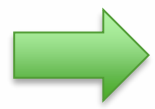Adjustment Fund

European Regional
Development Fund

InvestEU Programme

Digital Europe Programme: Health Data and testing and experimentation

A common health data space - requires infrastructure, common standards and European approach to accessing health data sets

➡️ cost-effective **data-driven tools and services**, taking advantage of advanced computing and of **federated cloud services** e.g. for faster data processing

Federation of pan-European cloud services to provision strategic services of general interest and public interest nature such as **healthcare**, **delivery of health services by hospitals**

➡️ benefits for testing of innovative **digital health technologies** for citizens and scientific **medical research** (e.g. finding treatments to cancers), development

European Commission

Digital Health and Horizon Europe

➤ Innovative tools and technologies for bio-medical research, prevention, diagnosis and therapy of diseases and tools for monitoring diseases as well as treatment progression, **including digital solutions, Artificial Intelligence applications, genomics and other data-driven interventions and procedures**

➤ Integrated solutions for health including **mobile and telehealth**

➤ Health **data accessibility and interoperability** across the EU

➤ Efficient **piloting** of healthcare technologies and tools in real-life settings

➤ **Improved health technologies and interventions** based on digital solutions, which support timely health information and use of health data

➤ Projects looking at the **safety, privacy, efficacy, quality, ethical and social** impact of digital solutions for health and care

HORIZON EUROPE

European Commission

31

'Future EU Funding for Health'

Structural Reform Support Service

Geraldine Mahieu

Head of Unit, 'Labour Market, education, health and Social Services'

'Future EU Funding for Health'

Geraldine Mahieu
Head of Unit, 'Labour Market, education, health and Social Services'
Structural Reform Support Service (SRSS)

Structural Reform Support Service

- Support Member States with the <u>preparation, design, and implementation of growth-enhancing reforms</u>;

- Steer and coordinate technical support provided by the Commission;

- Provide demand-based, <u>tailor-made support</u> on the ground;

- ALL stages of reforms

- Low administrative burden, no co-financing;

- Open to ALL Member States;

- SRSP budget of EUR 222.8 million for 2017-2020 (around EUR 80 million for 2020).

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Governance and Public Administration

- Governance
- Central & local administration
- e-Government
- Management of human resources
- Better regulation
- Anti-corruption & anti-fraud strategies
- Anti-money-laundering strategies
- Judicial reform

Revenue Administration and Public Financial Management

- RA core functions
- RA capacity building and institutional development
- Budget preparation and execution
- Accounting , debt and cash management
- Expenditure policy
- Spending reviews
- Tax policy

Growth and Business Environment

- Investment licensing
- Competition policy
- Trade issues
- Digital society
- Land registry
- Energy Union
- Better Regulation
- Management of State-owned enterprises (SOEs)
- Sectoral expertise: transport, environment, water, agriculture, etc.

Labour Market, Health , Education and Social Services

- Labour market, policies & laws
- Welfare system
- Pension system
- Healthcare system
- Education & vocational training
- Integration of migrants & refugees

Financial Sector and Access to Finance

- Access to finance
- Capital Markets Union
- Bank supervision & resolution
- Insolvency & financial literacy
- Insurance & pensions
- Competition issues

2014-2020
EU HEALTH PROGRAMME CONFERENCE
BRUSSELS 30 SEPTEMBER 2019

Spring – early autumn
Preparatory work on priority requests

Nov - Dec 2019
Analysis of requests and selection of the SRSP 2020 projects
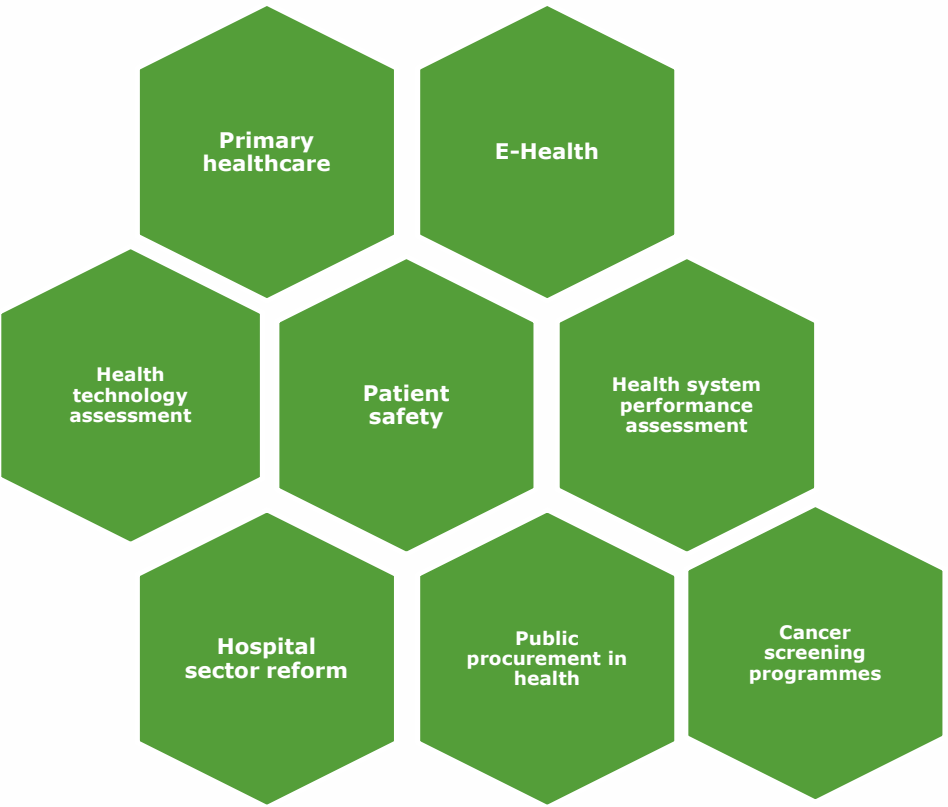
Spring 2020
Projects launched on the ground

31 Oct 2019
Deadline for submission of requests under SRSP 2020

Feb 2020
Annual Work Programme and Cooperation and Support Plans

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Main themes in health

Primary healthcare

E-Health

Health technology assessment

Patient safety

Health system performance assessment

Hospital sector reform

Public procurement in health

Cancer screening programmes

In 2015-2019, the SRSS has supported 57 health-related projects in 21 Member States.

Priority will be given to:

- **Strategic requests:** linked to government reform & technical support priorities (e.g., NRP & CSRs)

- **Comprehensive requests:** clear long-term perspective, covering the entire reform cycle and focusing on real impact on the ground

- **Mature requests:** Reform goals and the contribution of technical support are clearly defined.

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Examples of SRSS support for healthcare reforms

eHealth in the Czech Republic

- Establishment of a National eHealth Center paving the way for the strategic development of the eHealth agenda.

- Support facilitated mainly by authorities from Austria, but also from Denmark and other MS.

- Czech Republic is already moving quickly into the next steps, such as establishing an interoperability framework also based on EU guidelines.

European Commission

Examples of SRSS support for healthcare reforms

Health System Performance Assessment (HSPA) in Latvia and Slovenia

In a joint effort and in collaboration with Italy, Latvia and Slovenia have established **sound frameworks to assess the performance of their health system**, which will be used to identify new critical areas for improvement, such as improving quality of care in Slovenia.

European Commission

Examples of SRSS support for healthcare reforms

Primary healthcare in Austria

Austria is aiming to shift from hospital-centric health care to a strengthened primary health care sector. It aims to establish 75 primary health care units by 2022.

SRSS contributes to speeding up the implementation of the reform:

- Start-up guide for general practitioners setting up their own primary health care unit
- Hands-on consultancy, website design and communication strategy
- Support and trainings for regional governments and public insurance on financial instruments for the units

PVE
Primär-Versorgungs-Einheiten
für Ihre Gesundheit

Das
Handbuch
zur Gründung
einer PVE

European
Commission

Upcoming health priorities

- Health remains a cross-cutting priority high on the agenda of the next Commission

- The President-elect of the Commission has already mentioned several priority areas of work for health:

  - **providing safe and affordable medicines and medical devices** (strengthening centralized procurement of medicines in PT)*

  - **developing e-Health capacity and tools** (developing an e-Health National Center in the Czech Republic, improving interoperability of eHealth systems in Croatia, telemedicine in Spanish regions)*

  - **promoting vaccination**

  - **the fight against cancer and anti-microbial resistance (AMR)** (capacity building for tackling AMR in Latvia)*

  *examples of current SRSS support

SRSS in 2020 and beyond

- SRSS will become the **Directorate General for Structural Reform Support.**

- It will offer technical and financial support for reforms financed under the successor of the current SRSP, the so-called **Reform Support Programme (RSP).**

- RSP will include an **instrument for technical support**, similar to the existing SRSP, as well as **financial incentives for Member States to implement reforms** identified as priorities in the European Semester, **including health care reforms**.

European Commission

'Future EU Funding for Health'

European Regional Development Fund

Wallis Goelen

Adviser, DG REGIO, European Commission

Lunch 🍴 12:45 – 13:45

Parallel Session I 13:45 – 15:15

Objective 1: **The Arc**

Objective 3: **Silver Hall**

Listening room of Objectif 1: **Hall 300**

Parallel Session II 15:45 – 17:45

Objective 2: **The Arc**

Objective 4: **Silver Hall**

Listening room of Objectif 2: **Hall 300**