

Horizon Europe Pillar 2 Cluster 1 „Health”

**Steering Group on Health Promotion,
Disease Prevention and Management
of Non-Communicable Diseases
(SGPP), Brussels, 7 June 2019**

#HorizonEU



- 1. Update on HE negotiations**
- 2. Strategic planning process**
- 3. R&I Partnerships**
- 4. Missions**

1. Update on HE negotiations

Horizon Europe

The ambitious EU research and innovation framework programme (2021-2027)



to strengthen the EU's scientific and technological bases and the European Research Area (ERA)



to boost Europe's innovation capacity, competitiveness and jobs



to deliver on citizens' priorities and sustain our socio-economic model and values

The Commission proposes a budget of € 100 billion

Additional **€ 4.1 billion** are proposed to be allocated for defence research, in a separate proposal for a European Defence Fund

Latest steps towards the agreement between the Council and European Parliament

- **19 March** – Text agreed between the institutions
- **27 March** – Coreper approves common understanding on the Regulation
- **2 April** – ITRE votes on the partial agreement on both documents
- **9 April** – Exchange of views on the Specific Programme legal base
- **15 April** – Council adopts partial general approach on the Specific Programme (Council decision)
- **17 April** – The European Parliament agreed on both texts



Last trilogue, 19 March

Issues still open: Budget, synergies and third country association

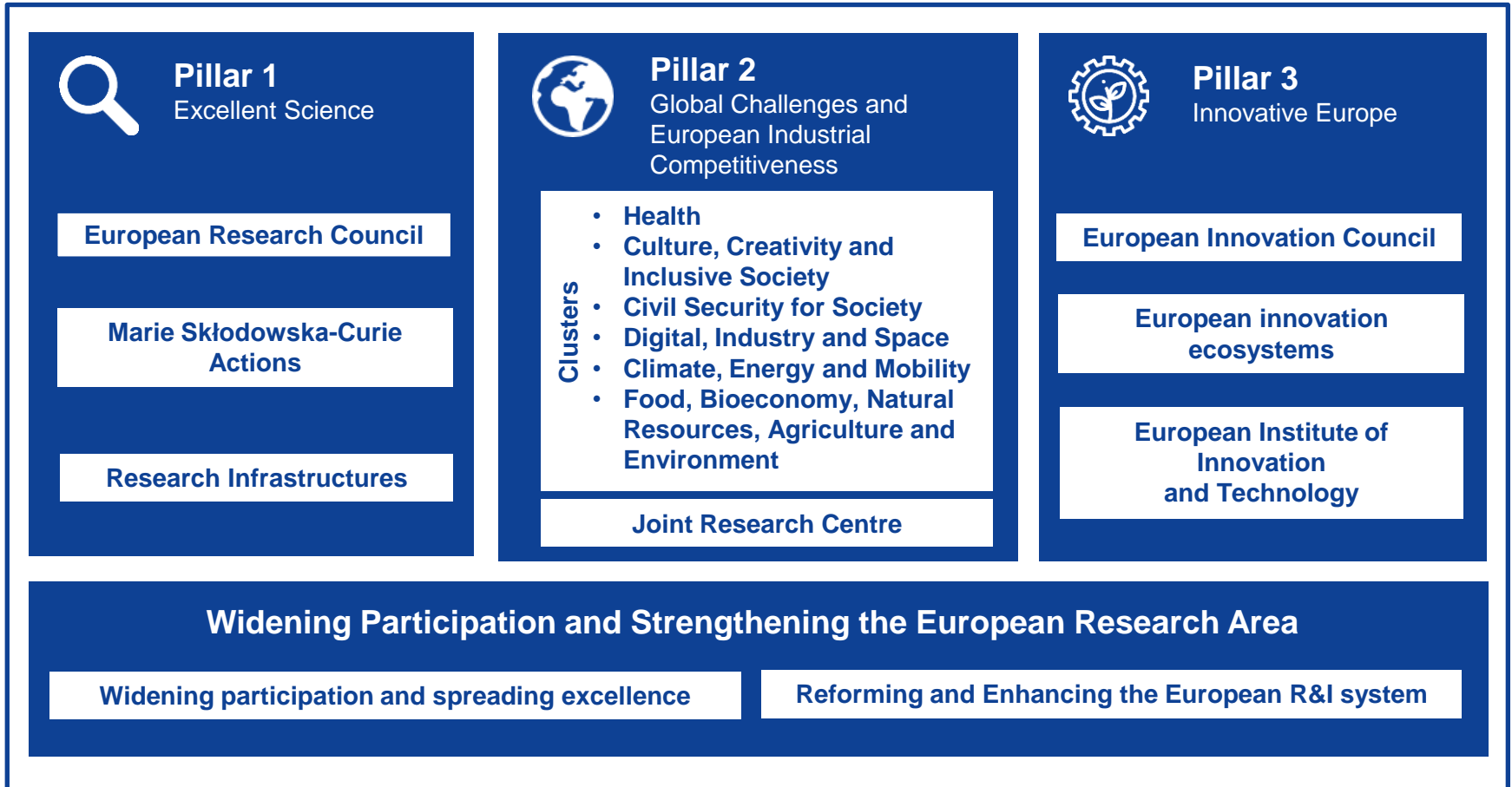
Key elements of the Commission proposal are preserved

- ✓ **Three pillar structure** addressing fundamental science, global challenges and innovation
- ✓ A new **cross-sectoral clusters** approach
- ✓ **Missions as key novelty for more impact and visibility**
- ✓ EIC as one-stop shop for innovation to help small companies to innovate and scale up
- ✓ **Strategic planning as direction-setting for the work programmes**
- ✓ **New approach to partnerships to rationalise the landscape**
- ✓ Impact pathways to track progress with the achievement of the Programme's objectives over time.
- ✓ Rules for participation aiming at further simplification and a more robust Open Access regime.

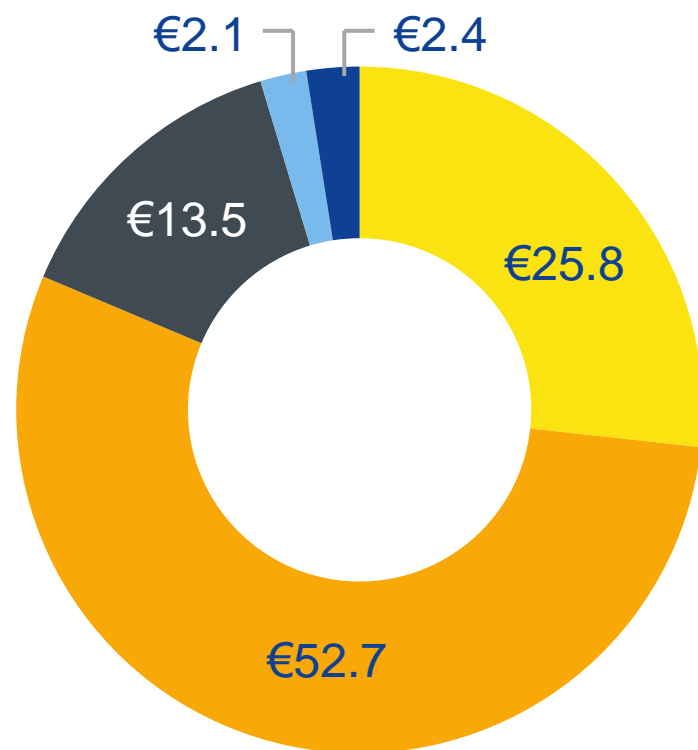
Key changes introduced by Council and EP

- ✓ **Cluster inclusive and secure society is split**
- ✓ **Fast track procedure in pillar II and in the EIC Pathfinder for bottom-up proposals, small consortia and time-to grant not exceeding 6 months**
- ✓ **EIC to provide two types of support: blended and grants-only**
- ✓ **Areas for possible missions and institutionalised partnerships based on Article 185/187 TFEU are listed**
- ✓ **Widening participation: additional measures and increased budget prospect**
- ✓ **Strategic planning as Commission implementing act to facilitate implementation**

Horizon Europe: structure



Commission proposal for budget: €100 billion* (2021-2027)



€ billion
In current prices

- Excellent Science
- Global Challenges & European Ind. Comp.
- Innovative Europe
- Widening Part. & ERA
- Euratom

* This envelope includes EUR 3.5 billion allocated under the InvestEU Fund.

Horizon Europe documents are publicly accessible:

Common understanding of the co-legislators on the Framework Programme:

<https://data.consilium.europa.eu/doc/document/ST-7942-2019-INIT/en/pdf>

Corrigendum on Annex III :

<https://data.consilium.europa.eu/doc/document/ST-7942-2019-COR-1/en/pdf>

Partial General Approach adopted by the Council on the Specific Programme:

<https://data.consilium.europa.eu/doc/document/ST-8550-2019-INIT/en/pdf>

2. Strategic planning process

The Strategic Planning process: to set in gear a transformatory agenda

The
present
we have

R&I Strategic Planning of Horizon Europe

Synergies across the MFF

Synergies across other EU policy interventions

Synergies with the MS actions

The
future
we want

... and our strategic plan will attract attention
and cooperation at international/global level

Strategic plan gives direction to the work programme



Main Features

Early involvement and extensive exchanges with Member States

Extensive exchanges with the European Parliament

Consultations with stakeholders and public at large

Strategic Plan for implementing Horizon Europe

The Strategic Plan (*new implementing act by the Commission*) will prepare the content in the work programmes and calls for proposals for the first four years

- Strategic orientation for R&I support, expected impacts
- Partnerships and missions
- Areas for international cooperation
- Issues such as:
 - Balance between research and innovation
 - Social Sciences and Humanities
 - Key Enabling Technologies and strategic value chains
 - Gender
 - Ethics and integrity
 - Dissemination and exploitation

Cluster 1 - Health

Targeted impacts

EU policy objectives

SDG 3 - Ensure healthy lives and

promote well-being for all at all ages

European Social Pillar - Everyone has the right to timely access to affordable, preventive and curative health care of good quality

Protect and improve the health of EU citizens, including cross-border health threats, epidemics preparedness and global health security

Support equal access to modern, efficient and safe health care for all EU citizens, incl. cross-border health care

Improve the efficiency of Europe's health systems, incl. via the digital transformation of health and care

Targeted impact - Long term (2030-2050)

Societal impact

Improved health promotion and disease prevention throughout the life course

Better accounting for the environmental factors for health and well-being

Better fighting communicable and non-communicable diseases (including a faster response to epidemic threats) and reducing the social and societal burden that they entail

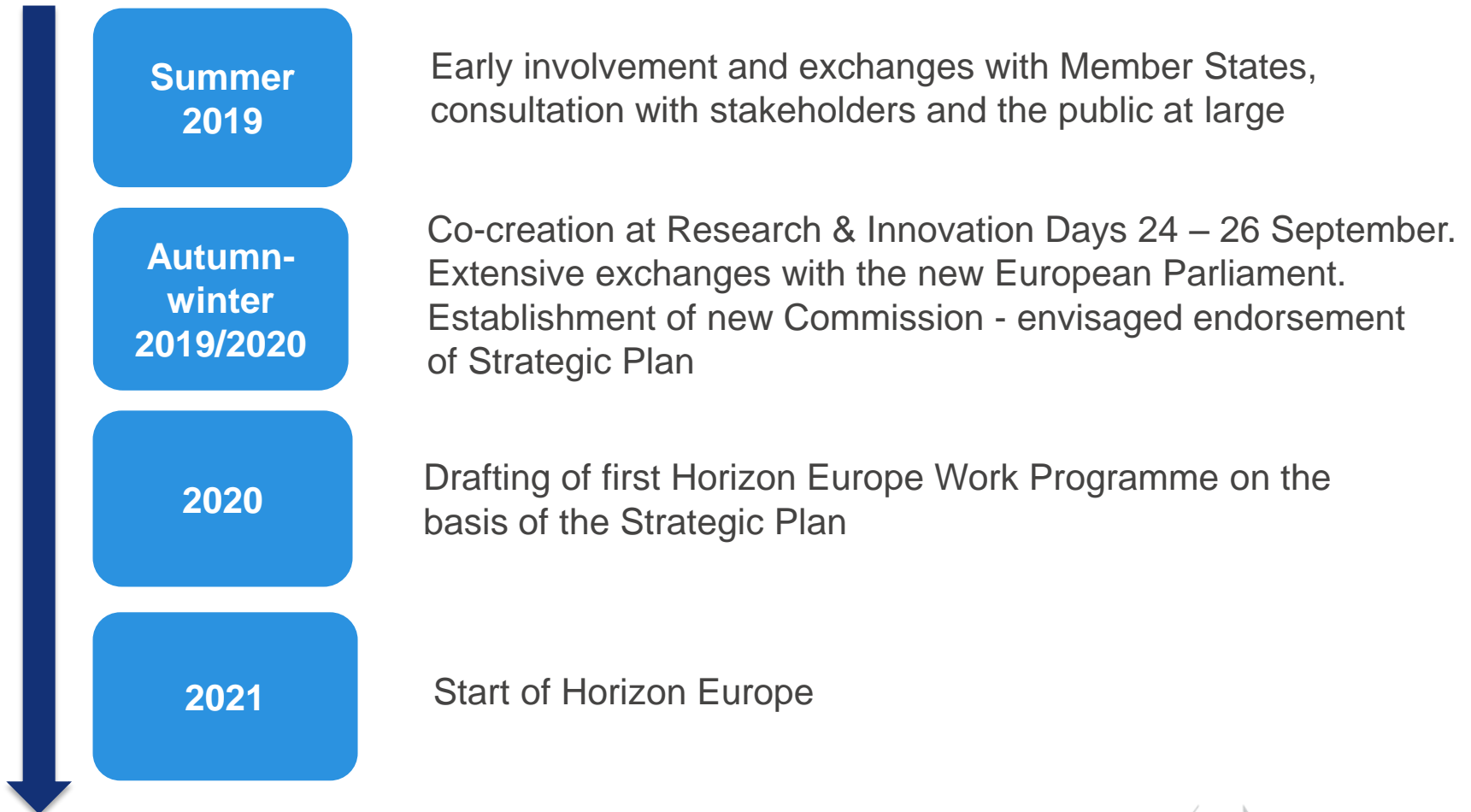
More efficient, accessible, sustainable and high-quality health care services and systems

Economic and technological impact

Better, safe and affordable health technologies, tools and digital solutions for health

More innovative, sustainable and globally competitive health industries (including SMEs)

Steps towards the first Horizon Europe work programme



Shadow Programme Committee (SPC)

to ensure early involvement of MS in Strategic Planning

- **EC invited MS to nominate SPC members**, following adoption of EP resolutions on political agreement with Council on HE (17 April)
- **1st SPC meeting held on 2nd/3rd May**: focus on strategic planning and strategic coordinating process (partnerships)
- **Next SPC meetings (monthly)**: 29 May, 27 June, 12 Sept, 24 Oct, 21 Nov, 17 Dec
- **SPC established as EC expert group**: Commission Expert group to act as "shadow" Strategic Configuration of the Horizon Europe Programme Committee (E03662) – see [EC registry](#)
- **Thematic SPC configurations**: planned as of Q1/2020

Preparation of consultation of “stakeholders and wider public”

(including EU R&I Days)

- **Launch of web-based consultation by 15 June** at the latest, incl. the consultation document + structured feedback through questionnaire with mainly closed questions:
 - Level of agreement with expected impacts (from first four years of R&I investment under HE)
 - R&I priorities, including cross-cutting issues (valorization and ranking)
 - Open questions (“tweet-like”)plus possibility to hand in position paper that will be published
- **Evaluation of feedback** in early September
- **Discussion/valorization of consultation results at EU R&I Days** (24-26/09/2019) in dedicated sessions and feedback possibly through an ‘Horizon village’
- **Further round of feedback in autumn**

EUROPEAN RESEARCH & INNOVATION DAYS

24 → 26
SEPTEMBER

20
19

KANAL  CENTRE POMPIDOU
Brussels, BELGIUM

#RiDaysEU
@EUScienceInnov

Where, When, What?

Kanal - Centre Pompidou, Brussels
24, 25 and 26 September 2019

- ❑ A **Policy conference**; an **Innovative Europe Hub**; the **“Science is Wonderful!”** exhibition altogether;
- ❑ Bringing together policy-makers, world leaders from industry, finance, academia and business
- ❑ Debating and shaping the future R&I landscape:
 - ✓ contribute to co-designing the HE Strategic Plan
 - ✓ provide a space and meeting opportunities for inventors, investors, businesses and intermediaries
 - ✓ mobilise EU citizens and increase their awareness on the importance of R&I in addressing societal challenges.
- ❑ Draft Programme published on the [event website](#)



	AUDITORIUM	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	ROOM 6	ROOM 7	ROOM 8	ROOM 9
09:00 → 10:00									CLOSED SESSION MISSION BOARD 'Climate Adaptation' With Member States	
10:00 → 11:00									CLOSED SESSION MISSION BOARD 'Cities' With Member States	
11:00 → 12:00									CLOSED SESSION MISSION BOARD 'Soil Health Food' with Member States	
12:00 → 13:00									CLOSED SESSION MISSION BOARD 'Oceans' With Member States	
13:00 → 14:00	REGISTRATION DESK ← → WELCOMING COFFEE									
14:00 → 14:30	OPENING & KEYNOTES									
14:30 → 15:30	How to make our PLANET healthy again	Better SERVICES for project proposers	Technological leadership in RENEWABLES and energy efficiency	Me and my society - DEMOCRACY and Governance	Breakthrough TECH – back to the future	The Innovation Principle. What can it do for SUSTAINABILITY and what can we do for it?	Thinking the future: Strategic FORESIGHT in EU R&I	HEALTHY environment, healthy people	CLOSED SESSION MISSION BOARD 'Cancer' With Member States	Open innovation, open source and INTELLECTUAL Property
15:30 → 16:30	The MISSIONS : let's get started!	Tomorrow's TECHNOLOGIES for today's health	Connected AUTOMATED mobility	The future of PLASTICS	It's a bio WORLD	Living in the shadows – those outside the PROSPEROUS circle	SUSTAINABLE built environment	Me and My Society – Social Sciences and Humanities INTEGRATION	R&I evidence: ingredient for better POLICY making	Materials enabling CARBON neutrality
16:30 → 17:30	Bridging, Widening, SHARING : let's Advance Europe together!	Changing SOCIETIES : tackling the socio-economic transformations in Europe	Smart ELECTRIC mobility	Data for HEALTH	Together we are cleaner: INDUSTRY for a zero waste economy	CLOSED SESSION	RAILWAYS of the future	Staying healthy in a FAST-MOVING world	Communicating Europe through SCIENCE Diplomacy	The EIT: tackling global challenges by strengthening local innovation ECOSYSTEMS
17:30 → 18:00	CLOSING OF DAY 1 Invited Speeches									
18:00 → 21:00	NETWORKING EVENT									

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HORIZON EUROPE CLUSTERS

CLUSTER 1 HEALTH | **CLUSTER 2-3** CULTURE, CREATIVITY AND INCLUSIVE SOCIETIES AND CIVIL SECURITY FOR SOCIETY | **CLUSTER 4** DIGITAL, INDUSTRY AND SPACE | **CLUSTER 5** CLIMATE, ENERGY AND MOBILITY | **CLUSTER 6** FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT
CROSS-CUTTING, SUPPORT AND IMPLEMENTATION | **LINKS** TO HORIZON EUROPE PILLAR 1 AND 3 | **CD** STRATEGIC PLANNING CO-DESIGN SESSIONS



	AUDITORIUM	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	ROOM 6	ROOM 7	ROOM 8	ROOM 9
08:30	REGISTRATION DESK ← → WELCOMING COFFEE									
09:00	OPENING OF THE EXHIBITION 'SCIENCE IS WONDERFUL' ← → INNOVATIVE EUROPE HUB									09H00-10H30 HORIZON EUROPE Mission on Cancer
09:45 → 10:00	DAY 2 SETTING-UP SESSION									
10:00 → 11:00	CLEAN Europe – Making carbon- neutrality a reality	UNIVERSITIES in innovation ecosystem	FOOD , gut bugs and HEALTH - the Microbiome	Food, feed, fibres, fuels: Enough BIOMASS for a sustainable bioeconomy?	SECURITY research: Ensuring security and privacy in a digitising world	Horizon Europe toolbox: SIMPLIFY the life of researchers	The future of SHIPPING starts now!	Innovative, smart, vibrant and circular RURAL areas	Do you still pay CASH - Fintech today and in the future?	
11:00 → 12:00	European INNOVATION Council: catapult your dreams from ideas to scale-up!	Tackling non-communicable DISEASES	SAFE journey!	Decarbonisation: PATHWAYS from vision to REALITY	Think GENDER , think different	CLIMATE Science	EURATOM research for all	OPEN Science is the new normal	Key DIGITAL technologies and strategic supply chains: EU in a global context	
12:00 → 14:00	LUNCH									
14:00 → 15:00	Institutional PHILANTHROPY Supporting Science, Research and Innovation	Tackling RARE diseases	ALTERNATIVE fuels and energy carriers	Detecting EXCELLENCE : accessible and transparent proposal evaluation in Horizon Europe	My neighbour the FACTORY	DEMONSTRATE . Validate. UPSCALE .	Tomorrow's AVIATION	Nurturing champions in ENERGY and TRANSPORT	Internet of the future: preserving EU values while harnessing digital PROGRESS	
15:00 → 16:00	Our health, Our SOCIETY	A new era for ERA – BUILDING a coalition of the winning	City as Innovation LAB	Human-centered ARTIFICIAL INTELLIGENCE	From Knowledge exploration to KNOWLEDGE exploitation	Exchange INFORMATION and intelligence for better European R&I policy	DATA is the new oil	Skills development for a COMPETITIVE Europe. The Marie Skłodowska-Curie Actions	The EU SPACE Programme for you	
16:00 → 17:00	Going GLOBAL for greater impact	Tackling INFECTIOUS diseases & anti-microbial resistance	Future generations of sustainable BATTERIES	Fly me to the moon: What SHAKES the future of R&I?	Industry working for PEOPLE and planet	CITIZEN Science. The promise of Open Science for Society	Circular food CITIES	Innovative approach to policy co-creation with PHILANTHROPIC actors	EIC Forum: Developing INNOVATION ecosystems	
17:00 → 17:30	CLOSING OF DAY 2 Invited Speeches									
17:30 → 18:00	PRIZES AND CEREMONIES									
18:00 → 19:30	NETWORKING EVENT									

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CROSS-CUTTING, SUPPORT AND IMPLEMENTATION | **LINKS** TO HORIZON EUROPE PILLAR 1 AND 3 | **CD** STRATEGIC PLANNING CO-DESIGN SESSIONS



	AUDITORIUM	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	ROOM 6	ROOM 7	ROOM 8	ROOM 9	
ALL DAY	EXHIBITION 'SCIENCE IS WONDERFUL' ↔ INNOVATIVE EUROPE HUB										
08:00 → 09:30	REGISTRATION DESK ↔ WELCOMING COFFEE										
09:30 → 10:00	DAY 3 SETTING-UP SESSION										
10:00 → 11:00	Re-defining PROSPERITY	Transforming of Food Systems for People, Planet & CLIMATE	CLEAN and affordable energy and transport for citizens	Making innovative quality health care accessible and AFFORDABLE	CD	SYNERGIES across Union programmes. More bang for the sustainability buck	BIO-BASED economy – innovations in practice	Energy for All – International COOPERATION and SDGs	Me and My Society- Cultural HERITAGE	Making Sense of SCIENCE	CLOSED SESSION
11:00 → 12:00	Young, Innovative, TOGETHER for the Climate		INDUSTRIES: Global players on a clean PLANET	Let's speak about Europe's scientific EXCELLENCE		SYNERGIES in action: Regions in the lead!	HEALTH systems: from research output to societal impact	Leveraging private PHILANTHROPIC cooperation to enhance European R&I	Making ROBOTS work	Materials and TECHNOLOGIES enabling 360° progress	
12:00 → 14:00	LUNCH										
14:00 → 15:00	European PARTNERSHIPS: Impact for Society	Upscaling AGRO-ECOLOGY through open innovation	Are we equipped to MEASURE the changing world?	Gene editing – everything under control? PERCEPTION and reality	CD	CLOSED SESSION	Let NATURE be the solution	Personalised MEDICINE & the REGIONAL dynamic	Affordable TECH: Doing better with less	ENERGY Storage	COMPETITION FALLING WALLS LAB
15:00 → 16:00		Natural resources in a changing climate – spot on AGRICULTURE and forestry	INVESTING in Millennials and Gen Z SKILLS and wellbeing	Ensuring an INNOVATIVE, sustainable and globally competitive health-related industry		CD	INSTITUTIONAL LEADERS MEETING	Beyond 2020: reversing BIODIVERSITY decline	INFRASTRUCTURE, network management and multimodality	Marketing or for real? Sustainable FINANCE for R&I	Security research: involving USERS in research to increase impact
16:00 → 17:00	Panel with Nobel and Kavli PRIZE Laureates										
17:00 → 17:30	HORIZON EUROPE Strategic Planning										
17:30	CONCLUSIONS & CLOSING CEREMONY										

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3. R&I Partnerships



New approach to European Partnerships

New generation of objective-driven and more ambitious partnerships in support of agreed EU policy objectives

Key features

- **Simple architecture and toolbox**
- **Coherent life-cycle approach**
- **Strategic orientation**

Co-programmed

Based on Memoranda of Understanding / contractual arrangements; implemented independently by the partners and by Horizon Europe

Co-funded

Based on a joint programme agreed and implemented by partners; commitment of partners for financial and in-kind contributions

Institutionalised

Based on long-term dimension and need for high integration; partnerships based on Articles 185 / 187 of TFEU and the EIT-Regulation supported by Horizon Europe

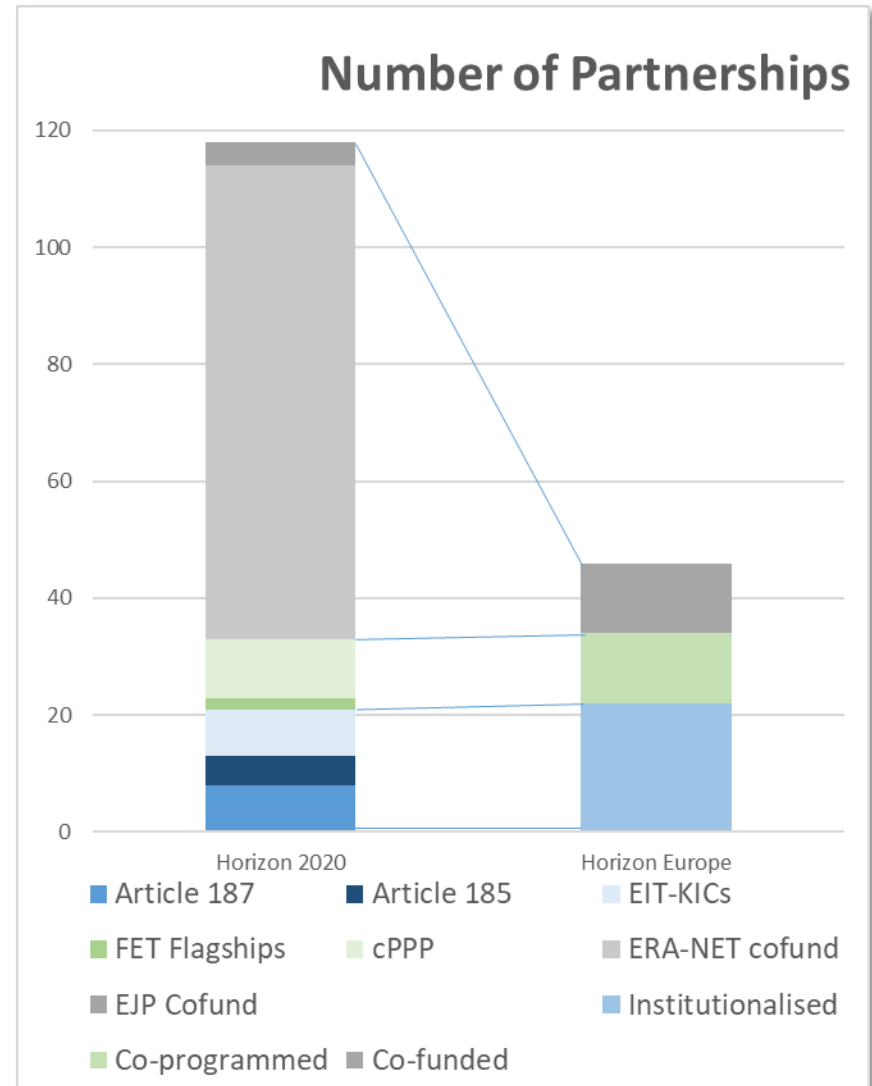
Emerging Partnership portfolio Horizon Europe

Rationalisation and reform achieved so far:

- Reduction from >120 (of all types) to currently 45;
- 6 new topics;
- 28 reformed continuations;
- 11 mergers and reforms;
- 35 partnerships candidates in Pillar II;
- 11 partnership candidates outside pillar II (9 EIT-KICs, SMEs, Open Science Cloud).

EU contributions/budgets:

- To be decided at a later stage following the overall MFF and Horizon Europe budgetary envelopes;
- To be determined once there are agreed objectives, and clear commitments from partners.



Cluster Health

Rationalisation and reform:

Overall number reduced from 13 to 7, of which

- 4 are reformed continuations of current partnership topics;
- 3 partnerships that would build on existing actions or merge existing partnerships;
- No discontinuation, but merging.

CF: Co-funded

CP: Co-programmed

Current candidates	Type
▪ EU-Africa Global Health Partnership	A185/7, CP, CF
▪ Innovative Health Initiative	A187, CP
▪ Chemicals Risk Assessment	CF
▪ (Pre-)Clinical Health Research	CF
▪ Large-scale innovation and transformation of health systems in a digital and ageing society	CF
▪ Personalised Medicine	CF
▪ Rare Diseases	CF
In addition: EIT Health	KIC

LARGE-SCALE INNOVATION AND TRANSFORMATION OF HEALTH SYSTEMS IN A DIGITAL AND AGEING SOCIETY

*Co-funded European Partnership on Health and Care Systems
Research and Innovation*

Health and Care Systems R&I Partnership

What is the context and problem definition?

Context

Health care systems in the EU **need to be adapted and reformed** to cope with societal changes inc. demographic, epidemiological, technological and environmental transitions • **Public spending** on health and care is **steadily rising** putting additional pressure on Member States given **budgetary constraints and the need for fiscal sustainability**.

Causes

• **Ageing population** • Increasing number of people with **multiple chronic conditions** • **Higher demand** for healthcare by citizens • **Expensive** innovative products and solutions • **Health workforce shortages**

Key problem drivers

• **Lack of communication channels** between **researchers and policymakers** to take into account the **research needs of policymakers**, and ensure that **research results** are **uptaken into policy**

• **Lack of an operational platform** linking researchers and innovators with key stakeholders from Member States **to define the unmet needs of health care systems**

• **Underuse of local/regional stakeholder eco-systems** that play a key role in communicating with patients, training professionals, piloting and integrating innovative solutions in health care services.

Health and Care Systems R&I Partnership

What are the objectives, expected impact?

Overall objective

A partnership with **health care systems owners/organisers and research funders** to **boost research in policy, uptake and scale-up of innovations** to accelerate transformation of national/regional health care systems

Specific objectives

- Provide **evidence for innovative solutions** that support cost-effective and fiscally sustainable health care policies
- Build knowledge on the conditions for **transferability and up-scaling of innovative solutions** across and within EU countries
- Develop and test a **mechanism to support diffusion** of innovative solutions
- **Define unmet needs** of citizens and health and care systems
- Establish an R&I **platform that brings together health data** across health care systems to enable data-driven policy

Expected impact

Scientific impact: • Policy-informed research and research informing policymaking • Knowledge transfer and shared expertise among EU Member States

Societal impact: • Improved population health • Citizens play a key role in managing their health and care • Health care professionals are skilled to handle new roles and responsibilities

Economic impact: • Enhanced effectiveness, accessibility, resilience, efficiency and fiscal sustainability of EU health and care systems • Facilitated market growth of European industry inc. spin-offs, start-ups, and SMEs

INNOVATIVE HEALTH INITIATIVE

Institutionalised Partnership Area 1: Faster development and safer use of health innovations for European patients, and global health

Innovative Health Initiative

What is the context and problem definition?

Context:

Europe has an **ageing population** and a **rising burden of diseases**. • Developing innovations is **often long, costly and risky**, while healthcare systems are under budgetary **pressure**. • Opportunity of **convergence of industry sectors** (pharma, med. tech., digital).

Problem:

Innovations are slow to reach the patients and users, or do not reach them at all if companies are unable to prove their safety and efficacy or if payers of the healthcare systems cannot afford them.

Causes:

• **Lack of complete understanding** of diseases • **Weak translation** of research into actual products and services • **Insufficient integration** of technologies and health interventions • **Barriers to digitalisation** • **Market failures** • Lack of adequate **business models**.

Earlier interventions:

IMI and IMI2 partnerships • Excellent in **promoting public-private cooperation** • Fostered **knowledge sharing** between pharmaceutical companies • Established **critical mass** for drug development • Initiated collaborations with non-pharmaceutical companies • **Opportunity** now for broader **cross-sectoral collaboration**

Innovative Health Initiative

What are the objectives, expected impacts and scope?

Partnership:

EU and health related industries (such as pharmaceuticals, diagnostics, medical devices, imaging, biotech and digital industries) • European **collaborative platform** for **precompetitive and integrative R&I**.

Overall objective:

Accelerate the development of **safer and more effective innovative healthcare interventions** that respond to **unmet public health needs**, and that can be taken up by healthcare systems.

Specific objectives:

• Facilitate **technology integration** to: progress disease understanding; enable the delivery of innovative health products and services; enable the combination of innovations along the healthcare pathway; overcome barriers to digitalisation, via standards, interoperability, etc. • Contribute to methodologies for **better assessing the value** of innovative interventions.

Expected impacts:

• Contribute to the **sustainability of the healthcare systems** • **Faster time-to-market** for innovative products • **New business** models • Incentive for industry to invest in **unmet public health needs** • Facilitate the delivery of **cost-effective** interventions • Improved **health outcomes** • Cross-sectoral industry **collaborations**.

EU-AFRICA GLOBAL HEALTH PARTNERSHIP ON HEALTH SECURITY TO TACKLE INFECTIOUS DISEASES

Institutionalised Partnership Area 1: Faster development and safer use of health innovations for European patients, and global health



EU-Africa Global Health

What is the context and problem definition?

- Infectious diseases affect 1 billion people worldwide with 3 million deaths every year;
- Particularly sub-Saharan Africa suffers a huge health and economic burden.

Lack of effective interventions caused by key problem drivers:

- (i) Insufficient purchasing power of most affected patients (market failure);
- (ii) Insufficient capacities for clinical research in developing countries;
- (iii) Fragmentation of public funding (EU and beyond) impedes funding of costly large late-stage clinical trials.

The European and Developing Countries Clinical Trials Partnership (EDCTP), launched in 2003 and renewed in 2014 (Article 185), addresses these problems.

This new partnership supports;

- [Towards a Sustainable Europe by 2030](#);
 - [2030 Agenda for Sustainable Development](#); SDG 3 and 17;
 - [Africa-Europe Alliance for Sustainable Investment and Jobs](#);
 - President Juncker's [2018 State of the Union Address](#);
- for an EU-Africa partnership of equals.



EU-Africa Global Health

What are the objectives, expected impacts and scope?

Objectives: To increase health security in sub-Saharan Africa and Europe by:

- accelerating clinical development of effective, safe, accessible, suitable and affordable health technologies and health systems interventions for infectious diseases;
- in partnership with Africa and international funders.

Timeframe: Duration of Horizon Europe and beyond.

Expected impacts:

- Increased health security: decrease the threat of spread of outbreaks/pandemics and the growing threat of antimicrobial resistance (AMR);
- Reduced economic and social burden of infectious diseases;
- Strengthened European and African scientific capacity;
- Better and more integrated health research & health services in Africa;
- Retaining a new generation of African scientists & addressing the chronic shortage of health workers in developing countries.

Scope:

- Clinical development of new health technologies for detection, prevention and treatment of infectious diseases.

Key changes: Inclusion of health security and antimicrobial resistance in the scope, and additional partners (international funders) to increase impact.

Links with other partnership candidates: Innovative Health Initiative; Pre-clinical/Clinical Health Research Partnership; Animal Health Partnership; Neighborhood, Development and International Cooperation Instrument and External Investment Plan

4. Missions



R&I Missions

R&I Missions

Relating EU's research and innovation better to society and citizens' needs; with strong visibility and impact

A mission is a portfolio of actions across disciplines intended to achieve a **bold and inspirational and measurable goal** within a set timeframe, with **impact** for society and policy making as well as relevance for a significant part of the European population and wide range of European citizens.

Horizon Europe defines mission characteristics and elements of governance, and 5 missions areas.

Specific missions will be programmed within the Global Challenges and European Industrial Competitiveness pillar (drawing on inputs from other pillars)

Adaptation to climate change, including societal transformation



Mission areas

Healthy oceans, seas, coastal and inland waters



Cancer

Climate-neutral and smart cities



Soil health and food

Mission Boards

- **Boards:**
 - Up to 15 members
 - Individuals appointed in a personal capacity
 - Diverse profiles: industry/ academia/policy makers and practitioners/ end-users and key stakeholders
- **Expression of Interest**
 - Call on published on 13/5 – **deadline 11/6 at 12.00**
http://ec.europa.eu/transparency/regexpert/index.cfm?do=calls.calls_for_appRTD-HORIZON-EUROPE-MISSION-BOARDS@ec.europa.eu
- **Next steps**
 - Chairs announced at 4 July COMPET Council
 - Composition of full board known by end July
 - First meetings by early Sept + R&I Days

Cancer mission Board



Expertise sought in:

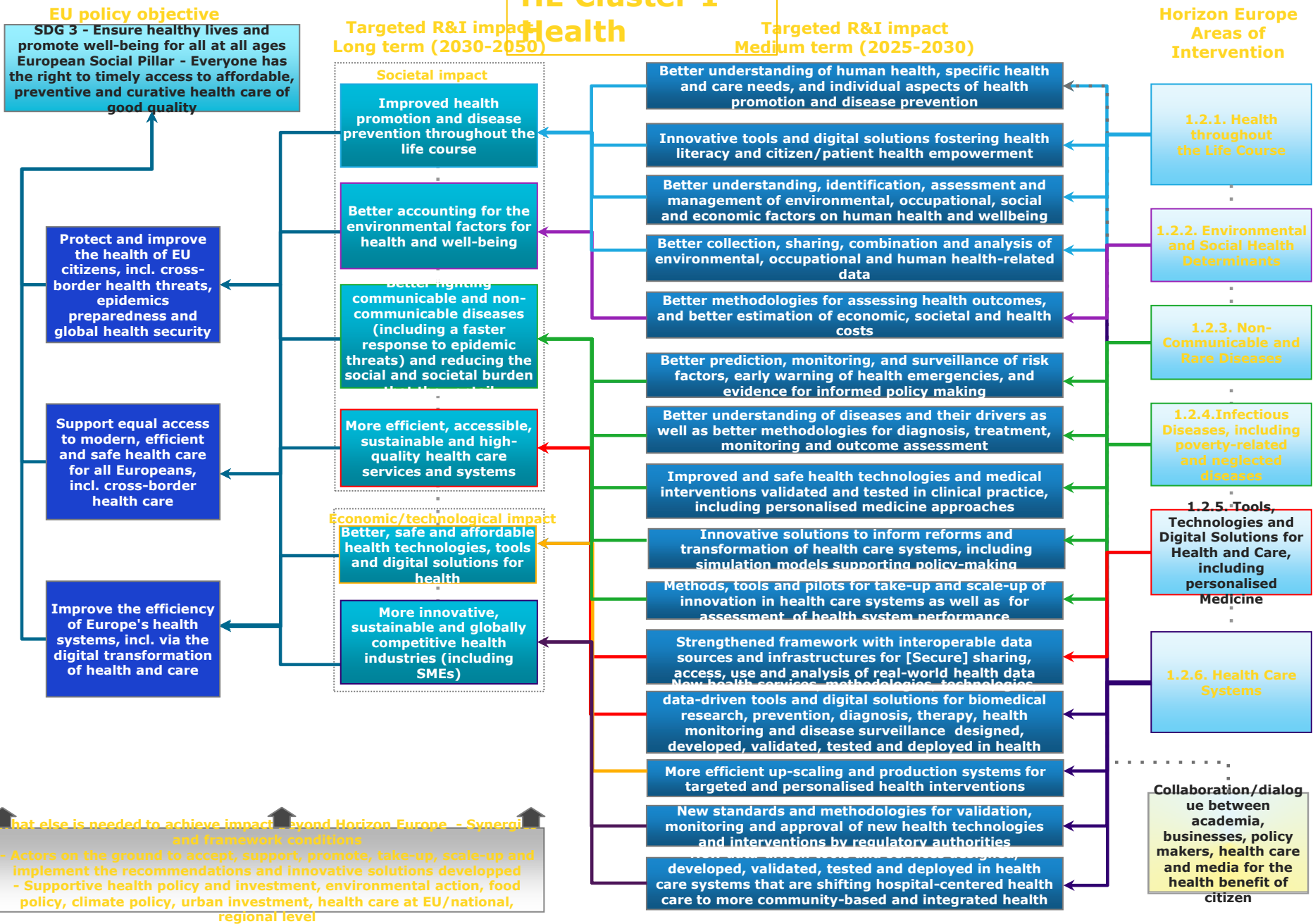
- cancer prevention, prediction, detection, diagnosis and treatment including clinical expertise in these areas;
- quality of life and end of life care;
- public health policy and practice;
- patient representation incl support groups and family counselling;
- innovation and business development;
- ethics.

http://ec.europa.eu/transparency/regexpert/index.cfm?do=calls.calls_for_app

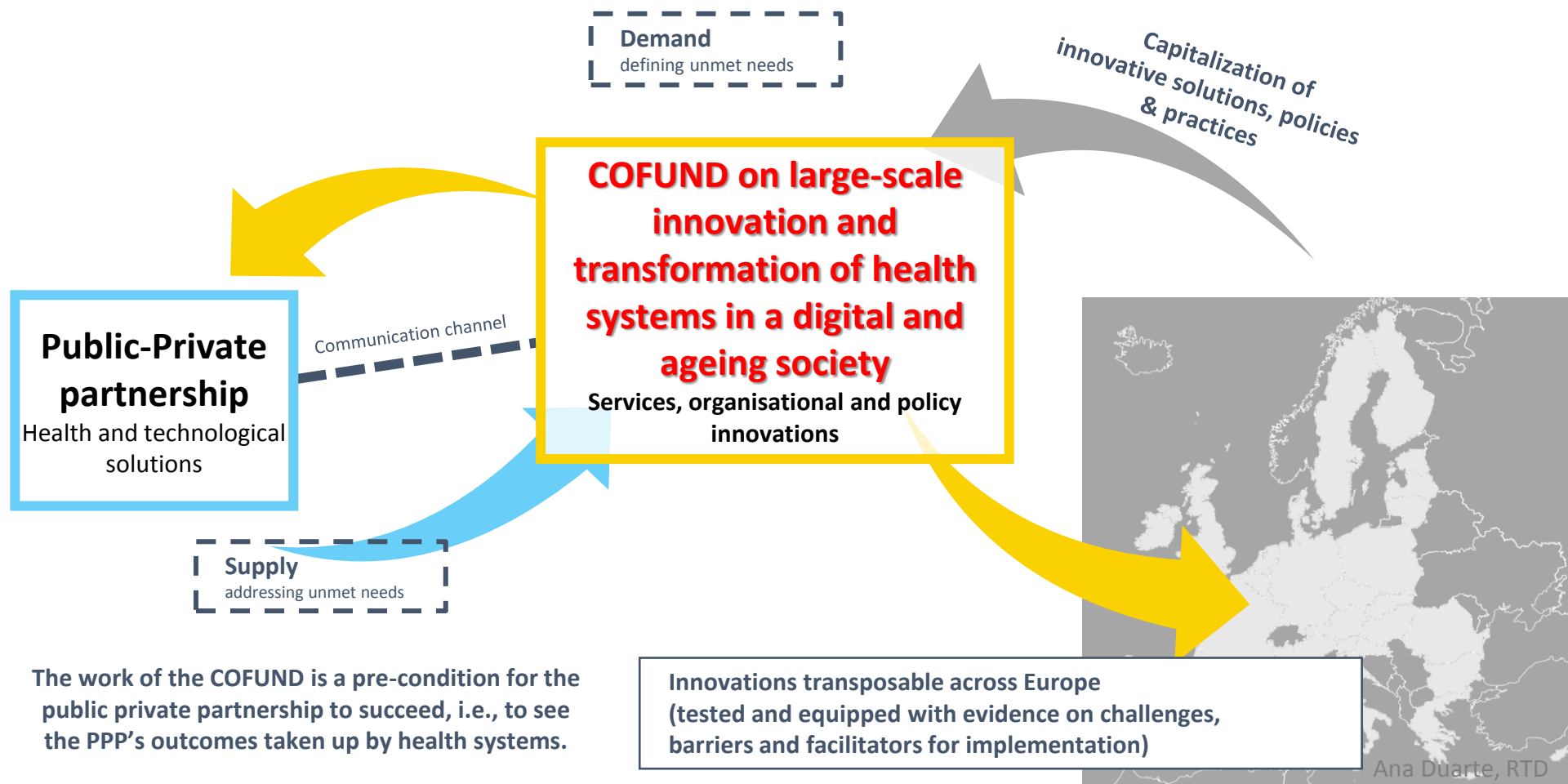
Background

HE Cluster 1 -

Health

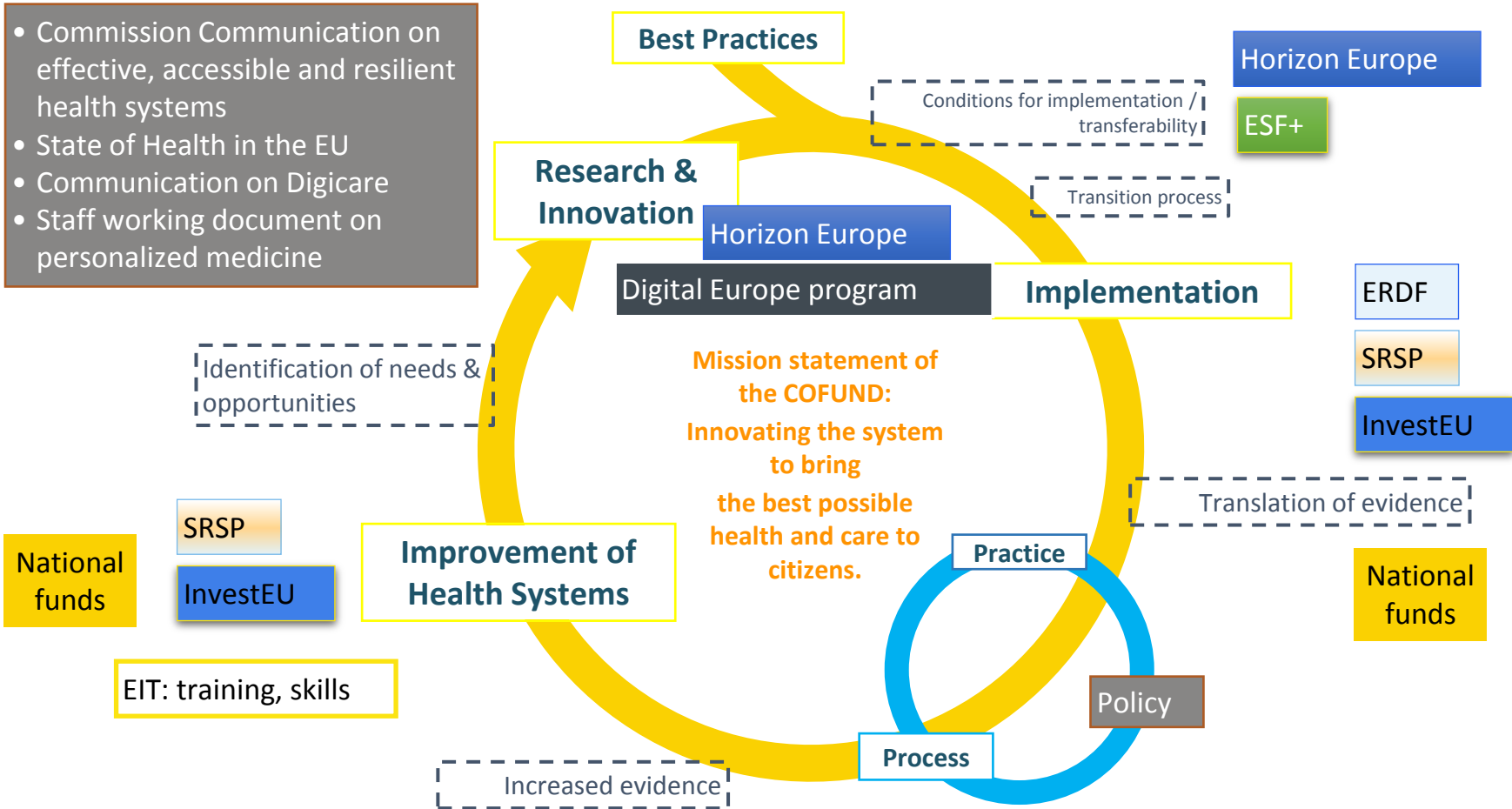


A pipeline mechanism for innovation in health systems...

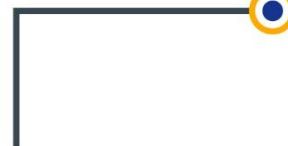
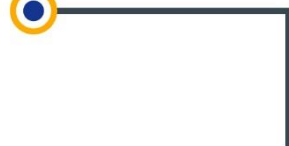


The work of the COFUND is a pre-condition for the public private partnership to succeed, i.e., to see the PPP's outcomes taken up by health systems.

A pipeline mechanism for innovation in health systems...

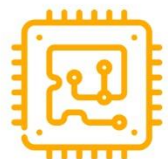


Health innovations & Global Health



Sustainable bio-based solutions

Key digital and enabling technologies



Hydrogen and sustainable energy storage

Metrology



Clean, connected mobility

EU air traffic, aviation and rail



Innovative SMEs

Areas for possible Institutionalised European partnerships (based on Article 185/187 TFEU)



European Commission