

# EU Funding Programmes supporting research on cancer: Horizon Europe

**Learning by doing LABs: Cancer**

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GOBIERNO  
DE ESPAÑA

MINISTERIO  
DE CIENCIA, INNOVACIÓN  
Y UNIVERSIDADES



oficina  
europea





EUROPEAN UNION



#HorizonEU

# HORIZON EUROPE



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THE EU RESEARCH &  
INNOVATION PROGRAMME  
2021 - 2027

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# Horizon Europe

- The ambitious EU research and innovation framework programme (2021-2027)
- Horizon Europe Budget: €95.5 billion (including €5.4 billion from NGEU – Next Generation Europe – programme of EU for Recovery from COVID-19 crisis)
- Legal entities from the EU and associated countries can participate.

- Main objectives:



fuel EU's **scientific and technological excellence** and the strengthen the European Research Area (ERA)

**Science & technology**



tackle policy priorities, including **green and digital transitions** and Sustainable Development Goals

**Society**



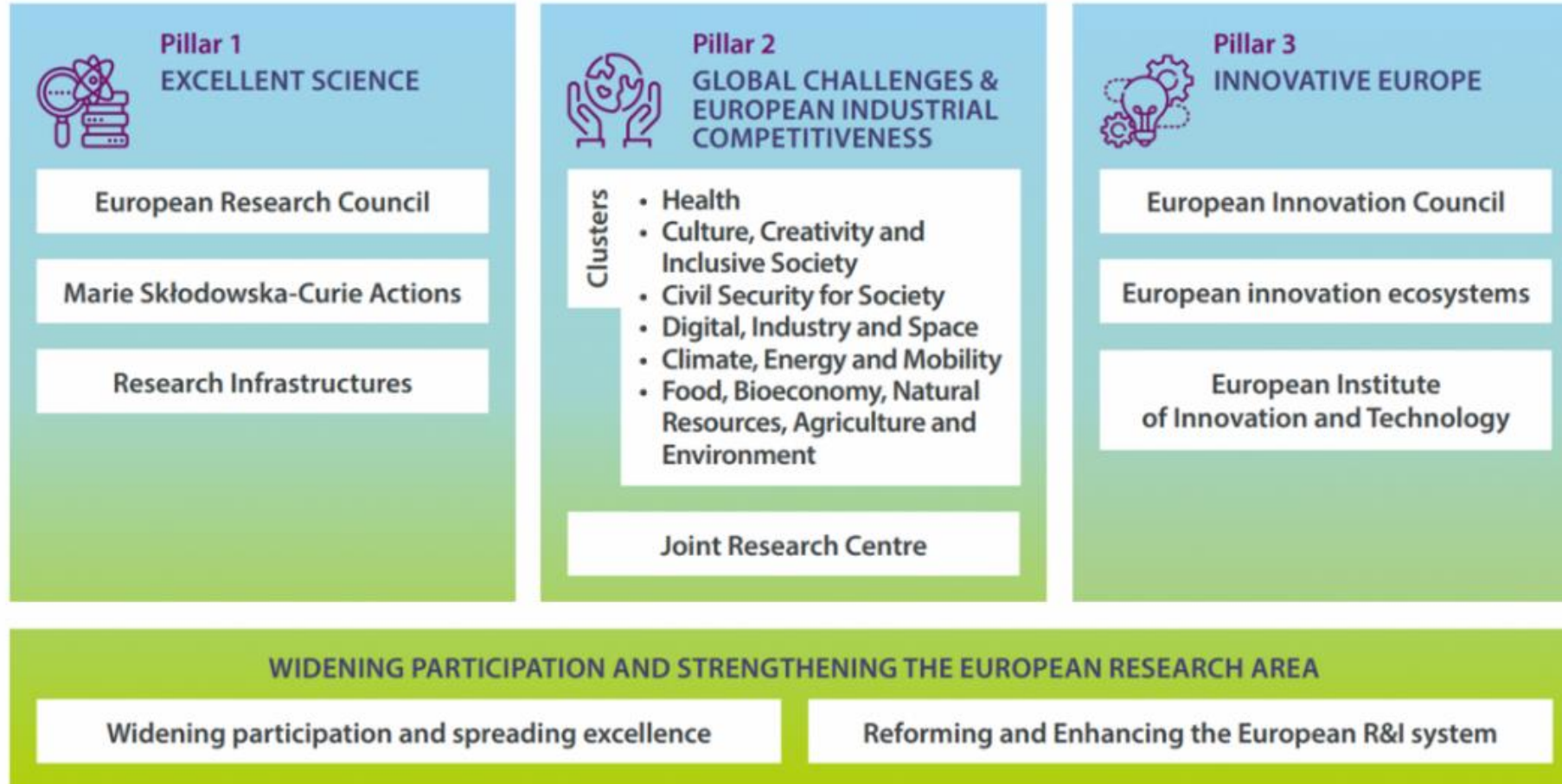
boost Europe's **innovation uptake, competitiveness and jobs**

**Economy**

**SDG-3: Good health and well-being  
Europe's Beating Cancer Plan**

# Horizon Europe – structure

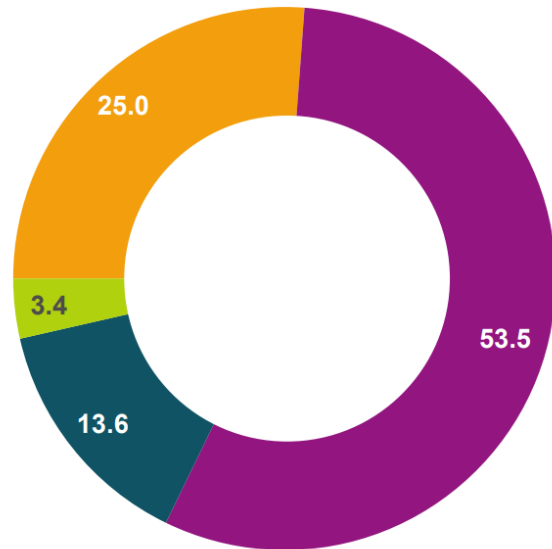
## THREE PILLARS FOR IMPLEMENTATION



# Horizon Europe - budget

## Political agreement December 2020 € billion in current prices

- Excellent Science
- Global challenges and European ind. comp.
- Innovative Europe
- Widening Part and ERA



## HORIZON EUROPE BUDGET

Horizon Europe programme structure

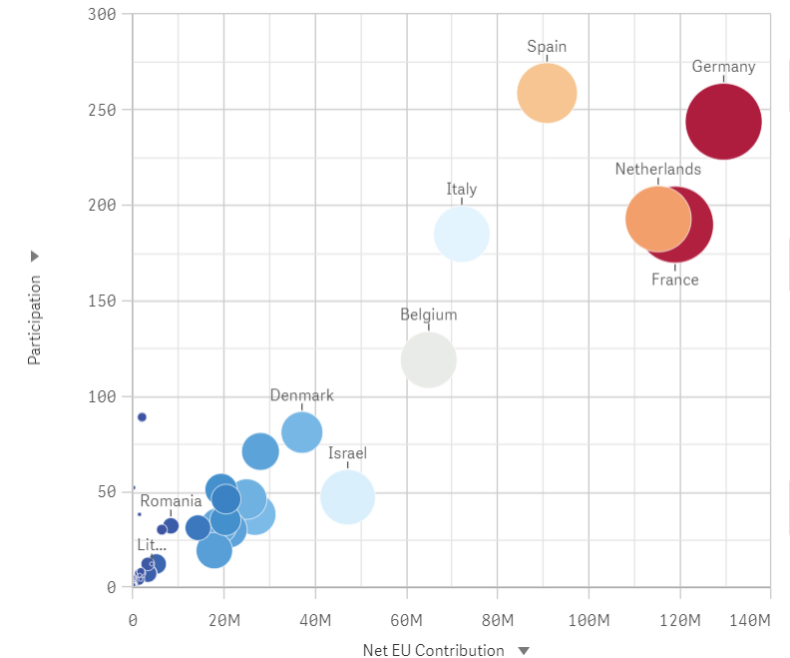
	Total in € million
<b>EXCELLENT SCIENCE</b> <i>of which</i>	<b>25 011</b>
The European Research Council (ERC)	16 004
Marie Skłodowska-Curie Actions (MSCA)	6 602
Research infrastructures	2 406
<b>GLOBAL CHALLENGES AND EUROPEAN INDUSTRIAL COMPETITIVENESS</b> <i>of which</i>	<b>53 516</b>
Health	8 246
Culture, creativity and inclusive society	2 280
Civil Security for Society	1 596
Digital, Industry and Space	15 349
Climate, Energy and Mobility	15 123
Food, Bioeconomy, Natural Resources, Agriculture and Environment	8 952
Non-nuclear direct actions of the Joint Research Centre (JRC)	1 970
<b>INNOVATIVE EUROPE</b> <i>of which</i>	<b>13 597</b>
European Innovation Council (EIC)	10 105
European innovation ecosystems	527
European Institute of Innovation and Technology (EIT)	2 965
<b>WIDENING PARTICIPATION &amp; STRENGTHENING THE EUROPEAN RESEARCH AREA</b> <i>of which</i>	<b>3 393</b>
Widening participation and spreading excellence	2 955
Reforming and enhancing the European R&I System	438
<b>TOTAL HORIZON EUROPE</b>	<b>95 517</b>

# Cancer research is not only restricted to the Health Cluster

Data from Horizon Dashboard – Horizon Europe + Oncology

HE PROGRAMME	Num projects	EU Contribution
European Research Council (ERC)	194	278.509.776,00 €
Marie Skłodowska-Curie Actions (MSCA)	166	95.333.935,04 €
Research infrastructures	3	27.490.438,50 €
Health	50	323.440.014,32 €
Civil Security for Society	1	4.243.347,50 €
Digital, Industry and Space	3	13.375.080,89 €
The European Innovation Council (EIC)	56	150.852.659,47 €
European innovation ecosystems	10	1.174.210,75 €
Widening participation and spreading excellence (-COST)	19	36.752.959,11 €
<b>TOTAL</b>	<b>502</b>	<b>931.172.421,58 €</b>

Overview by country - region



# Horizon Europe – Pillar I: Excellent Science

## PILLAR I EXCELLENT SCIENCE

- Bottom up projects
- Research-based projects with the objective of increasing the EU's scientific competitiveness.



### EUROPEAN RESEARCH COUNCIL (ERC)

Frontier research by the best researchers and their teams  
Funding schemes: Starting, Consolidator, Advanced, Synergy y PoC

DynamHet (H Clinic)



### MARIE SKŁODOWSKA-CURIE ACTIONS (MSCA)

Equipping researchers with new knowledge and skills through mobility and training  
Funding schemes: Doctoral Networks, Postdoctoral Fellowships, Staff Exchanges, COFUND

DN: ColoMARK (FIDIS)  
PF: NONCO-MICROTIS (FIMA)



### RESEARCH INFRASTRUCTURES (RI)

Integrated and interconnected world-class research infrastructures

RI. BBMRI  
CanServ

# Horizon Europe – Pillar II: Cluster Health

- Top-down topics contributing to EU policies
- Competitive projects (excellence, impact and implementation)
- Projects should provide new knowledge and innovative solutions to European challenges
- Involvement of end-users, patients, care givers, medical doctors, policy makers (↑ Impact).
- Disease agnostic topics , unless explicitly excluded in the topic, cancer is included
- Clinical trials can be funded
- Crosscutting issues: SSH, open science, gender in research

Pillar II include Work Programmes, Missions and Partnerships.





# Horizon Europe – Pillar III: Innovative Europe

## PILAR III INNOVATIVE EUROPE

- Stimulating market-creating breakthroughs and ecosystems conducive to innovation
- Innovative and disruptive technologies

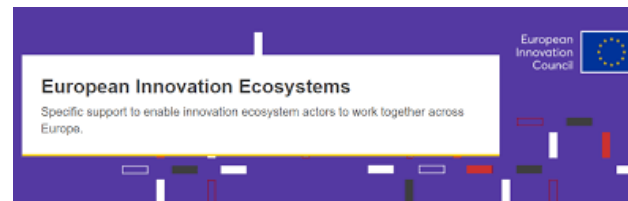


### EUROPEAN INNOVATION COUNCIL

Support to innovations with breakthrough and market creating potential

Funding schemes : Pathfinder, Transition, Accelerator. OPEN (bottom-up) o Challenges (top-down).

Pathfinder: Qustom (BSC)  
Accelerator: IOO - Improving IO  
(FASTBASE SOLUTIONS)



### EUROPEAN INNOVATION ECOSYSTEMS

Connecting with regional and national innovation actors

PRECISEU (BIOCAT)



### EIT-HEALTH

Bringing key actors (research, education and business) together around a common goal for nurturing innovation

Rare Cancer KIC

# Horizon Europe – Pillar IV

## WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

### PILAR IV WIDERA

- Supports geographic diversity
- Promotes networking and access to excellence to enhance participation in Pillar II and III

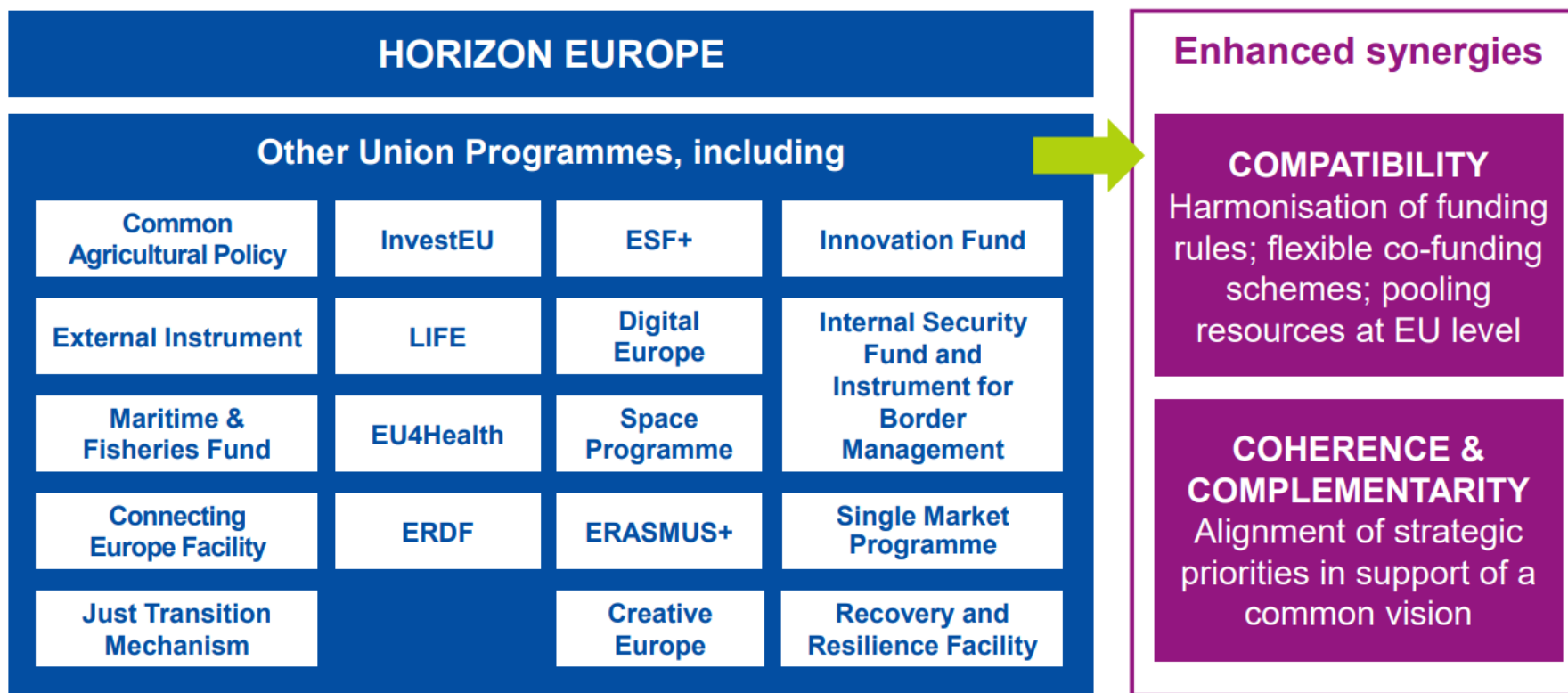


### COST ACTIONS

interdisciplinary research network that brings researchers and innovators together to investigate a topic of their choice for 4 years.

CA21152 - Implementation Network Europe for Cancer Survivorship Care (INE-CSC)

# Horizon Europe synergies



# Horizon Europe synergies

## Types of synergies

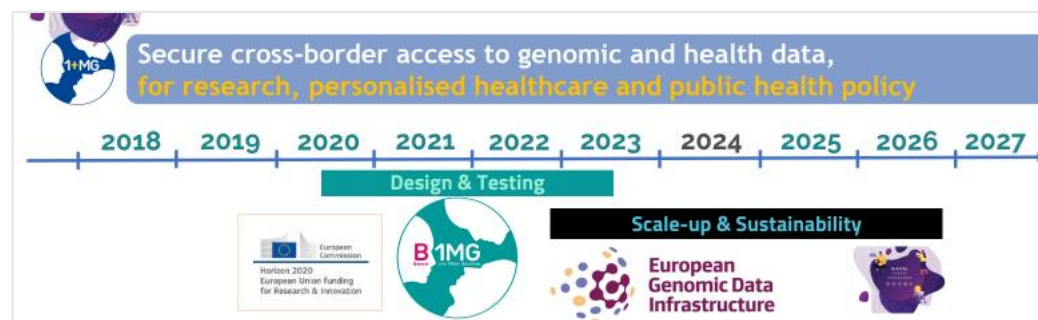
- Complementary funding



European Reference Networks



- Sequential funding



- Alternative funding



**CONVOCATORIA  
'SELLO DE EXCELENCIA  
ISCIII-HEALTH'**

AES 2022

GOBIERNO DE ESPAÑA MINISTERIO DE CIENCIA E INNOVACIÓN  
ISCIII Instituto de Salud Carlos III  
Plan de Investigación, Transformación y Resiliencia  
Financiado por la Unión Europea NextGenerationEU

# Horizon Europe vs EU4Health

	HNN 3.0		NFP4Health
	Horizon Europe Cluster Health	Mission Cancer	EU4Health
Focus	research and innovation		implementation and scale-up
Areas of action	<ul style="list-style-type: none"> <li>Health throughout the life course</li> <li>Environmental and social health determinants</li> <li>Non-communicable and rare diseases</li> <li>Infectious diseases including poverty-related and neglected diseases</li> <li>Tools, technologies and digital solutions for health and care including personalised medicine</li> <li>Health care systems</li> </ul>	Addressing the entire cancer disease pathway: <ul style="list-style-type: none"> <li>Prevention</li> <li>Early detection</li> <li>Diagnosis and treatment</li> <li>Quality of life of cancer patients and survivors</li> </ul>	<ul style="list-style-type: none"> <li>Crisis preparedness</li> <li>Health promotion &amp; disease prevention</li> <li>Health systems &amp; healthcare workforce</li> <li>Digital transformation</li> <li>Cross-cutting focus on cancer</li> </ul>
Type of actions	Open competition: <ul style="list-style-type: none"> <li>Research &amp; Innovation actions (RIA)</li> <li>Innovation actions (IA)</li> <li>Coordination &amp; support actions (CSA)</li> <li>Pre-Commercial Procurement (PCP)</li> <li>Public Procurement of Innovative Solutions (PPI)</li> </ul> Targeted calls for funding authorities (funding agencies, Member States' authorities): <ul style="list-style-type: none"> <li>Programme co-fund actions (CoFund)</li> </ul>		Direct Grants: <ul style="list-style-type: none"> <li>to Member States' authorities (nomination needed), including Joint Actions</li> <li>to international organizations</li> <li>to other entities (e.g., European Reference Networks and EU Reference Laboratories)</li> </ul> Grants with open competition: <ul style="list-style-type: none"> <li>Action Grants</li> <li>Operating Grants to NGOs</li> </ul> Tenders & Procurement
Target group	Academia with emphasis on the research community, NGOs, associations, healthcare providers, SMEs & industry, public authorities and -institutions		Public authorities and -institutions, academia, NGOs, associations, healthcare providers, private sector entities (to a smaller degree)
Eligible countries	EU Member States + Overseas Countries and Territories (OCTs) + <a href="#">associated countries to HE + low- to middle-income non-EU countries</a>		EU Member States + <a href="#">OCTs</a> + <a href="#">Iceland, Moldova, Norway, Ukraine</a> (Eligible beneficiaries of Grants) All of the above + <a href="#">Georgia</a> (Eligible tenderers of Procurements)  Entities from other countries not listed here may participate as Associated Partners in an EU4Health action if appropriate but may not receive funding from the programme.



	HNN 3.0		NFP4Health
	Horizon Europe Cluster Health	Mission Cancer	EU4Health
Call cycle	Bi-annual work programmes	Yearly Call for Proposals	<ul style="list-style-type: none"> <li>Annual work programmes</li> <li>Yearly Call for Proposals: Operating Grants</li> <li>One or more wave(s) of Calls for Proposals per year for other Grants (Direct Grants incl. Joint Actions; Action Grants)</li> <li>Frequent Calls for Tenders</li> </ul>
Funding rate grants	70% - 100%, 30% depending on type of action and type of organization	70% - 100% depending on type of action and type of organization	60% - 80% depending on consortium composition (countries)
Managed by	HaDEA		
Find a call	<a href="#">Horizon Europe on the F&amp;T Portal</a>		<a href="#">EU4Health on the F&amp;T Portal</a>
Find your national point of contact	<a href="#">List of NCPs</a>		<a href="#">List of NFPs</a>
Find resources via the contact point networks	<a href="https://www.healthncp.net/">https://www.healthncp.net/</a>		<a href="https://www.nfp4health.eu/">https://www.nfp4health.eu/</a>

Thanks!  
Any question?



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