

# Horizon Europe

THE NEXT EU RESEARCH & INNOVATION  
INVESTMENT PROGRAMME (2021 – 2027)

#HorizonEU

INNOVAZIONE E COMPETITIVITA, OPPORTUNITA' E  
INCLUSIONE: L'EVENTO ANNUALE DEI FONDI SIE

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Niccolò Querci – DG R&I – Commissione Europea



# R&I as driver and enabler of change

Europe faces **societal, ecological and economic challenges**, aggravated by **#coronavirus** → **research and innovation** are best placed to:



## Accelerate the twin transition

and new solutions in areas such as the decarbonisation of industry or sustainable mobility



## Strengthen resilience and prepare crises

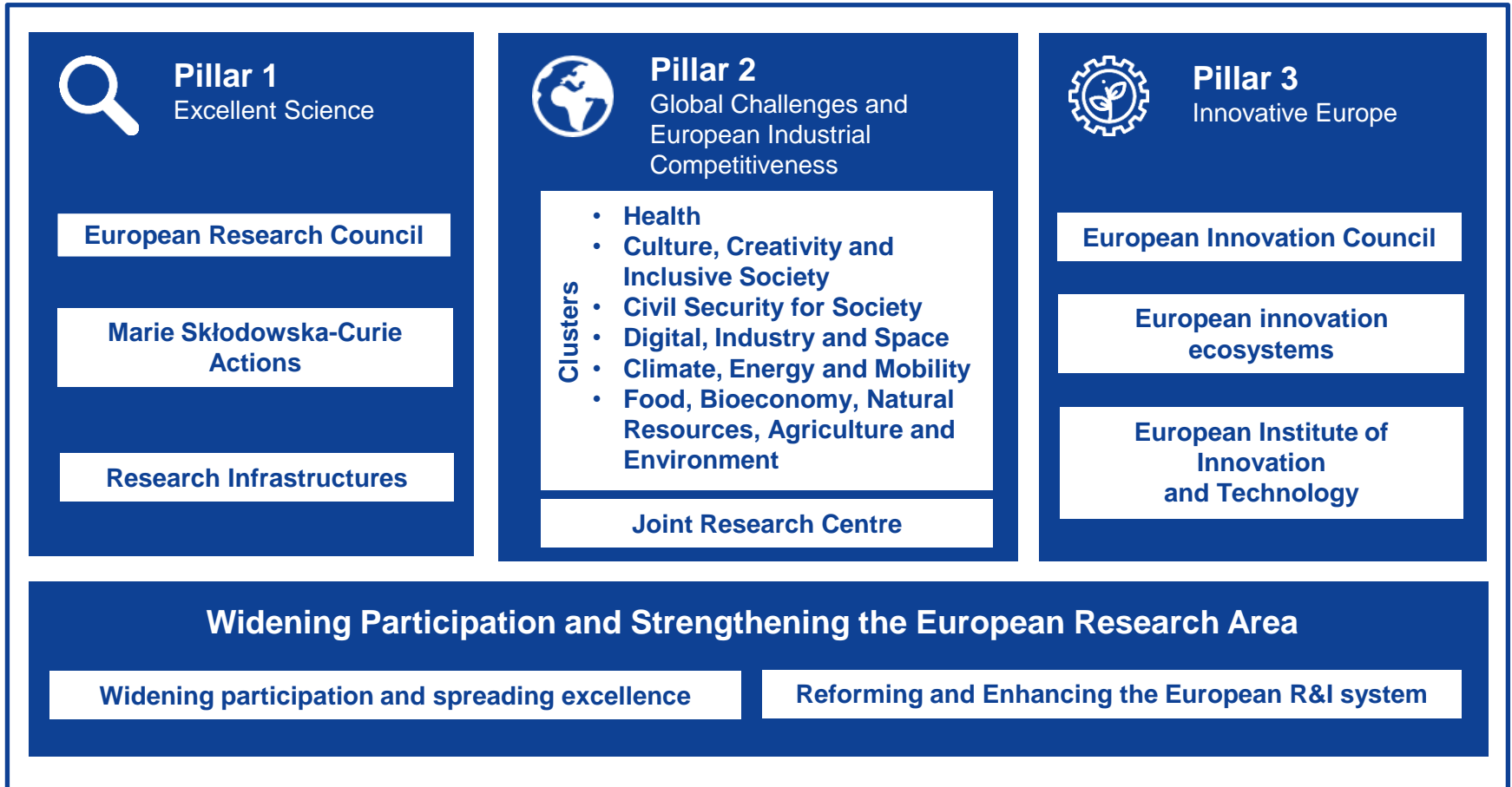
health, digital, socio-economic and climate R&I are essential



## Support Europe's competitive edge

in the global race for knowledge and tech sovereignty in cybersecurity, space, AI, 5G and e-mobility

# Horizon Europe: Structure



# A Climate Resilient Europe - Prepare Europe for climate disruptions and accelerate the transformation to a climate resilient and just Europe by 2030

**Mission Starfish  
2030: Restore our  
Ocean and Waters**



**Conquering  
Cancer: Mission  
Possible**



**From '*mission  
areas*' to  
Missions**

**100 Climate-  
Neutral Cities by  
2030 - by and for  
the citizens**



**Caring for Soil  
is Caring for  
Life**

A final decision on mission to bring forward is pending  
Titles are mission board proposals and are due to be  
refined.

# Portfolio of candidates for European Partnerships (49)

## *HEALTH*

EU-Africa Global Health (EDCTP3)  
Innovative Health Initiative  
Partnership for Risk Assessment of Chemicals  
Fostering an ERA for Health Research  
Transformation of Health Care Systems  
Personalised Medicine  
Rare Diseases  
One Health / Antimicrobial Resistance

## *DIGITAL, INDUSTRY AND SPACE*

High Performance Computing  
Key Digital Technologies  
Smart Networks and Services  
Photonics; AI, data and robotics  
Clean Steel - Low Carbon Steelmaking  
European Metrology; Made in Europe  
Processes4Planet  
Global competitive space systems

## *PILLAR III AND CROSS-PILLAR*

EIT Climate KIC  
EIT Health  
EIT Manufacturing  
EIT Food  
EIT InnoEnergy  
EIT Raw Materials  
EIT Digital  
EIT Urban Mobility  
EIT Cultural and  
Creative Industries  
Innovative SMEs  
European Open Science  
Cloud (EOSC)

## *CLIMATE, ENERGY AND MOBILITY*

Europe's Rail  
Integrated Air Traffic Management;  
Clean Aviation  
Clean Hydrogen  
Batteries  
Zero-emission Waterborne Transport  
Towards zero-emission road transport  
Connected and Automated Mobility  
Built4People  
Driving urban transitions to a sustainable future  
Clean Energy Transition

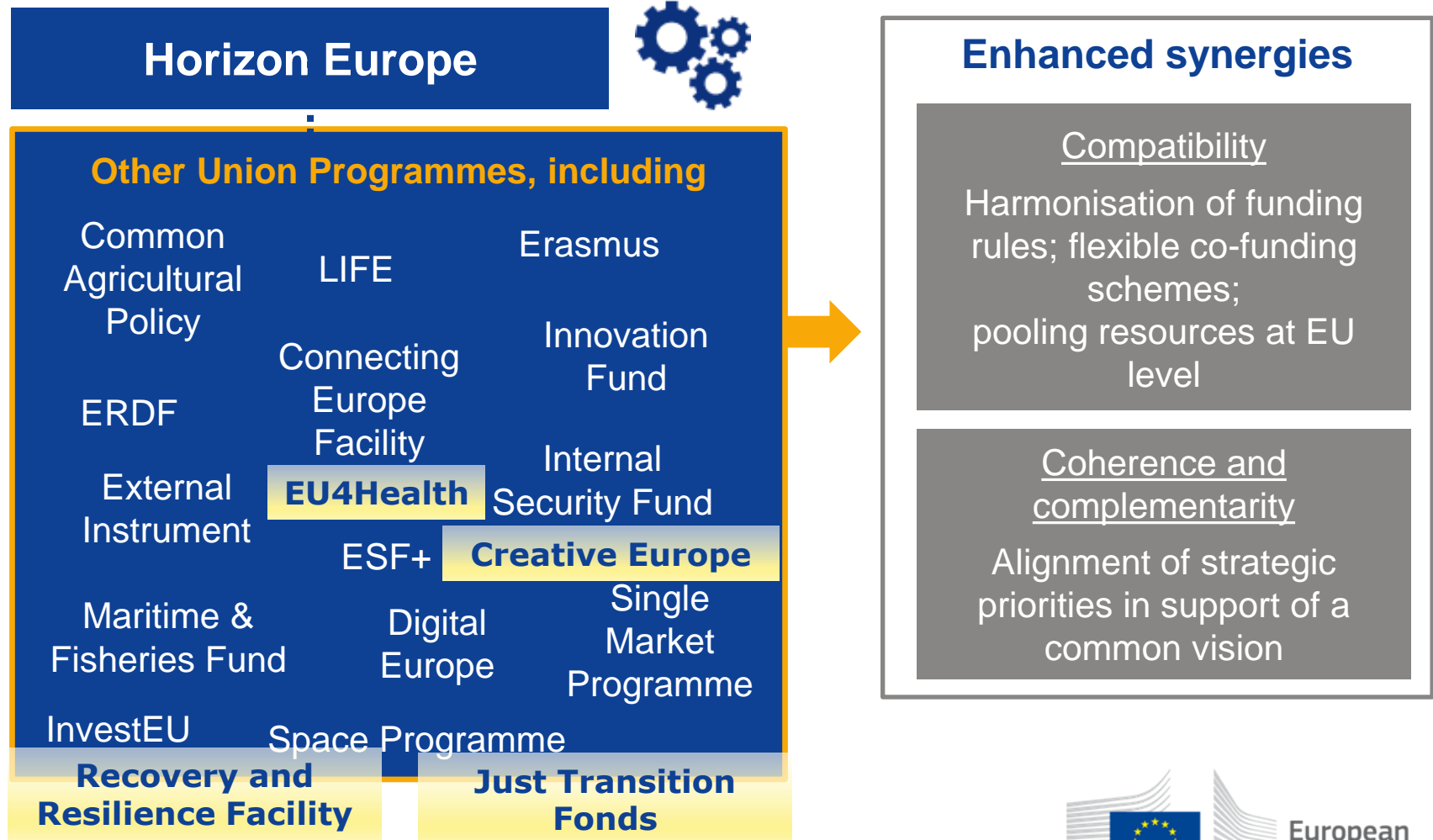
## *FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT*

Accelerating farming systems transition  
Animal Health and Welfare  
Agriculture of Data  
Rescuing biodiversity to Safeguard Life on Earth  
A climate neutral, sustainable and productive Blue  
Economy  
Safe and Sustainable Food System for People, Planet &  
Climate  
Circular bio-based Europe  
Water4All: Water security for the planet

*Cluster allocation tbc*  
Pandemic preparedness  
and societal resilience

# Annex IV to the Horizon Europe Regulation

## - strategic alignment



# Steps towards the publication of first Horizon Europe work programme





*“With Horizon Europe, we step up our ambition for a sustainable future. The programme will maximise its impact by strengthening our scientific and technological bases, boosting our innovation capacity, driving the green and digital transitions and supporting an inclusive recovery.”*

**Mariya Gabriel, Commissioner for Innovation, Research, Culture, Education and Youth.**  
29/9/2020







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