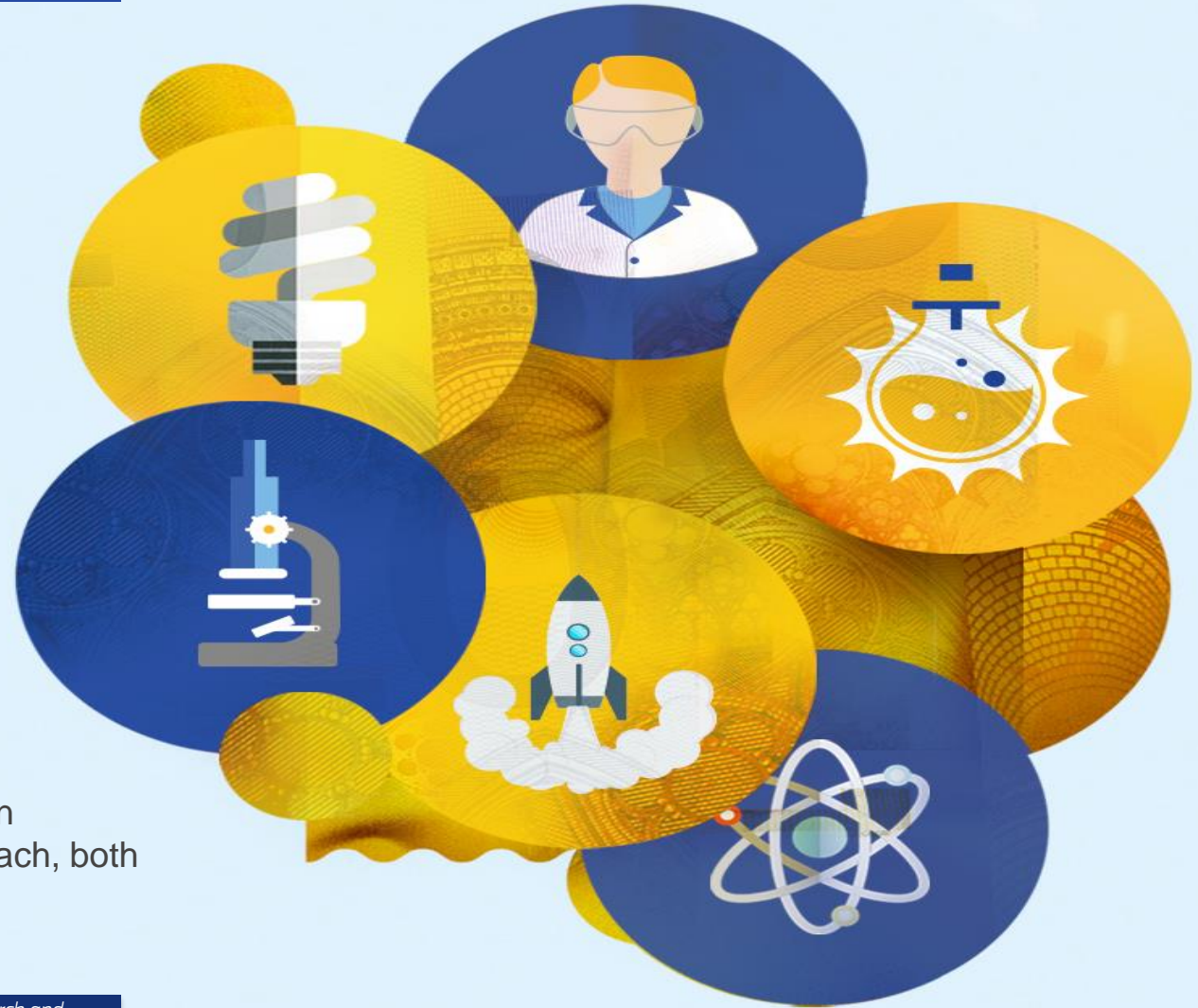


# Horizon Europe

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

#HorizonEU

Based on the Commission Proposal for Horizon Europe, the common understanding between co-legislators and the Partial General Approach, both approved in April 2019



# 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**



Credits: <https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

# 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**

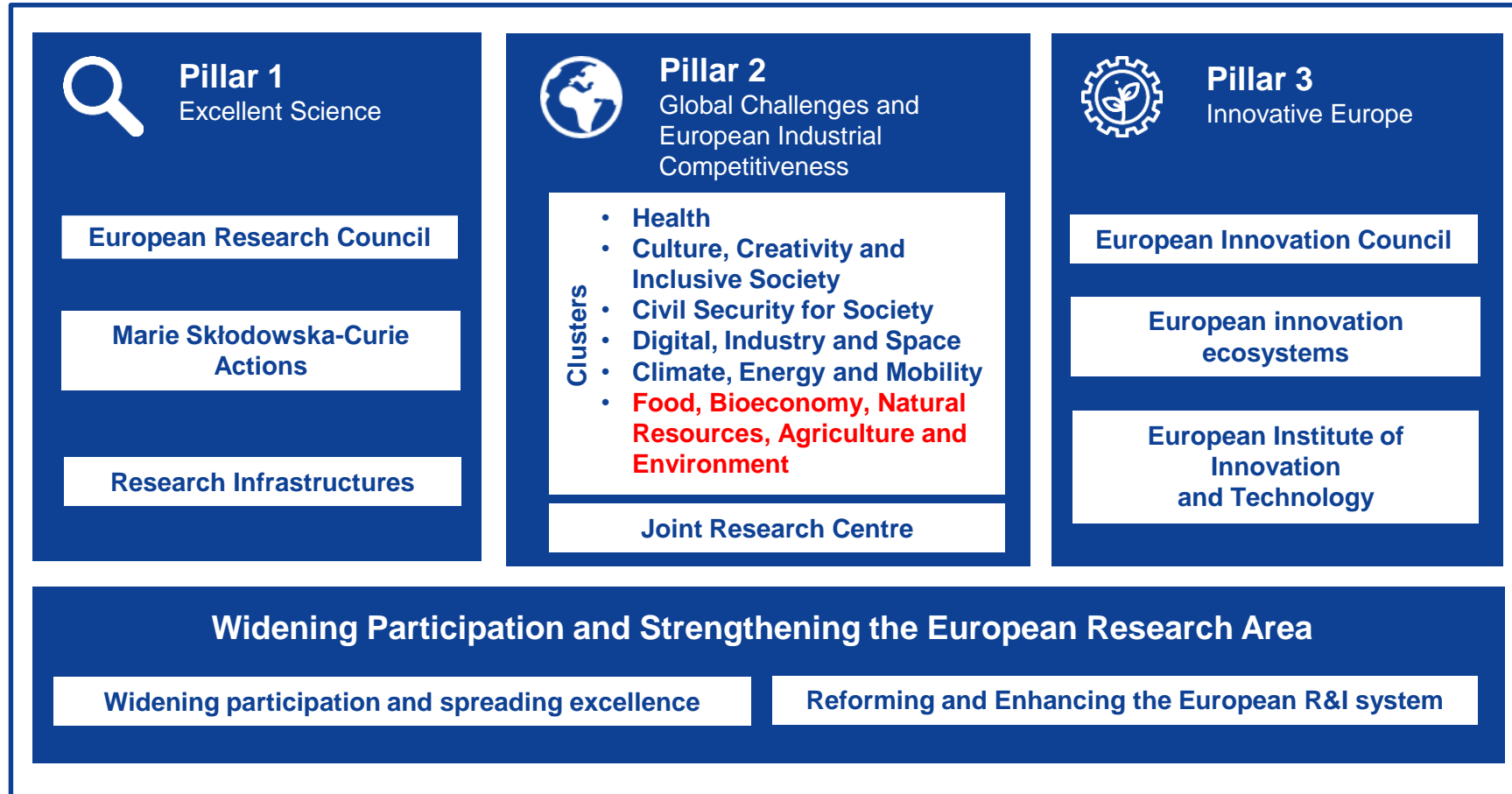
The Commission proposes a budget of € 100 billion for Horizon Europe.

# European Parliament and Council reached a common understanding on Horizon Europe on 19 March 2019

- Budget, synergies and third country association still pending, depending on the overall MFF negotiations
- Commission has started preparations for the implementation of Horizon Europe



# Horizon Europe: Preliminary structure



## Clusters in 'Global Challenges and Industrial Competitiveness'

Clusters	Areas of intervention	
<b>Health</b>	<ul style="list-style-type: none"> <li>• Health throughout the life course</li> <li>• Non-communicable and rare diseases</li> <li>• Tools, technologies and digital solutions for health and care, including personalised medicine</li> </ul>	<ul style="list-style-type: none"> <li>• Environmental and social health determinants</li> <li>• Infectious diseases, including poverty-related and neglected disease</li> <li>• Health care systems</li> </ul>
<b>Culture, creativity and inclusive society</b>	<ul style="list-style-type: none"> <li>• Democracy and Governance</li> <li>• Social and economic transformations</li> </ul>	<ul style="list-style-type: none"> <li>• Culture, cultural heritage and creativity</li> </ul>
<b>Civil security for society</b>	<ul style="list-style-type: none"> <li>• Disaster-resilient societies</li> <li>• Protection and Security</li> </ul>	<ul style="list-style-type: none"> <li>• Cybersecurity</li> </ul>
<b>Digital, Industry and space</b>	<ul style="list-style-type: none"> <li>• Manufacturing technologies</li> <li>• Advanced materials</li> <li>• Next generation internet</li> <li>• Circular industries</li> <li>• Space, including Earth Observation</li> <li>• Emerging enabling technologies</li> </ul>	<ul style="list-style-type: none"> <li>• Key digital technologies, including quantum technologies</li> <li>• Artificial Intelligence and robotics</li> <li>• Advanced computing and Big Data</li> <li>• Low-carbon and clean industry</li> <li>• Emerging enabling technologies</li> </ul>
<b>Climate, Energy and Mobility</b>	<ul style="list-style-type: none"> <li>• Climate science and solutions</li> <li>• Energy systems and grids</li> <li>• Communities and cities</li> <li>• Industrial competitiveness in transport</li> <li>• Smart mobility</li> </ul>	<ul style="list-style-type: none"> <li>• Energy supply</li> <li>• Buildings and industrial facilities in energy transition</li> <li>• Clean, safe and accessible transport and mobility</li> <li>• Energy storage</li> </ul>
<b>Food, bioeconomy, natural resources, agriculture and environment</b>	<ul style="list-style-type: none"> <li>• Environmental observation</li> <li>• Agriculture, forestry and rural areas</li> <li>• Circular systems</li> <li>• Food systems</li> </ul>	<ul style="list-style-type: none"> <li>• Biodiversity and natural resources</li> <li>• Seas, oceans and inland waters</li> <li>• Bio-based innovation systems in the EU Bioeconomy</li> </ul>



# Lessons Learned

from Horizon 2020 Interim Evaluation

-  Support breakthrough innovation →
-  Create more impact through mission-orientation and citizens' involvement →
-  Strengthen international cooperation →
-  Reinforce openness →
-  Rationalise the funding landscape →
-  Encourage participation →

# Key Novelties

in Horizon Europe



# 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



# Steps towards the first Horizon Europe work programme



# Thank you!

**#InvestEUresearch**

**#HorizonEU**

[https://ec.europa.eu/info/designing-next-research-and-innovation-framework-programme/what-shapes-next-framework-programme\\_en?pk\\_campaign=rtd\\_news](https://ec.europa.eu/info/designing-next-research-and-innovation-framework-programme/what-shapes-next-framework-programme_en?pk_campaign=rtd_news)

