



# Horizon Europe

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

#HorizonEU

DG Research and Innovation  
September 2018

*Research and  
Innovation*





**'With growing international competition, Europe needs to act urgently on research and innovation.'**



**The proposed € 100 billion for the next EU research and innovation programme would be a huge boost.'**

**Carlos Moedas, Commissioner, 15/05/2018**



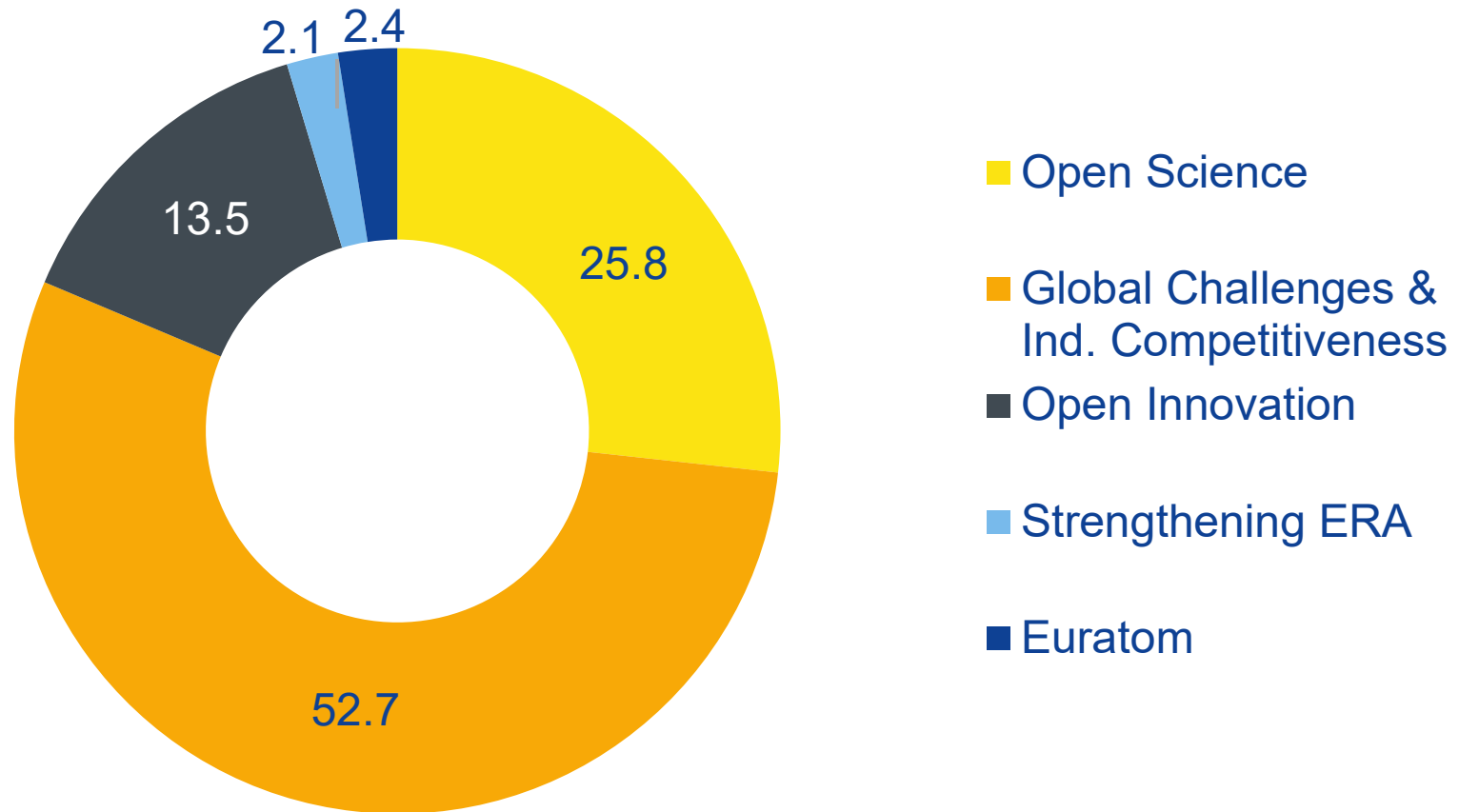
# Horizon Europe fits in the R&I agenda

- Ensuring public investment, stimulating private investment
- Making regulatory frameworks fit for innovation
- Becoming a front runner in market-creating innovation
- Involving citizens through EU-wide R&I missions
- Investing in skills and empower universities to become more entrepreneurial
- Think synergy and collaboration: between EU policies, with member states, between disciplines and sectors

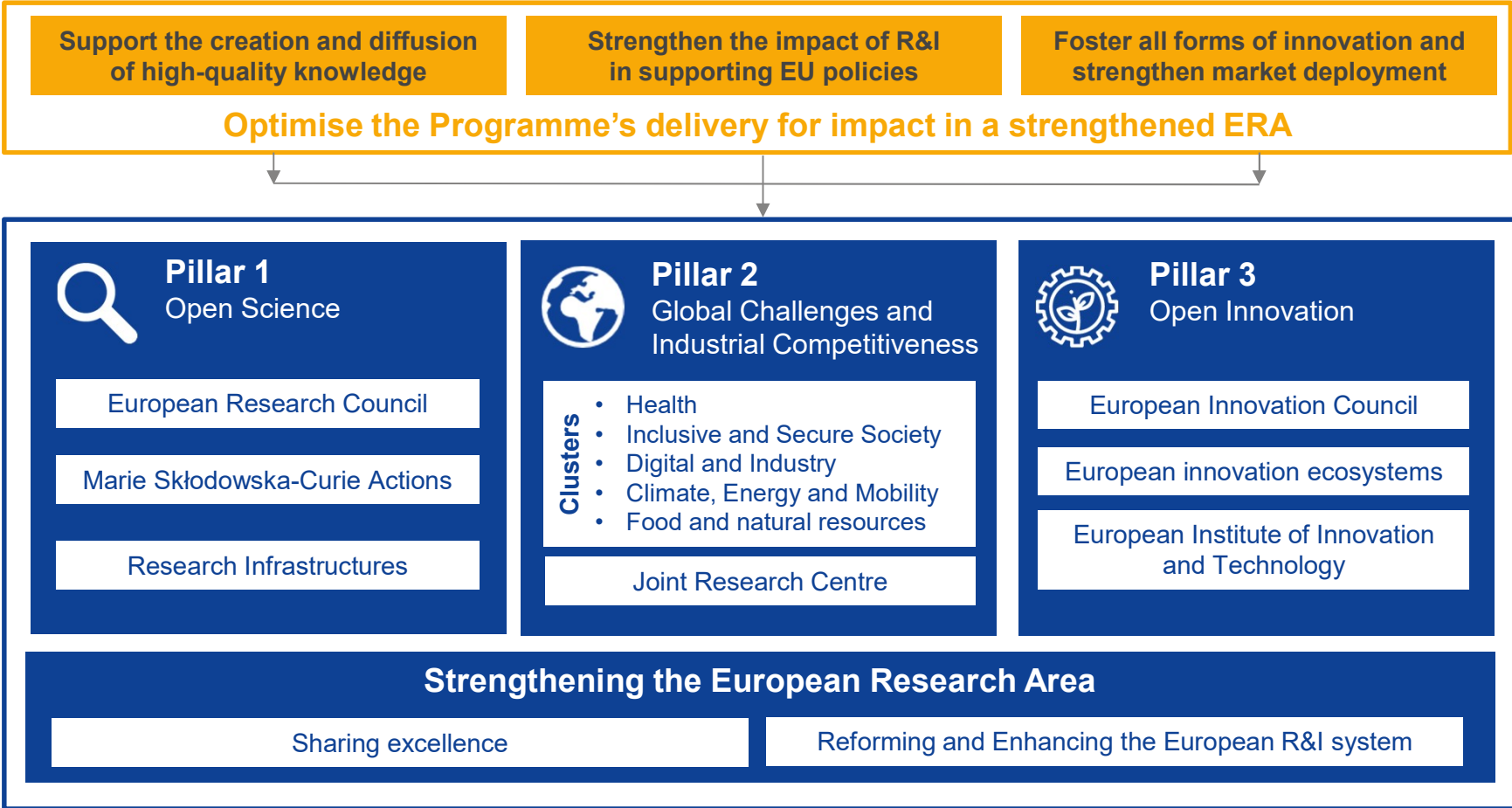


# Proposed budget: €100 billion\*

(2021-2027, current prizes, incl. € 3.5 b for InvestEU)



# Horizon Europe: evolution



# 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



More synergies with other EU programmes



# Key novelties in Horizon Europe

European Innovation Council

R&I Missions

Extended association possibilities

Open science policy

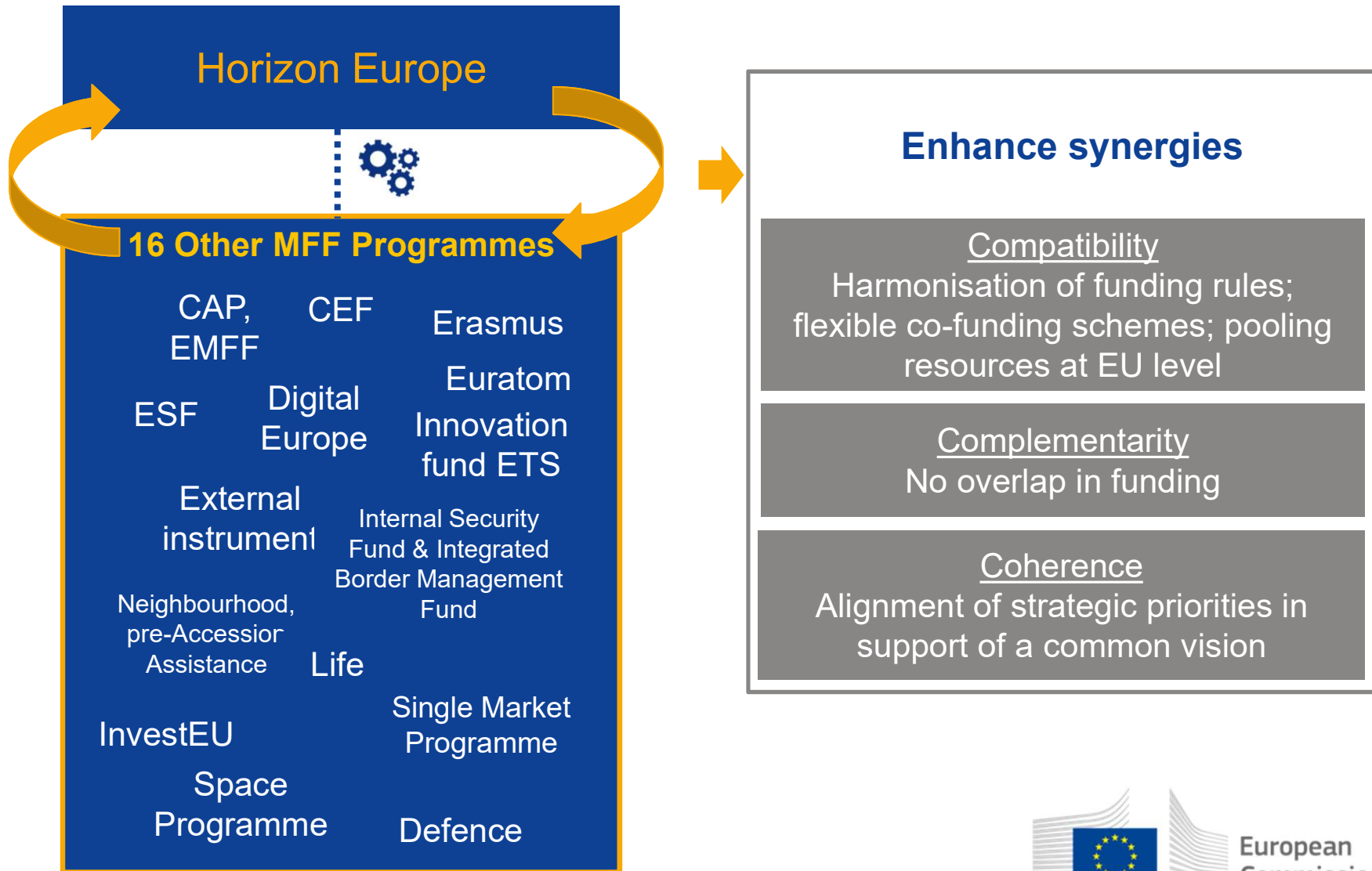
New approach to Partnerships

Synergies with 16 other programmes

# Pillar II Global challenges and industrial competitiveness: the areas

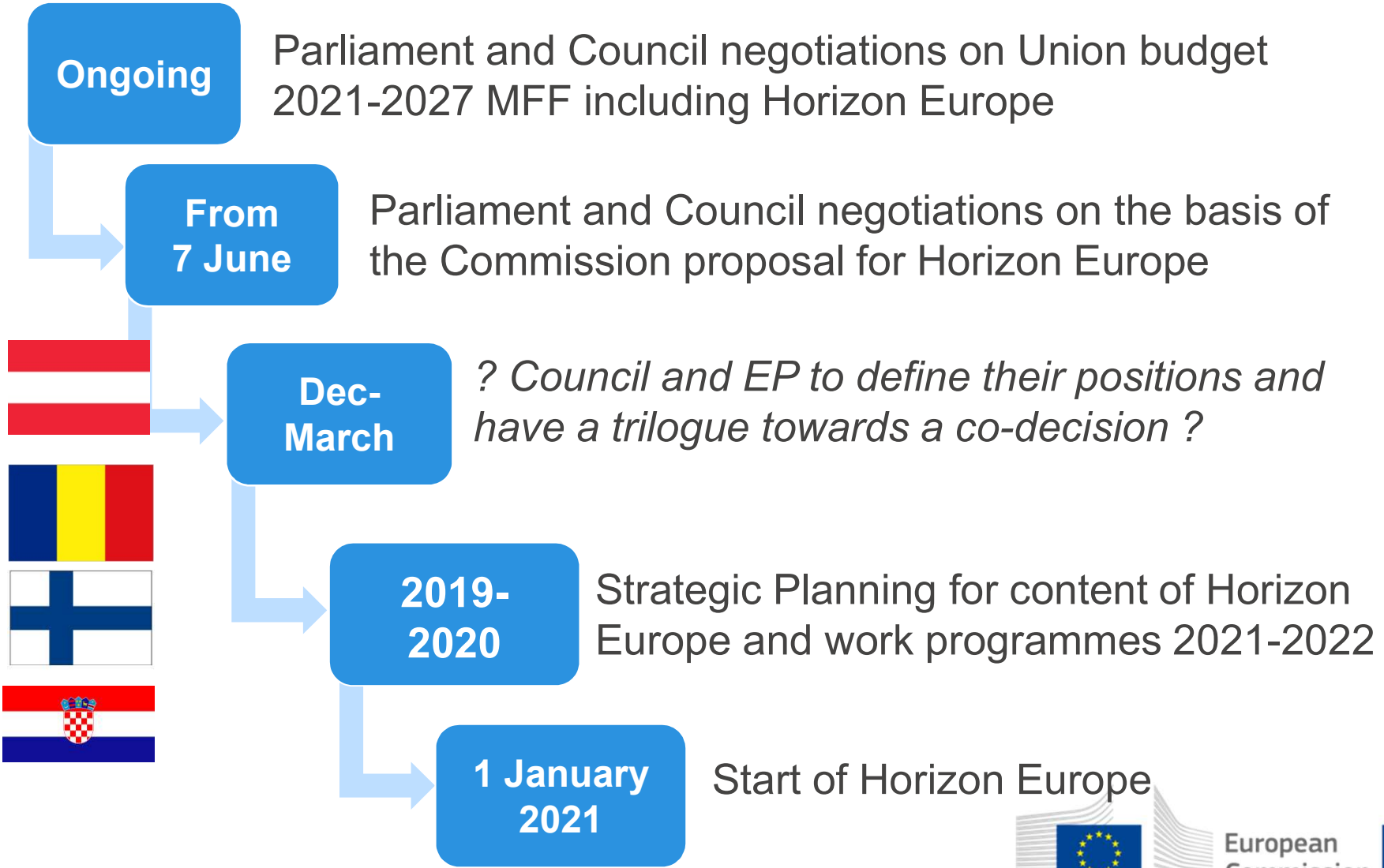
Clusters	Areas of intervention	
Health	<ul style="list-style-type: none"> <li>* Health throughout the life course</li> <li>* Non-communicable and rare diseases</li> <li>* Tools, technologies and digital solutions for health and care</li> </ul>	<ul style="list-style-type: none"> <li>* Environmental and social health determinants</li> <li>* Infectious diseases</li> <li>* Health care systems</li> </ul>
Inclusive and Secure Society	<ul style="list-style-type: none"> <li>* Democracy</li> <li>* Social and economic transformations</li> <li>* Protection and Security</li> </ul>	<ul style="list-style-type: none"> <li>* Cultural heritage</li> <li>* Disaster-resilient societies</li> <li>* Cybersecurity</li> </ul>
Digital and Industry	<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</li> </ul>	<ul style="list-style-type: none"> <li>* Key digital technologies</li> <li>* Artificial intelligence and robotics</li> <li>* Advanced computing and Big Data</li> <li>* Low carbon and clean industry</li> </ul>
Climate, Energy and Mobility	<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 transport and mobility</li> <li>* Energy storage</li> </ul>
Food and Natural Resources	<ul style="list-style-type: none"> <li>* Environmental observation</li> <li>* Agriculture, forestry and rural areas</li> <li>* Food systems</li> <li>* Circular systems</li> </ul>	<ul style="list-style-type: none"> <li>* Biodiversity and natural capital</li> <li>* Sea and oceans</li> <li>* Bio-based innovation systems</li> </ul>

# EU programmes working together for impact





# Next steps



# Negotiations with Council and EP

- About **1000** pages of amendments from EU member states
- More than **500** amendments from EP Rapporteurs
- Almost **4000** amendments from other Members of the EP



## Moments to watch

- COMPET Council on **28** September
- EP-ITRE vote on **21** November
- EP-Plenary vote on **28-29** November
- COMPET Council on **30** November

# Some of the hot potatoes

## Legal basis

Specific Programme:  
single vs double  
legal basis

## Strategic Plan

Content and form

## Mission and Partnership Areas

When and what?

## Sharing Excellence

Brain circulation and  
openness of  
networks

## Structure

Pillars and clusters

## EIC

Support to  
incremental  
innovation,  
relation with EIT

## International Cooperation

Association of third  
countries  
BREXIT

## Synergies

Alignment of  
provisions between  
different proposals

## Budget

Overall (MFF),  
budget divisions,  
flexibility,  
poss. ceilings etc





# Thank you!

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<http://ec.europa.eu/horizon-europe>