

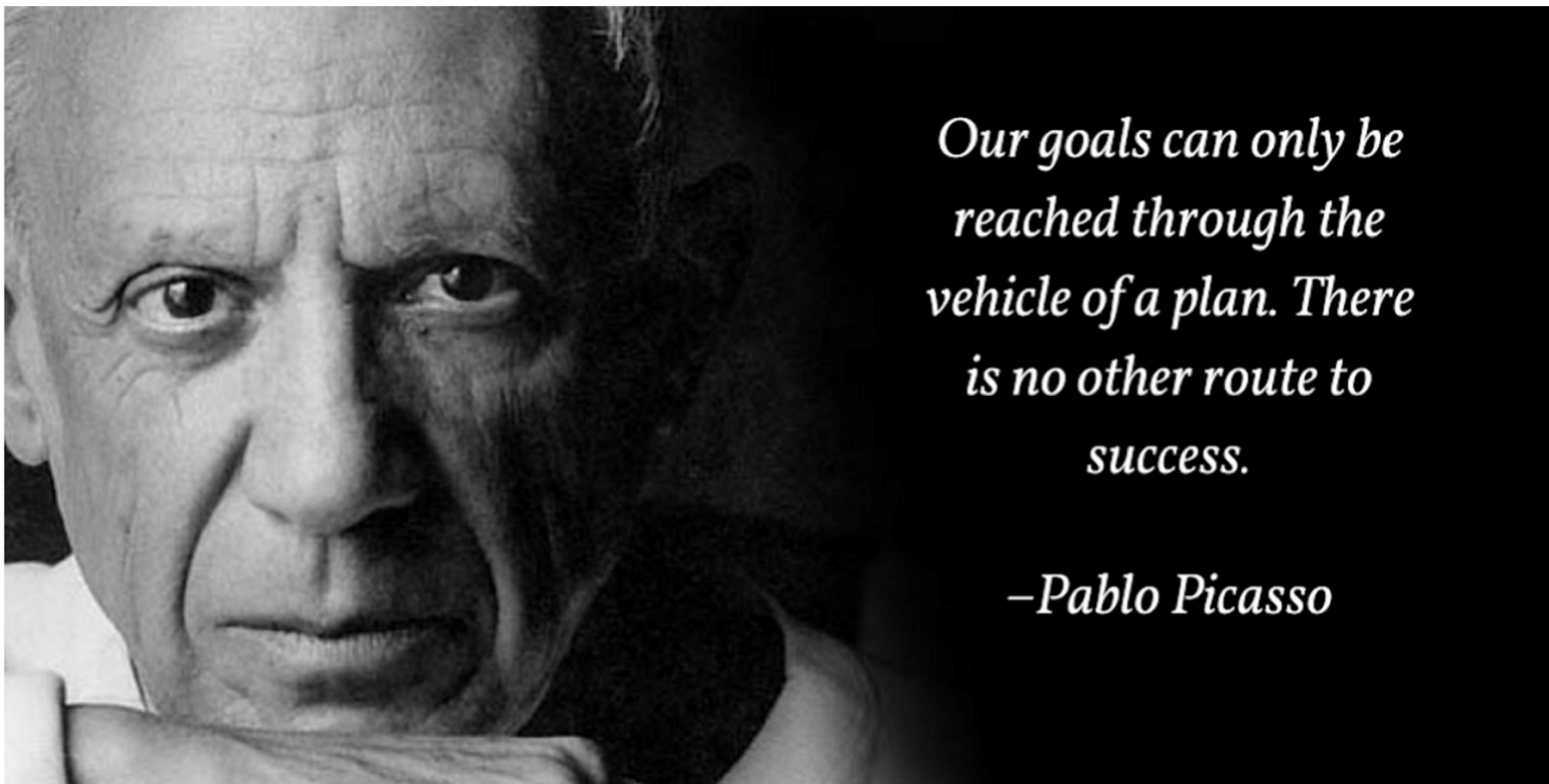


# Horizon Europe agricultural research for the future

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Agriculture  
and Rural  
Development



# We have a plan!



## Horizon 2020: Strategic approach to EU agricultural R&I



*ensure food and nutrition security in the long term*

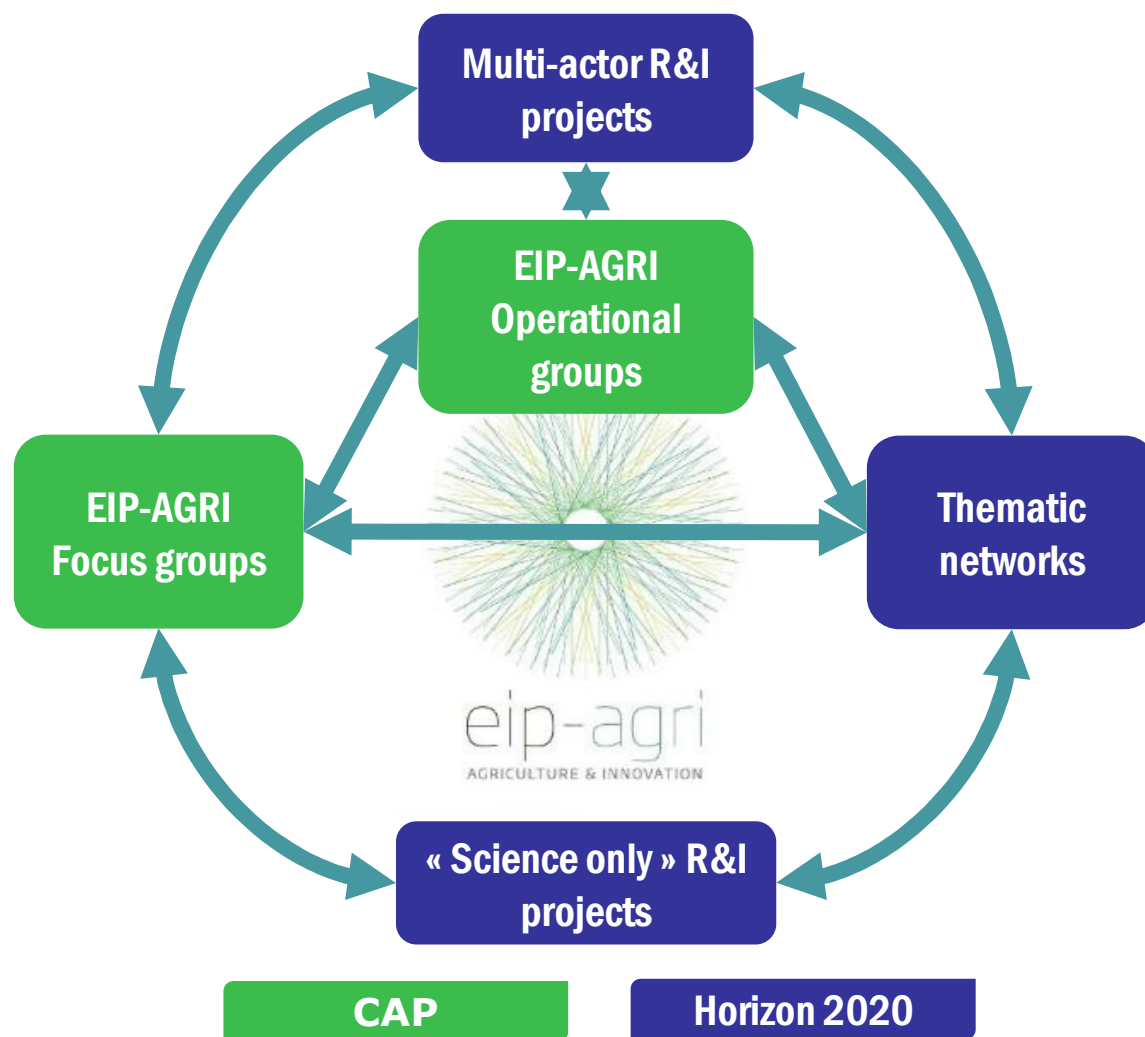


*address the environmental sustainability and resilience of competitive land-based primary production for food and non-food systems*



*boost the sustainable growth of rural territories*

# Implementation



✓ **190** H2020 multi-actor projects (€1 billion),  
**29** thematic networks; 50% newcomers; results!

✓ 27 Member States implementing the EIP; over **1000** OGs running

✓ A growing and thriving **network**

✓ Increasing volume of **practice-oriented knowledge** !

CAP

Horizon 2020

[www.eip-agri.eu](http://www.eip-agri.eu)

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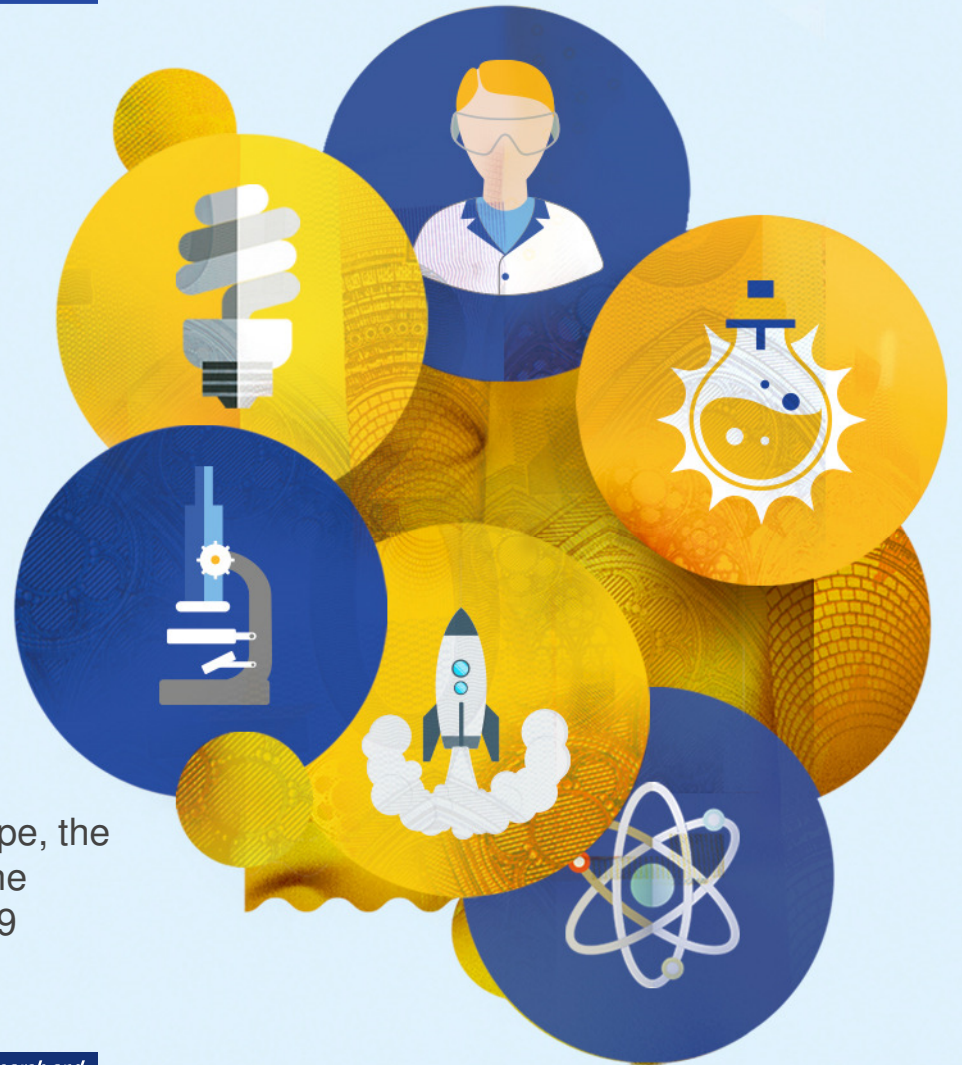
# Horizon Europe

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

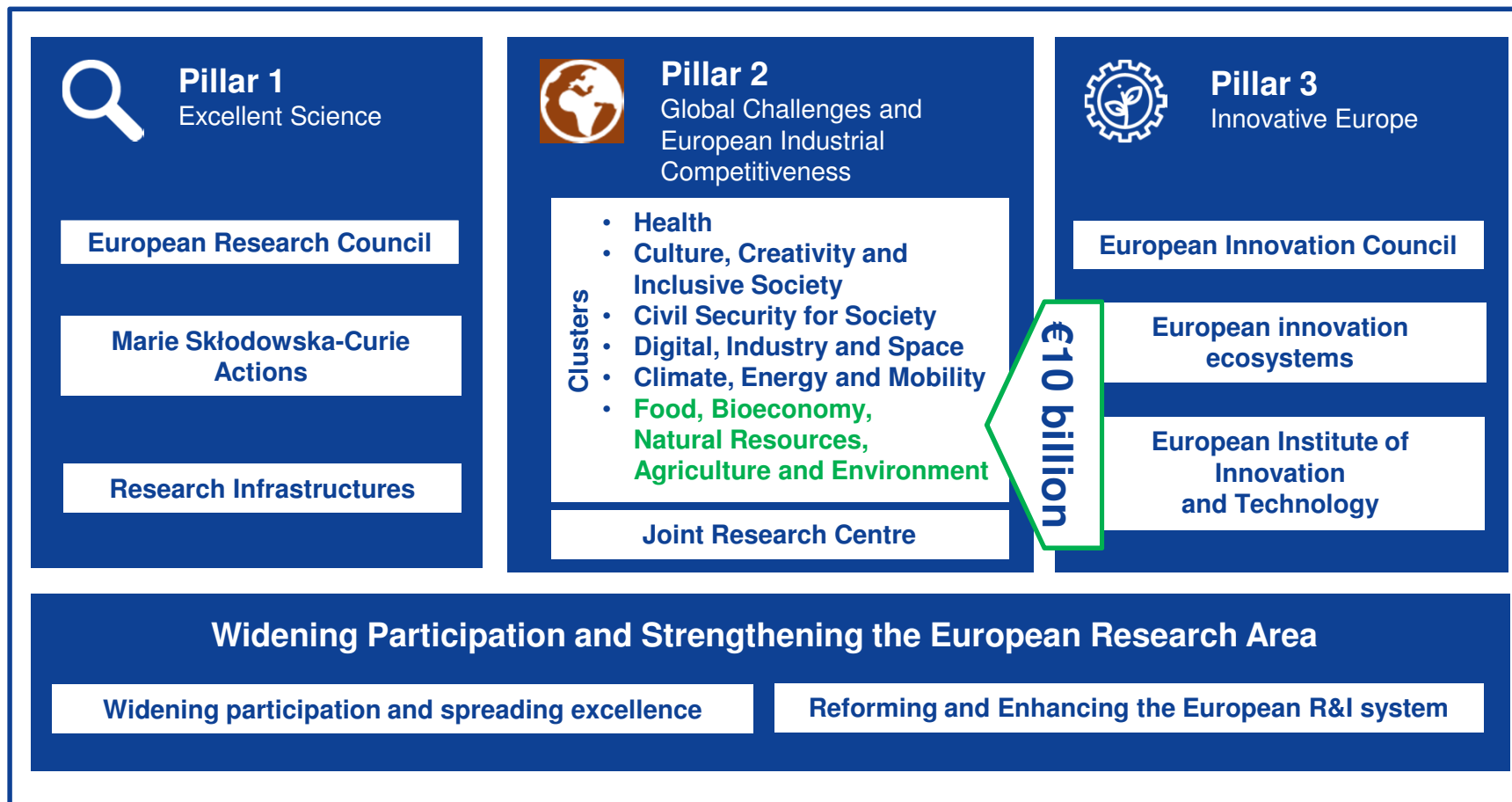
#HorizonEU

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

*Research and  
Innovation*

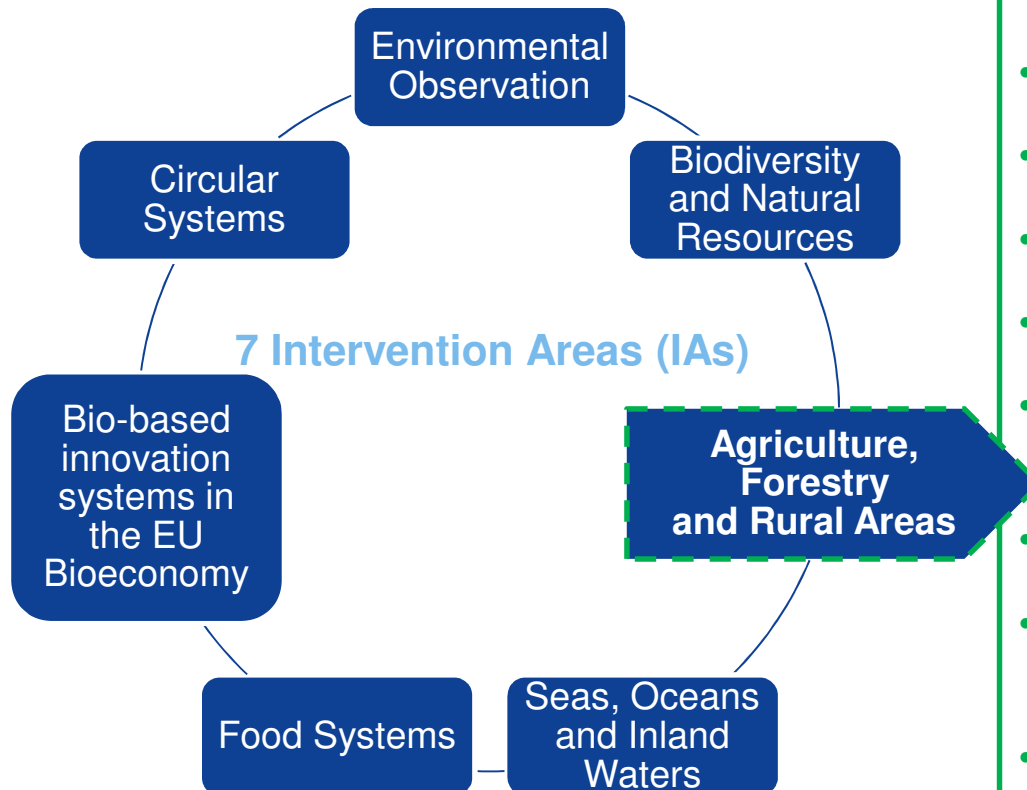


# Horizon Europe: structure





# What is in it?



- Sustainable management and efficient use of natural resources
- Climate mitigation and adaptation
- Plant health
- Animal health and welfare
- Use and delivery of ecosystem services
- Sustainable forest management
- EU plant protein production
- Sustainable land use, rural development and territorial linkages
- Digital innovations
- AKIS; advice, building skills, participatory approaches and information sharing
- International partnerships for sustainable agriculture for food and nutrition security



# A Strategic Plan gives direction to the work programme

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**:



## *What will be in it?*

- Expected impacts: strategic orientation for R&I support
- Partnerships and missions
- Areas for international cooperation
- Other issues

# Strategic Plan: Cluster 6

*Why?* Challenges:  
cross-cutting long-term impacts

*What?* Priorities in intervention areas:  
short- & medium-term impacts

*How?* Implementation approaches



# Leaving space for new approaches

Agriculture, Forestry  
and Rural Areas

Adaptation to climate change,  
including societal transformation



Soil health  
and food



**Mission  
areas**



Cancer

Climate-neutral  
and smart cities



Healthy oceans,  
seas, coastal  
and inland waters



European  
Commission



## Leaving space for new approaches



### R&I Missions

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).
- **Mission Board:** for each mission area 15 experts appointed by the Commission following an open call for expression of interest shall advise upon, *inter alia*:
  - ✓ identification and design of one or more missions in the respective mission area
  - ✓ content of work programmes and their revision as needed for achieving the mission objectives, with input from stakeholders and, where relevant, the public
  - ✓ ...



# Encouraging synergies

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



European  
Commission



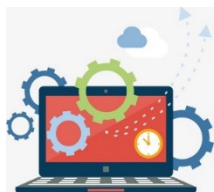


## Encouraging synergies

**Agriculture, Forestry  
and Rural Areas**



**Towards more sustainable farming:  
agro-ecology living labs  
and research infrastructures**



**Agriculture of data**



**Animals and health**

## Proposed partnerships

**Others related to biodiversity, Blue Economy,  
food systems, circular bio-based sector, water**



# Towards the first Horizon Europe Work Programme 2021-2022

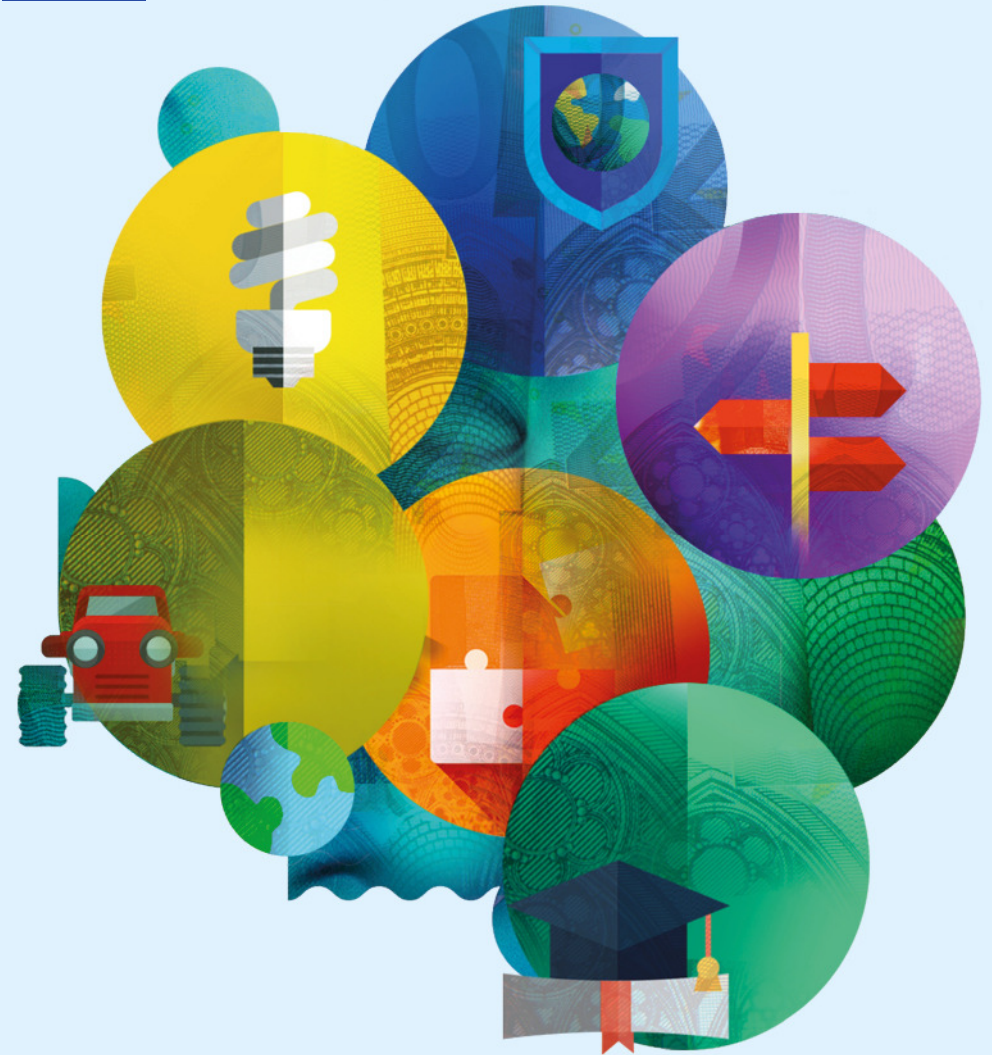


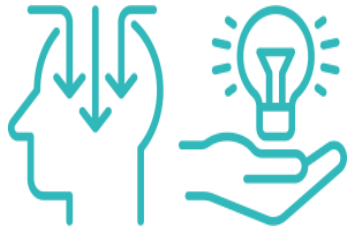
Commission proposal for  
**COMMON  
AGRICULTURAL  
POLICY** post-2020

#

FutureofCA

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# DEVELOPING A KNOWLEDGE-BASED AGRICULTURE

- › Continuation of the agricultural **European Innovation Partnership**
- › Strengthening of the **Agricultural Knowledge and Innovation System**
- › Each **CAP strategic plan** will include a section on how to **stimulate the exchange of knowledge and innovation** & the development of **digital technologies** in agriculture
- › **Advice, training, innovation and knowledge support** in Rural Development
- › **Specific budget of EUR 10 billion** in Horizon Europe for agriculture, food, bioeconomy and rural development





# Thank You!

#InvestEUresearch  
#AgriResearchEU  
#H2020SC2 #HorizonEU

[www.ec.europa.eu/agriculture/research-innovation\\_en](http://www.ec.europa.eu/agriculture/research-innovation_en)

[www.ec.europa.eu/research/bioeconomy](http://www.ec.europa.eu/research/bioeconomy)

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

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