



Head of Research and Innovation Unit

DG Agriculture and Rural Development

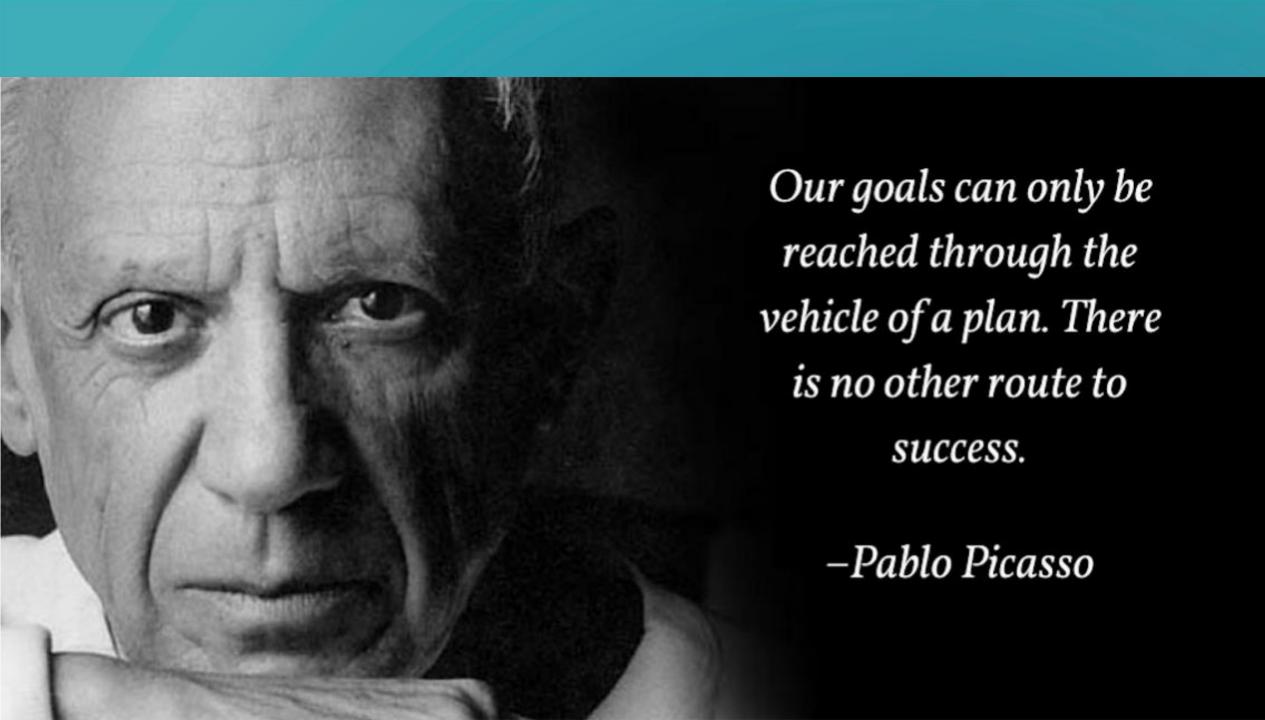
European Commission

Horizon 2020 Work Programme for Research & Innovation 2018-2020

Food security, sustainable agriculture and forestry, marine, maritime and inland water research and the bioeconomy

Agricultural research beyond 2020

Research and Innovation



We have a plan









Strategic approach to EU agricultural R&I - 2016





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



Our most prominent challenges for 2021-2027



Climate



Health



Biodiversity



Social & demographic change (inc. rural)



Circularity











Orientations towards Horizon EU strategic planning

Six cross-cutting targeted impacts

Environmental Observation

Biodiversity and Natural Resources

Agriculture, Forestry and Rural Areas

Seas, Oceans and Inland Waters

Food Systems

Bio-based innovation systems in the EU Bioeconomy

Circular Systems

- Reduction of greenhouse gas emissions and successful adaptation of ecosystems and production systems as well as rural, coastal and urban areas to climate change
- ✓ Halt of biodiversity decline and restoration of ecosystems
- Sustainable and circular management and use of natural resources; prevention and removal of pollution; healthy soils and clean water and air for all; attractive jobs, enhanced value creation and competitiveness
- Establishment of primary production, food and bio-based systems based on sustainability, inclusiveness, health and safety; food and nutrition security for all
- Behavioural, socio-economic and demographic change are well understood and drive sustainability; a balanced development of vibrant rural, coastal, peri-urban and urban areas
- ✓ Establishment of governance models enabling sustainability





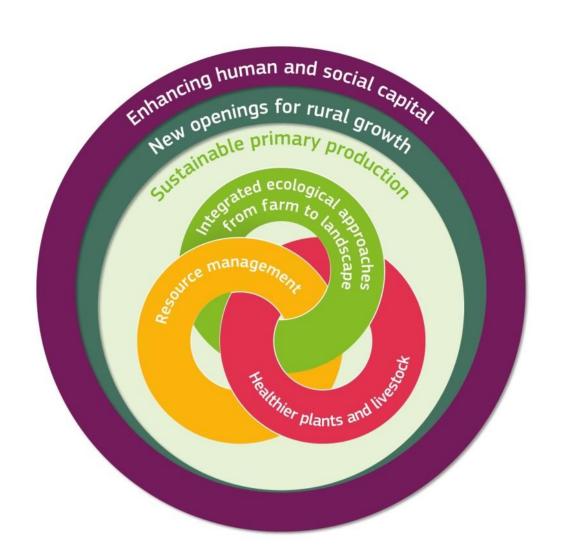
What?





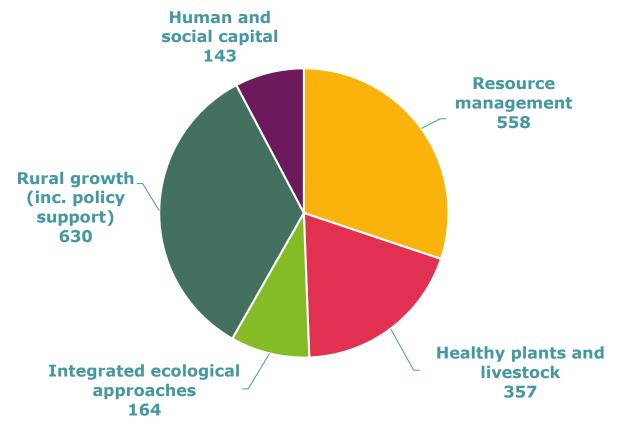


Strategic R&I priorities



Distribution of budget over priorities

(EUR million - 2014-2020)





From strategy to action: 12 big themes under H2020

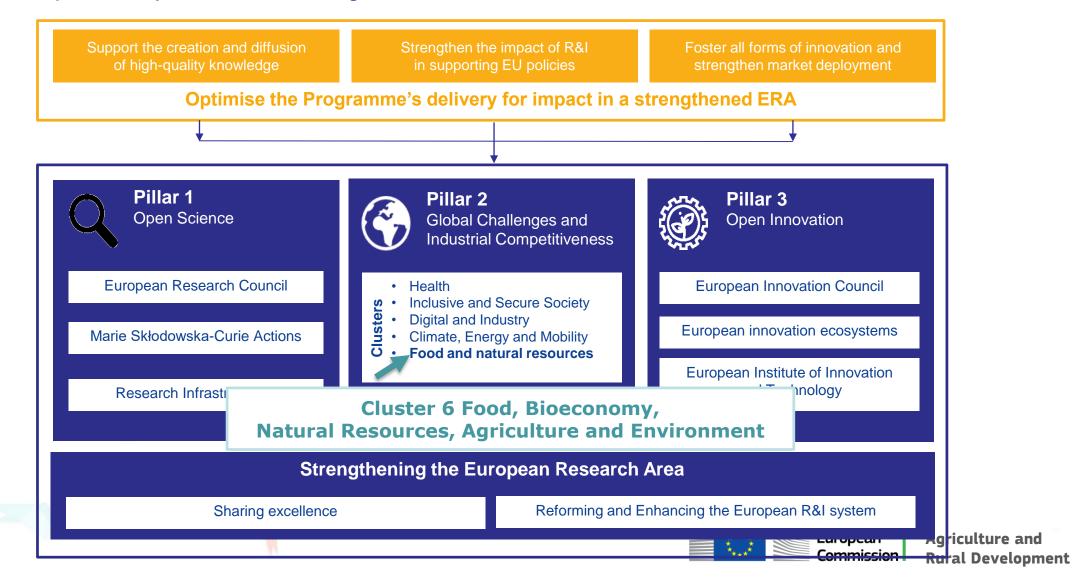
https://ec.europa.eu/agriculture/research-innovation/documents-links_en





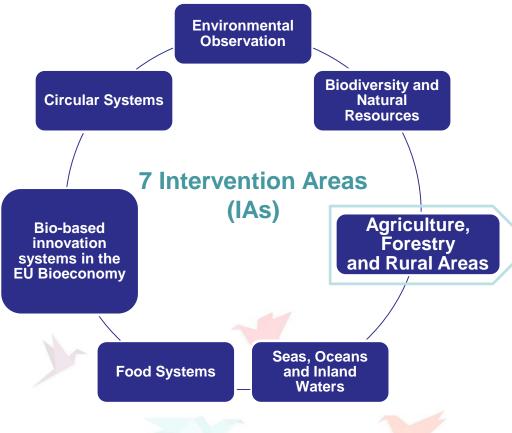
Horizon Europe

Specific objectives of the Programme



Cluster 6 Food, Bioeconomy, Natural Resources, Agriculture and Environment

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







Strategy: our six dimensions of implementation

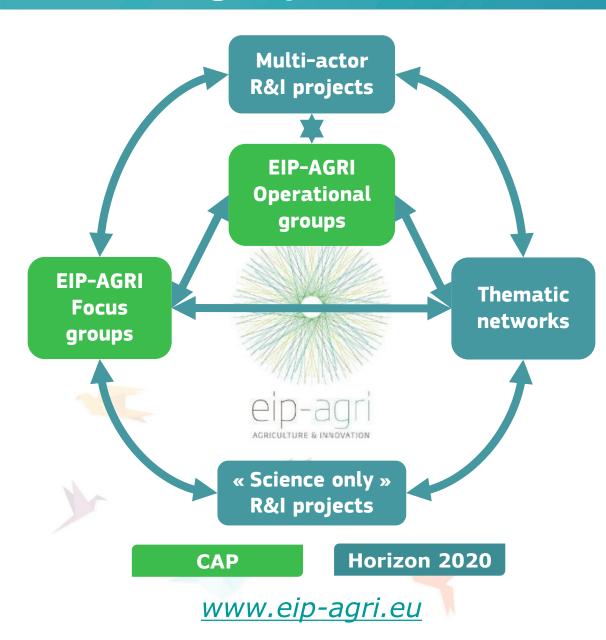
- Being strategic about programming
- **Boosting implementation of R&I**
- **Leaving more space for new approaches**
- **Encouraging synergies with Member States**
- Developing international cooperation
- Developing synergies with the private sector







Boosting implementation: EIP-AGRI and multi-actor approach



- ✓ 190 H2020 multi-actor projects (€1 billion), including 29 thematic networks; 50% newcomers; results!
- **√27 Member States implementing the EIP**
- ✓ Around 3 200 OGs planned in 2014-2020; over 1000 OGs already running
- **✓** A growing and thriving network
- ✓ Increasing volume of practice-oriented knowledge



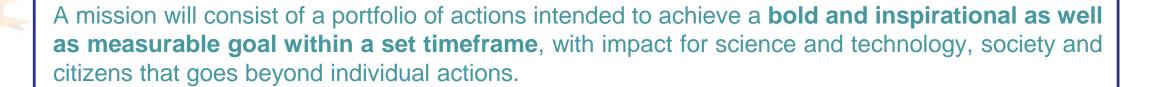
Leaving space for new approaches: R&I Missions

Mission area: Soil Health and Food



R&I Missions

Connecting to citizens: Missions will relate EU's research and innovation to society and citizens' needs, with strong visibility and impact









Encouraging synergies: Partnerships - proposed areas

(agriculture of data)

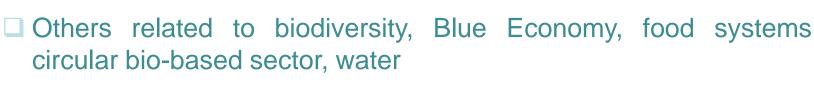
New generation of objective-driven and more ambitious partnerships with MS, industry and others in support of agreed EU policy objectives:







European partnership on animals and health





Environmental observations for a sustainable EU agriculture





Future CAP



DEVELOPING A KNOWLEDGE- BASED AGRICULTURE

- Continuation of the agricultural European Innovation Partnership
- 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

- Strengthening of the Agricultural Knowledge and Innovation System
- 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





Have your say: why, what and how



- ➤ Summer 2019: Open Public Consultations <u>LINK</u>
- ➤ Autumn 2019: Workshops → Roadmaps for EU Agricultural R&I

24 → 26 SEPTEMBER

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EUROPEAN RESEARCH & INNOVATION DAYS







Thank you!

#InvestEUresearch #AgriResearchEU #H2020SC2

<u>www.ec.europa.eu/agriculture/research-innovation_en</u> <u>www.ec.europa.eu/research/bioeconomy</u>

Funding and tenders portal

http://ec.europa.eu/research/participants/portal/deskt

op/en/home.html

