



Circular economy for biodiversity: unlocking the green potential

European Commission

Directorate General for Agriculture and Rural Development

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A decade of EU Bioeconomy policy

2012



- Efficient use of renewable resources
- Focus on R&I

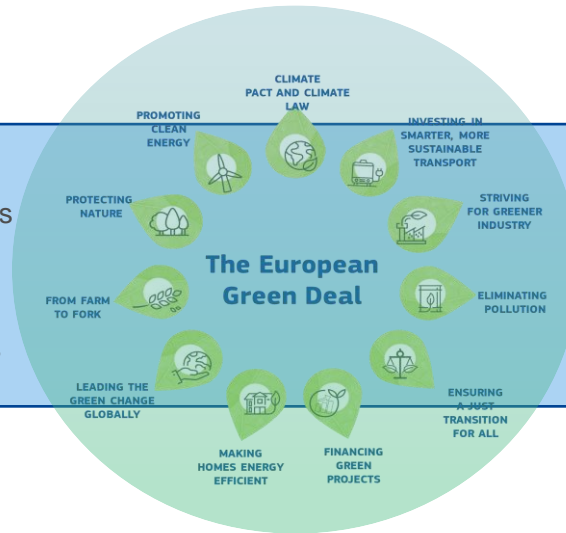
First Bioeconomy Strategy

2018



- + Substitution of harmful products
- + Regional development
- + Understanding ecological limits

Updated Bioeconomy Strategy



Towards a green and just transition

2019



Council Conclusion

2022



Bioeconomy Progress Report

2023



Council Conclusion



2018 European Bioeconomy Strategy



Aim:

Link the **sustainable use of renewable biological resources** with the protection and restoration of **biodiversity, ecosystems and natural capital** across land and water

With **social, environmental and economic SUSTAINABILITY** and **CIRCULARITY** at its core

1

STRENGTHEN AND SCALE-UP THE BIO-BASED SECTORS, UNLOCK INVESTMENTS AND MARKETS



Mobilise stakeholders in development and deployment of sustainable bio-based solutions



Launch the EUR 100 million Circular Bioeconomy Thematic Investment Platform



Analyse enablers and bottlenecks for the deployment of bio-based innovations



Promote and develop standards, labels and market uptake of bio-based products



Facilitate the development of new sustainable biorefineries



Develop new biodegradable products, including bio-based plastic substitutes

2

DEPLOY LOCAL BIOECONOMIES RAPIDLY ACROSS EUROPE



Launch a Strategic Deployment Agenda for sustainable food and farming systems, forestry and bio-based products



Launch pilot actions for the development of bioeconomies in rural, coastal and urban areas



Support regions and Member States to develop Bioeconomy Strategies



Promote education, training and skills across the bioeconomy

3

UNDERSTAND THE ECOLOGICAL BOUNDARIES OF THE BIOECONOMY



Enhance knowledge on biodiversity and ecosystems



Monitor progress towards a sustainable bioeconomy



Promote good practices to operate the bioeconomy within safe ecological limits



Enhance the benefits of biodiversity in primary production

Bioeconomy Actions

BIOEAST

Congress 15-16 MARCH 2023 Warsaw

STRATEGIC RESEARCH AND INNOVATION AGENDA

“The BIOEAST Initiative and the macro-region will contribute towards achieving the EU’s long-term goals through addressing the five above-mentioned challenges.

The activities of the Initiative will help to: ...

- “make Europe climate neutral, and mitigate and adapt to climate change; • **preserve and restore ecosystems and biodiversity**, and reduce pollution...”

“**Maintaining and strengthening forest biodiversity**, productivity, regeneration capacity, vitality and the potential of forests to fulfil ecological, economic and social functions requires the further development of new techniques and technologies, value chains and business models”

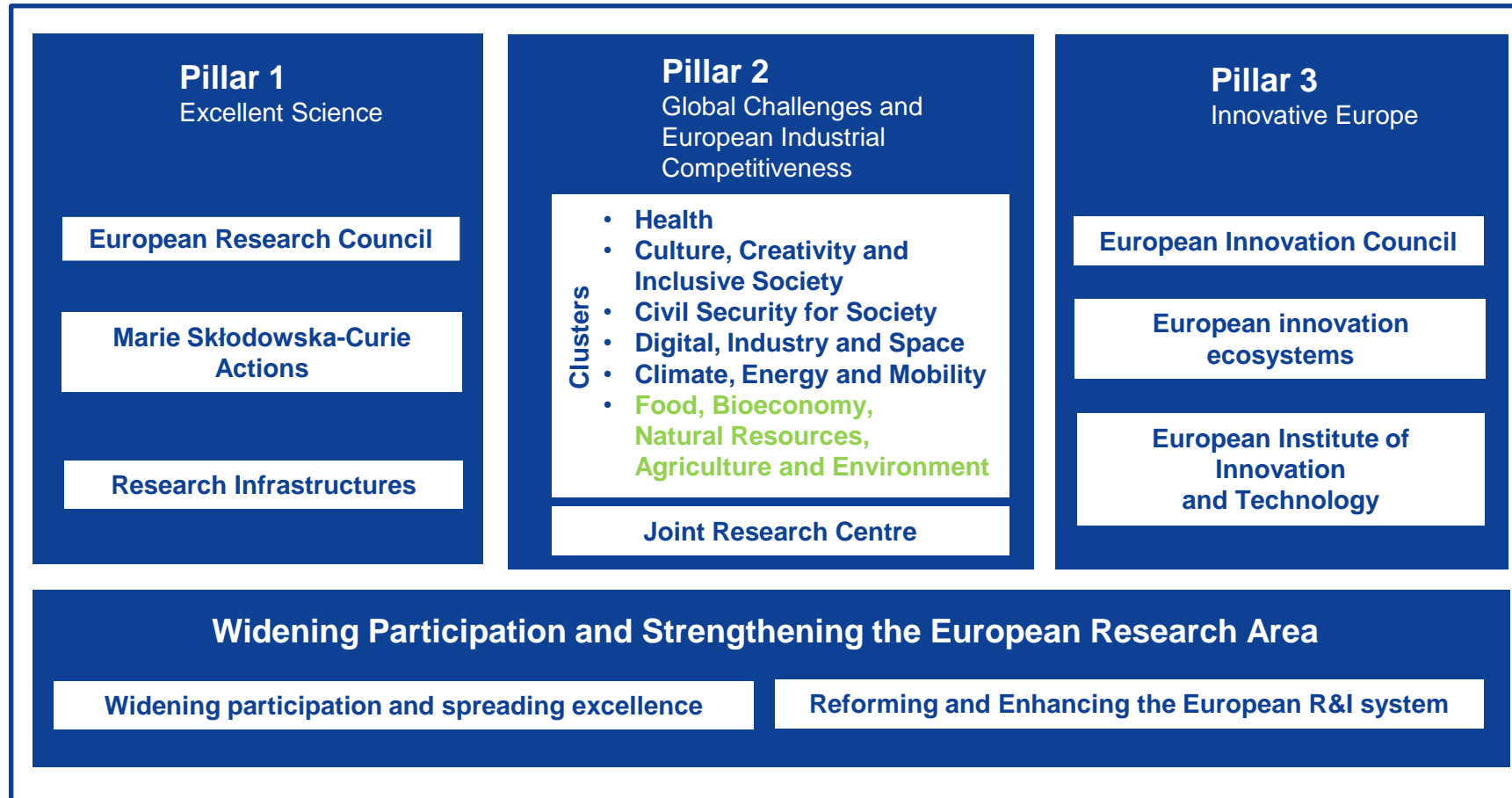
Council Conclusions on the opportunities of the bioeconomy in the light of current challenges with special emphasis on rural areas

“... EMPHASISES the central role of a sustainable and **circular** bioeconomy for the climate and the environment, and for achieving the objectives of the **European Green Deal** and its strategies...”.

“...ACKNOWLEDGES that the bioeconomy is highly dependent on healthy and resilient ecosystems, and synergies between the bioeconomy and biodiversity should be promoted in the development and deployment of a sustainable and circular bioeconomy...”

“...EMPHASISES the importance of having an **inclusive approach** when developing the bioeconomy, and especially the need to involve and work closely with primary producers and **STRESSES** the role agriculture and forest cooperatives. **HIGHLIGHTS** the importance of engaging the younger generation for a successful development of the bioeconomy...”

Horizon Europe - structure

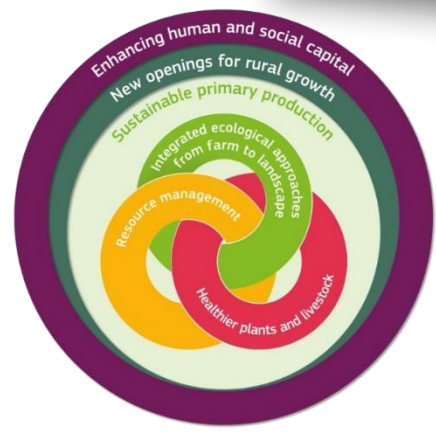


EUR 9 bn. for Cluster 6 “Food, Bioeconomy, Natural Resources, Agriculture and Environment”

Policies priorities translated in Horizon Europe Cluster 6 WP



Cluster 6
Work Programmes



NEW EU FOREST STRATEGY FOR 2030

Some Horizon 2020 and Horizon Europe project examples

- H2020

- ✓ AGROMIX

- ✓ MIXED



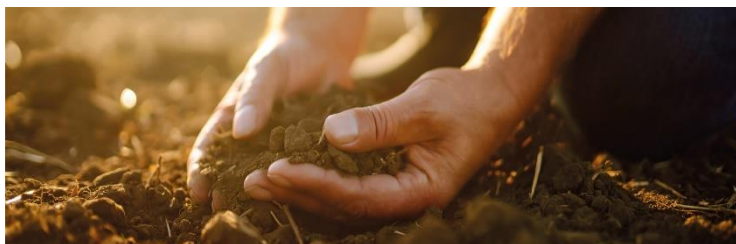
- Horizon Europe

- ✓ DIGITAF

- ✓ REFOREST

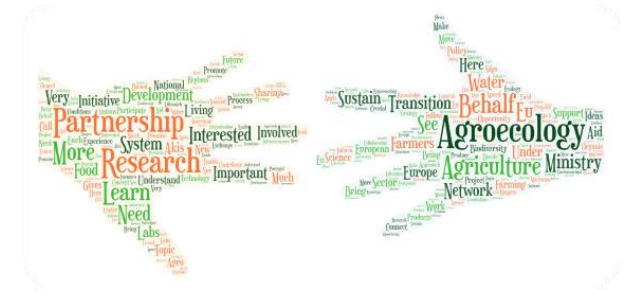


AGRIRESEARCH FACTSHEETS



More information [here](#)

Co-Funded cluster 6 Partnerships Agroecology Partnership



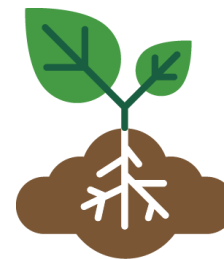
What: Promote agroecology as an approach that can help achieve the environmental, economic, climate and social challenges of farming sector -> uptake of agroecological practices -> **key instrument to promoting sustainable land use and the interconnection of arable and livestock systems as part of a circular and sustainable bio-economy at different scales**

Who: Co-funded by EU, with Member States, Associated Countries and regions in the lead, involving several key stakeholders (farmers, researchers, advisors, policy makers, NGOs, industry, consumers, etc.)

Where: Europe-wide and context-specific

How: calls for projects, co-creation in living labs, research infrastructures, etc.

How long: 7-10 years duration



Soil Mission 2023 Call for proposals

Call Id	Topics	Type of Action	Budget
2023-SOIL-01-01	Discovering the subsoil	RIA	12 m€ (2)
2023-SOIL-01-02	Soil pollution processes – modelling and inclusion in advanced digital decision-support tools	RIA	14 m€ (2)
2023-SOIL-01-03	Onsite digital technologies to monitor nutrients and chemical or biological stressors in soil and plants with relevance for food safety and nutrition	IA	12 m€ (2)
2023-SOIL-01-04	Innovations to prevent and combat desertification	IA	14 m€ (2)
2023-SOIL-01-05	Soil-friendly practices in horticulture , including alternative growing media	IA	13 m€ (2)
2023-SOIL-01-06	Soils in spatial planning	RIA	7 m€ (1)
2023-SOIL-01-07	Back to earth: bringing communities and citizens closer to soil	CSA	6 m€ (1)
2023-SOIL-01-08	Co-creating solutions for soil health in Living Labs	RIA	36 m€ (3)
2023-SOIL-01-09	Carbon farming in living labs	RIA	12 m€ (1)

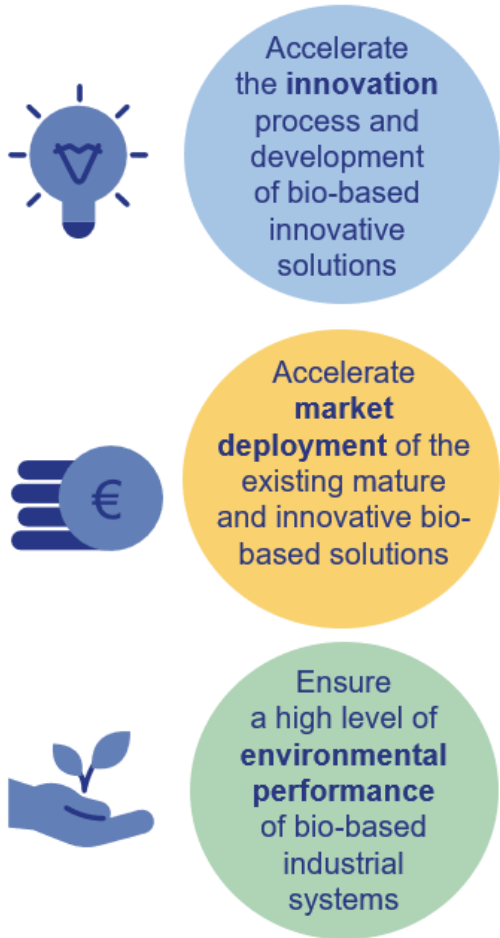
Applications open!
DEADLINE: 23 September 2023

Mission Soil Manifesto



You can sign online:

<https://ec.europa.eu/eusurvey/runner/mission-soil-manifesto>

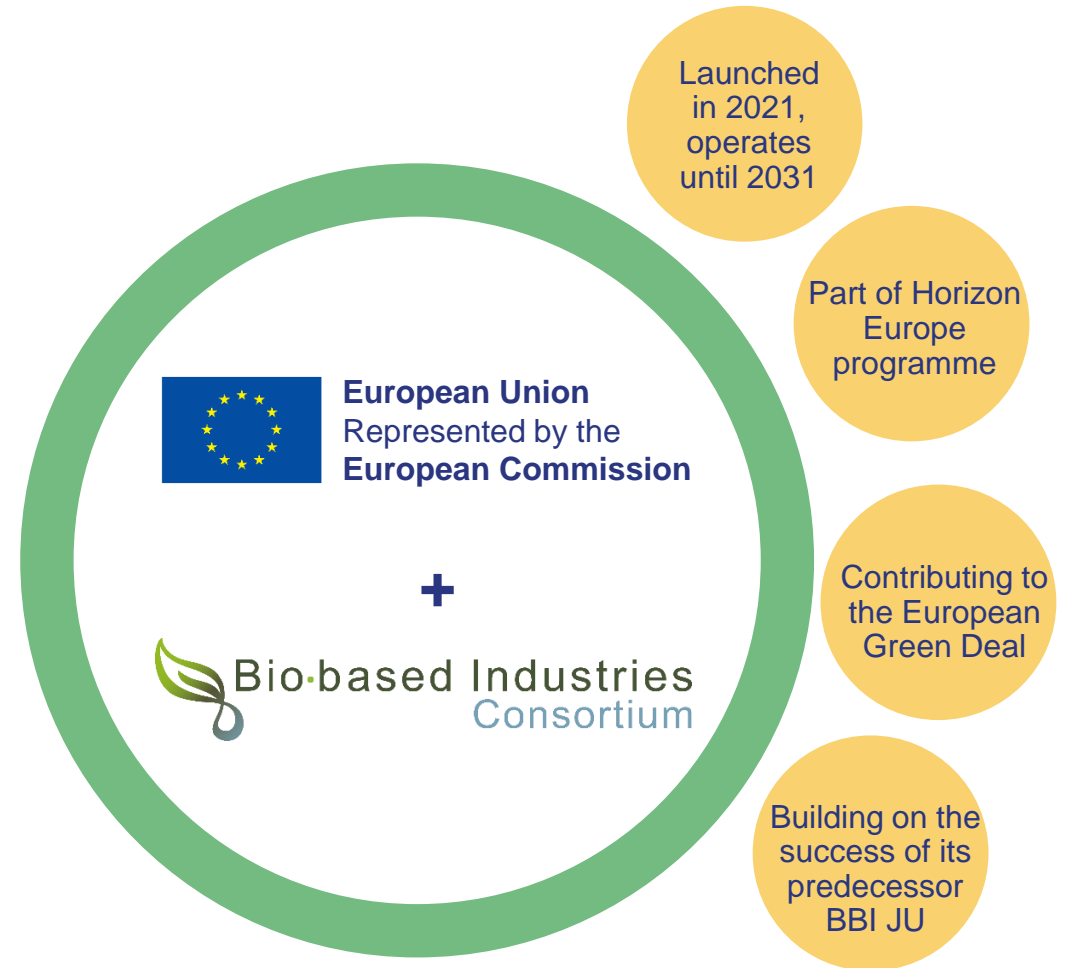


Circular Bio-based Europe Joint Undertaking

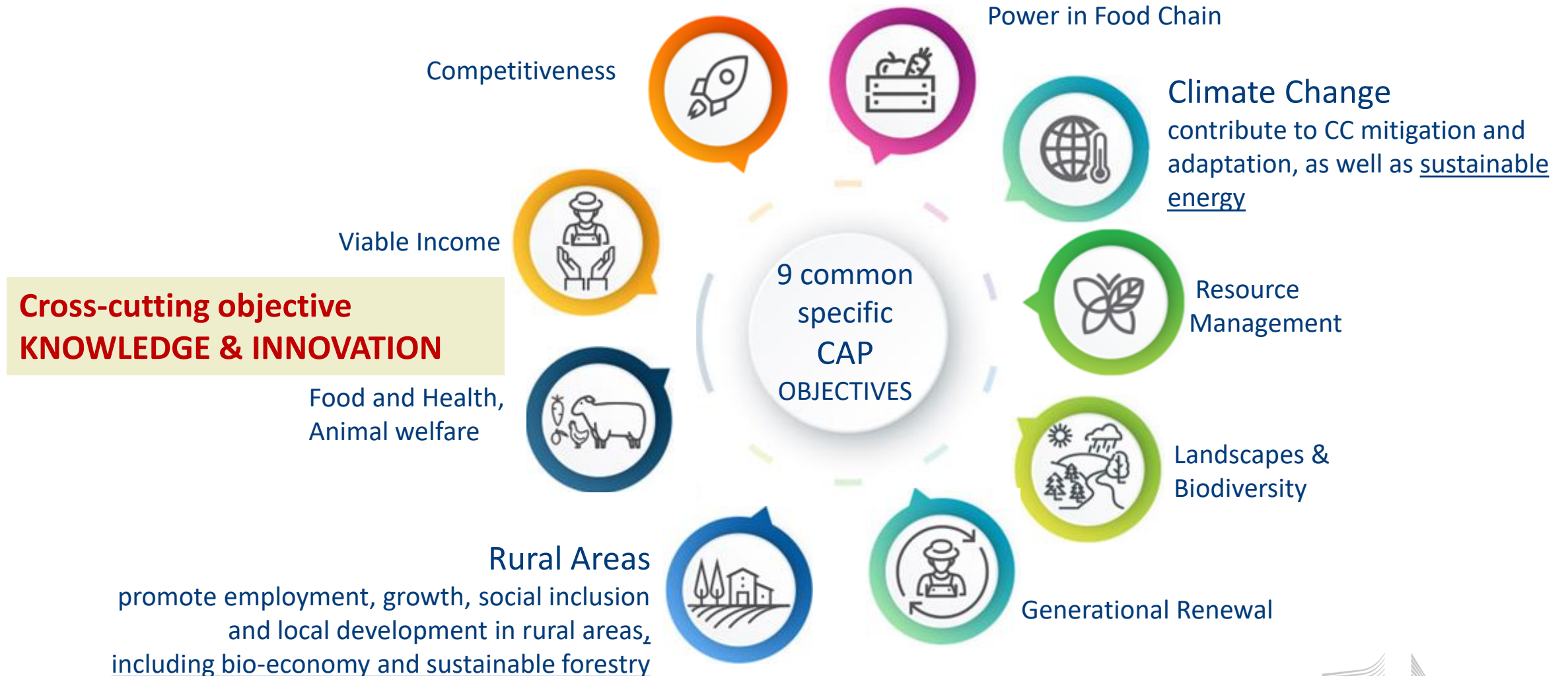
€2 billion public-private initiative



Advancing a competitive bioeconomy for a sustainable future



Common Agriculture Policy



Biorefinery Glas: Ireland's first grass-fed biorefinery



Munter: Added Value for Agriculture and Nature



Examples of EIP-AGRI Operational Groups

GO-ACBD: Biodegradable mulch films to reduce the plastic footprint in agriculture



...and many other inspiring examples:

<https://ec.europa.eu/eip/agriculture/en/find-connect/projects>

Agriplus: Renewable energy and recycling of fermentation residues



Hemp - from catch crop to textile





More information [here](#)

Thank you



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