



**Subgroup on Innovation &  
Knowledge Exchange (SolKE)  
3<sup>rd</sup> meeting**

Brussels  
30 May 2023



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the European Union



# New developments in Horizon Europe

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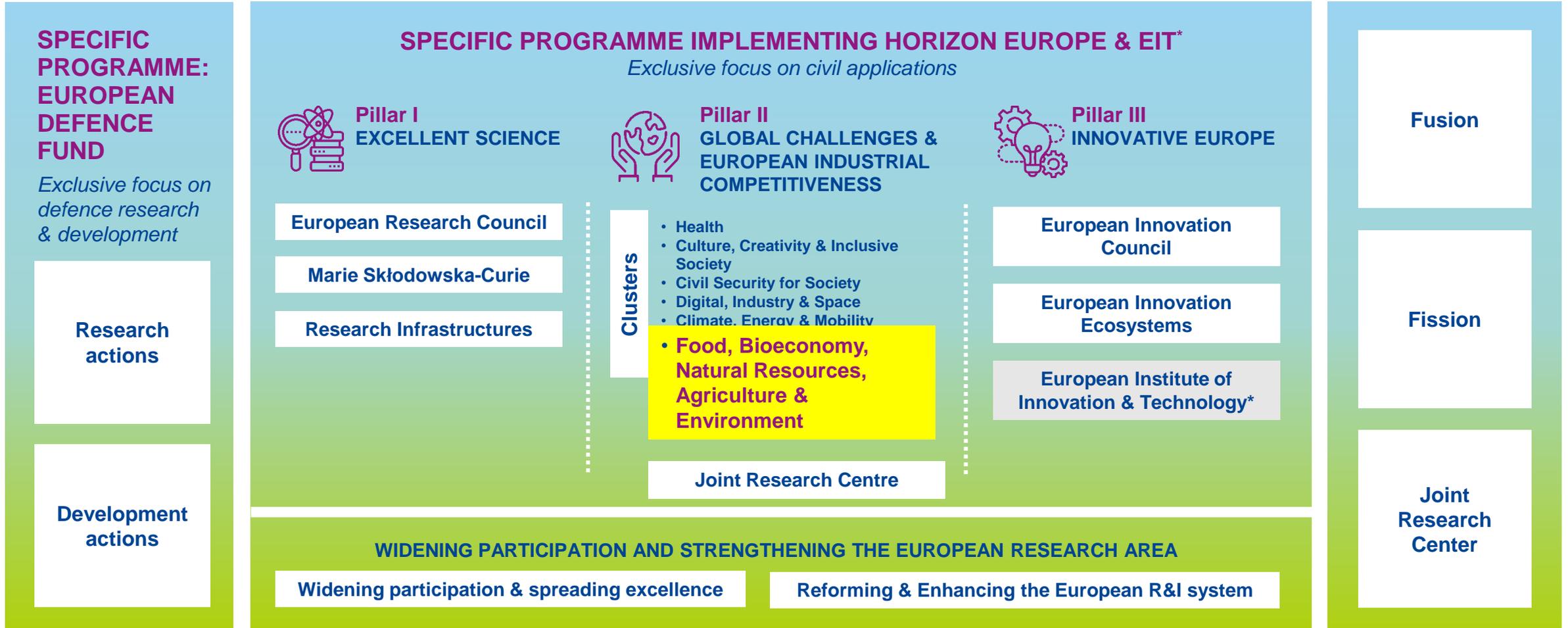
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# CLUSTER 6 IN HORIZON EUROPE

3rd Meeting of the  
Subgroup on Innovation and Knowledge Exchange

**EURATOM**

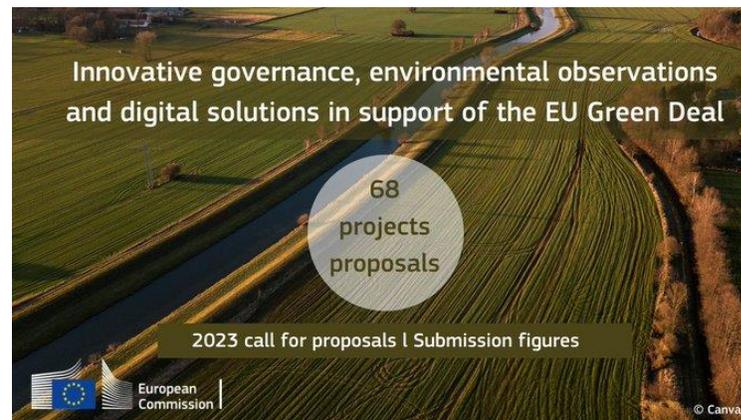


\* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

Cluster 6 budget over 7 years: 9 bio EUR



# Horizon Europe Cluster 6 2023 Calls for proposals



## Results Pack

### Innovative research for sustainable fertiliser production and nutrient management <[link](#)>

This Results Pack on Fertilisers highlights 13 EU-funded research projects that can help alleviate the pressures placed on farmers and consumers, through the innovative synthesis, use and recapture of fertilisers and improved nutrient management.

## Fact sheets



## EU Horizon Mission ‘Soil Deal for Europe’



- The first **ten projects** to prepare the ground for the transition towards healthy soils by 2030 funded under the first Mission ‘Soil Deal for Europe’ Call in 2021 **just started**.
- **New project proposals** under the Horizon Europe **Work Programme 2022** have been evaluated and the selected projects are currently under Grant Agreement preparation and expected to start in 2023.
- The **Horizon Europe Work Programme 2023** opened for applications in January and will close on the 23 September 2023.

# We need to act now!

[EUSurvey - Survey \(europa.eu\)](https://europa.eu) Sign the Soil Manifesto!

## Soils need our attention!

- 2.8 million potential contaminated sites (only 24% inventoried) posing major health risks
- 65-75% of agricultural soils with nutrient inputs at levels risking **eutrophication of soils and water** and affecting biodiversity
- Cropland soils **losing carbon** at a rate of 0.5% per year; 50% of peatlands drained and losing carbon – this is contributing to the climate crisis
- 24% of land with **unsustainable water erosion rates**
- 25% of land at High or Very High risk to **desertification** in Southern, Central and Eastern Europe in 2017
- The **costs associated with soil degradation in the EU exceed 50 billion € per year**

The effects of climate change put further pressure on soils and accelerate land degradation!



# Soil Mission 2023 Call for proposals

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

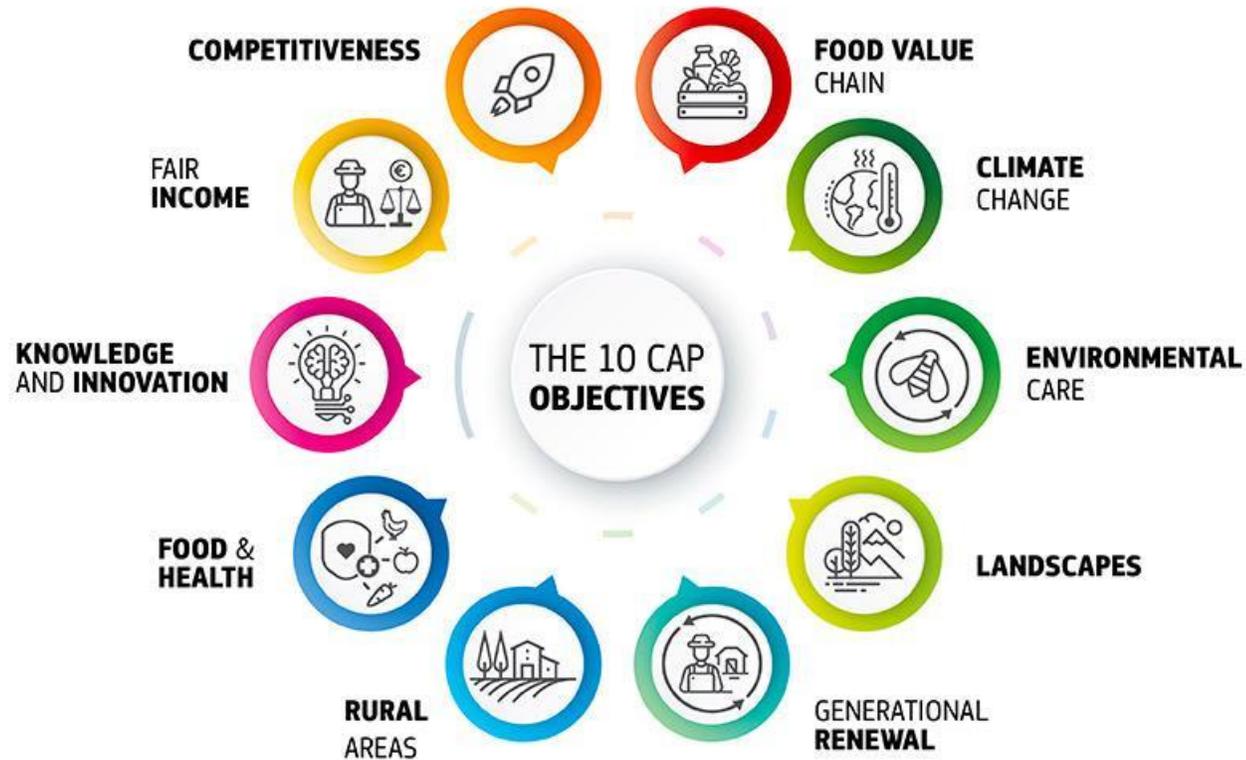
**Applications open!**  
**DEADLINE: 23 September 2023**



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# ...cross-cutting objective in the future CAP

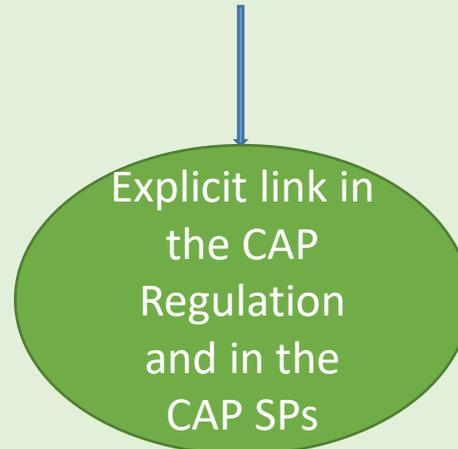




# Synergies between HE and the CAP

## Horizon Europe

- Generates research and innovations relevant for CAP beneficiaries (farmers, foresters, rural community)
- Supports deployments of R&I solutions by farmers (thematic networks, advisory networks support, **EU-FARMBOOK**, **Climate Farm Demo**)
- Engages with farmers and foresters in Living Labs and Lighthouses to co-create test and demonstrate solutions (Soil Mission but not only).
- Disseminates, raises awareness and provides training to enhance “soil literacy”. (Soil Mission)
- Improves methods for assessing and monitoring soil health. (Soil Mission)



## Common Agricultural Policy

- EIP AGRI Operational Groups
- AKIS
- EU CAP Network:
- Focus groups
- Workshops, seminar, publications...
- [Brochure - 'Funding opportunities under Horizon Europe – Calls 2023'](#)
- Soil interventions ...

# Future: Horizon Europe Strategic Plan 2025-2027

## Timeline



- Online public consultation closed on 23<sup>rd</sup> February



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# AGRI RESEARCH CONFERENCE

## 2023 Edition

### 31 May 2023 - 1st June 2023

### Brussels



More information [here](#)

# Thank you

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DG Agriculture and Rural Development

Unit F2 Research and Innovation

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**#SoIKE**

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All results and presentations are available on the event webpage:  
<https://eu-cap-network.ec.europa.eu/events/subgroup-innovation-and-knowledge-exchange-soike-0>

