

Workshop 'Innovative arable crop protection – using pesticides sustainably'

Amsterdam, the Netherlands
19-21 April 2023



Funded by
the European Union

EU Research & Innovation opportunities for healthy crop systems

Gisela Quaglia
European Commission DG Agriculture and Rural Development

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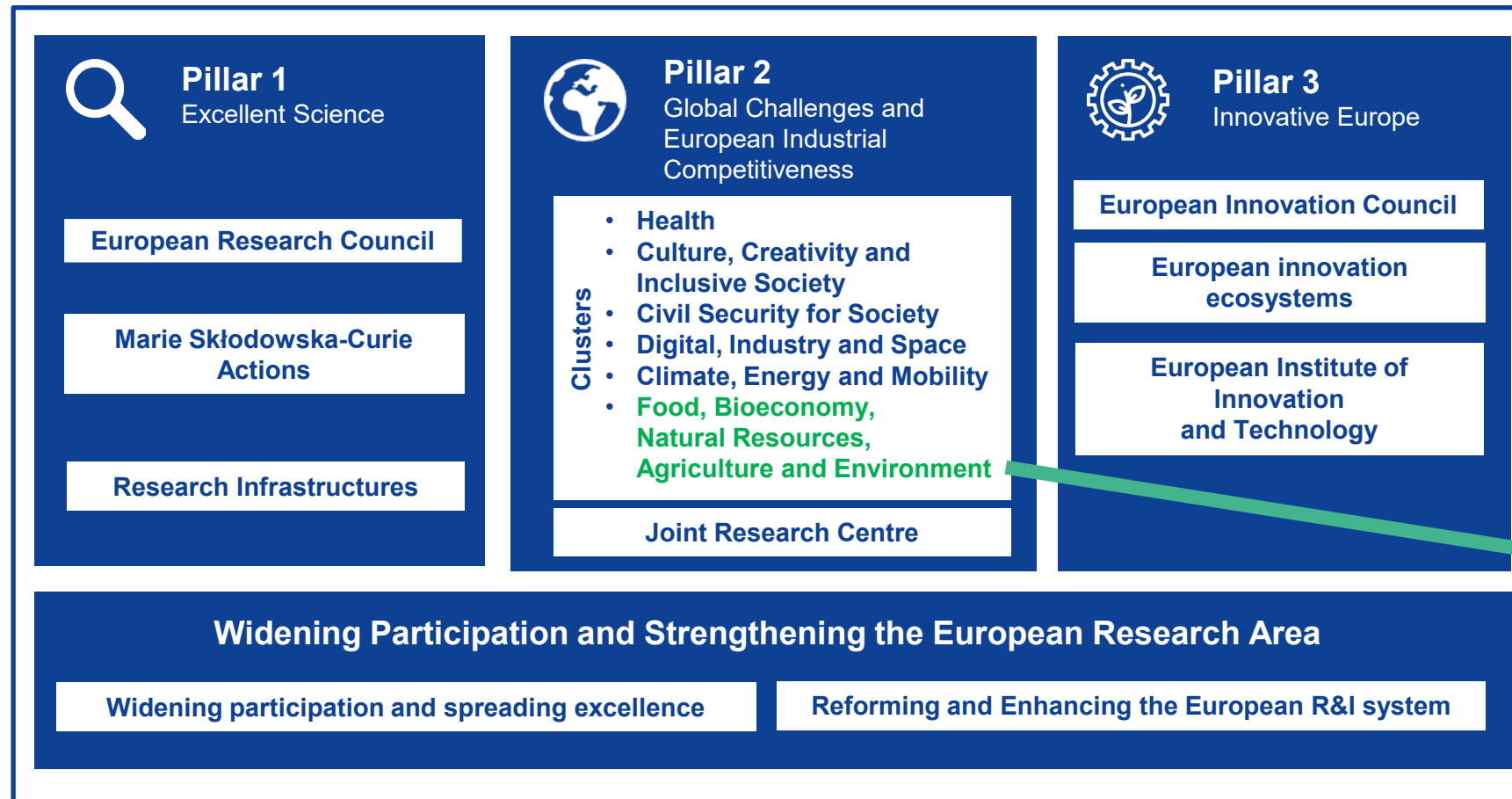
Gisela Quaglia

Research Programme Officer

R&I F2 unit

DG Agriculture and Rural Development

21st April 2023



 A circular callout with a green border. At the top is a green circle containing a white Euro symbol (€) and a hand holding a coin. Below this, the text reads:

€9 billion
 Budget Cluster 6
 2021-2027

Horizon Europe

Plant Health R&I Priorities



- enhance capacities **to prevent, monitor and control plant pests**
- develop **safe and environmentally friendly** methods for **plant protection (IPM)** and weed control;
- increase the **resilience of plants to biotic and abiotic stresses** by bringing more diversity into farming and forestry systems and provide farmers and other actors in value chains with better-adapted crop varieties
- improve conservation, management and use of **plant genetic resources**, thereby preserving and enhancing agrobiodiversity.

HE relevant topics

Work Programme 2021/2022/2023

2021/2022

- Tackling **outbreaks of plant pests**: REACT, PURPEST, BeXyl
- Risk assessment of new **low risk pesticides**: RATION
- **Socio-economics** of pesticide use in agriculture: SUPPORT
- **Breeding for resilience**: focus on root-based traits: Leguminose, ROOT2RES, BarleyMicroBreed
- Agroecological approaches for **sustainable weed management**: GOOD, AGROSUS, CONSERWA
- **Emerging and future risks to plant health**

2023

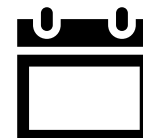
- Biodiversity friendly practices in agriculture – **breeding for IPM**
- **Innovations in plant protection**: alternatives to reduce the use of pesticides focusing on **candidates for substitution**
- Developing EU **advisory networks** to reduce the use of pesticides
- **Tools** to increase the effectiveness of **EU import controls** for plant health
- **Digital technologies supporting plant health** early detection, territory surveillance and phytosanitary measures

HE relevant topics

Work Programme 2024

- Tackling **outbreaks of plant pests**
- Promoting **minor crops** in farming systems
- Promoting **pollinator friendly** farming systems
- Reintroduction of **landscape features** in intensive agricultural areas
- Increasing the availability and use of **non-contentious inputs** in organic farming

- Broaden EIP Operational Group outcomes across borders by means of thematic networks to compile and share knowledge ready for practice
- Thematic networks to compile and share knowledge ready for practice



New Instruments



- Co-funded partnerships with Member States and Associated Countries
 - [Agroecology](#)
 - [Agriculture of Data](#)
- **Mission: “A Soil Deal for Europe” -> Work Programme 2023 open for proposals**

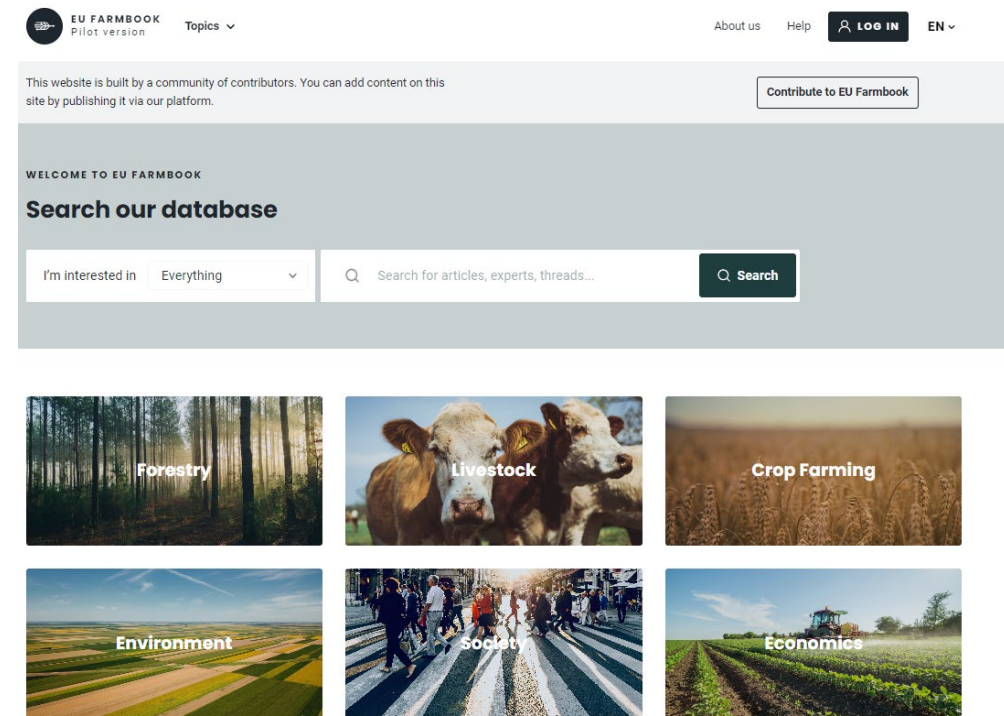


- [European Innovation Council](#)

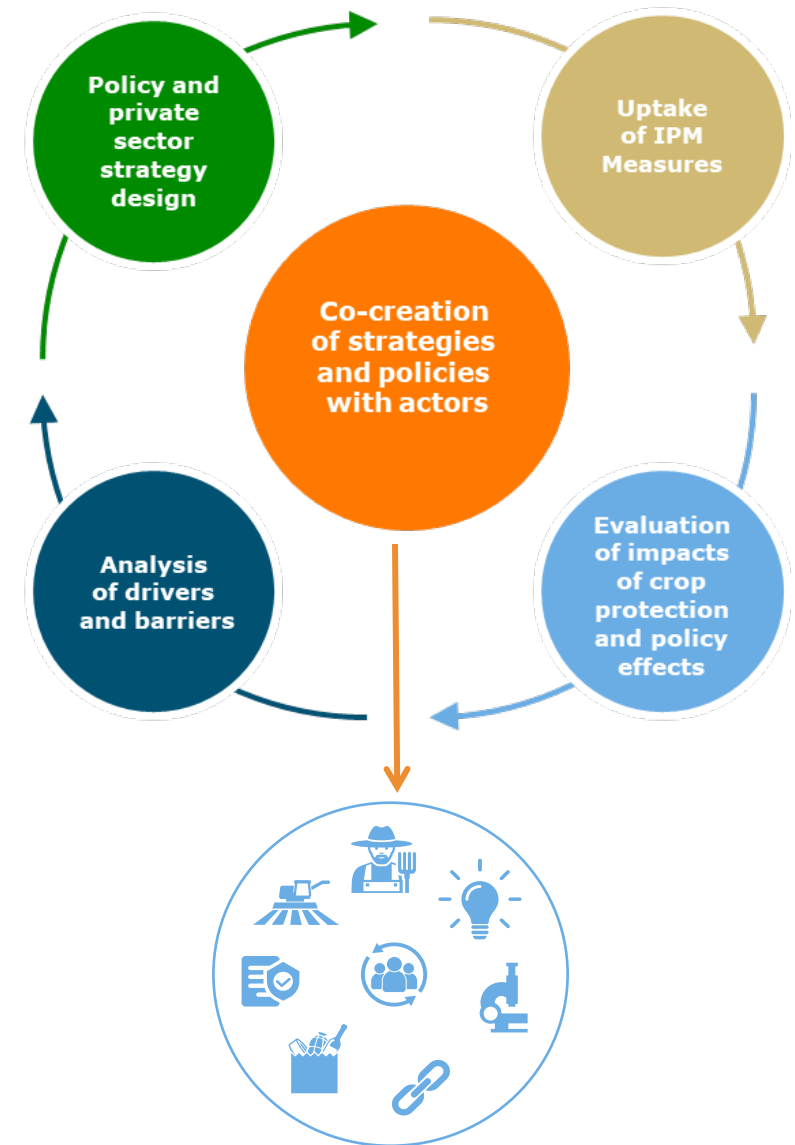
EU Farmbook project

- EU platform to connect farmers, foresters, advisors, scientists and policymakers, among others, with 21 multi-actors from 16 member states and 48 organisations.
- The open-source FarmBook will present knowledge and farming practices that are easily searchable.
- **Links:**
 - <https://eufarmbook.eu/>
 - <https://cordis.europa.eu/project/id/101060382>

Project lead: Ghent University



- Towards a sustainable and biodiversity friendly agri-food system via insight in **impact, policy and externalities in IPM** and (low-pesticide-input practices) based on harmonized methodology and data in cocreation with stakeholders
- 10 member states, 20 organizations
- **Links:**
 - <https://cordis.europa.eu/project/id/101084527>
 - www.he-support.eu*
- **Project lead:** Wageningen Research



- 25 National Crop Cluster,
- 9 Community of Practices

Don't miss it!

2023 EU Agricultural Research and Innovation Conference

31 May – 1 June / Brussels

More info [here](#) - Registrations still open until 1 May



Thematic Breakout Session 2:
**Agrobiodiversity for healthy
cropping systems**

To explore how to maximise the
potential of agrobiodiversity for
healthy cropping
systems and look at future
research needs in this area.

EU CAP Network workshop

‘Innovative arable crop protection - using pesticides sustainably’

19-21 April 2023

Amsterdam, The Netherlands

All information on the workshop is available on the event webpage:

https://eu-cap-network.ec.europa.eu/events/eu-cap-network-workshop-innovative-arable-crop-protection-using-pesticides-sustainably_en

