

Workshop ‘Innovative arable crop protection – using pesticides sustainably’

Amsterdam, the Netherlands
19-21 April 2023



Funded by
the European Union



Research, innovation and knowledge exchange
supporting the reduction of pesticides

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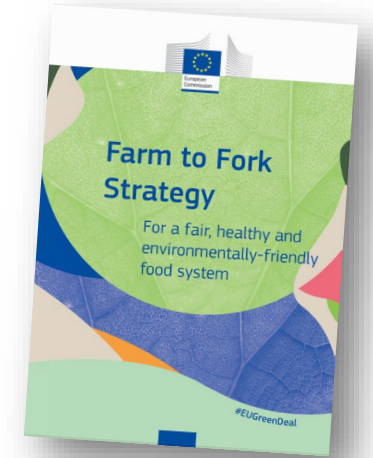
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Farm to Fork Strategy and IPM

Farm to Fork Strategy

2 key pesticide reduction targets by 2030

- Reduce by 50% the overall use and risk of chemical pesticides
- And reduce use by 50% of more hazardous pesticides



Integrated Pest Management

Integrated Pest Management (IPM) emphasises the growth of a healthy crop with the least possible disruption to agro-ecosystems and encourages natural pest control mechanisms and chemical pesticides are used only as a last resort.

- IPM is promoting in the **Sustainable Use of Pesticides Directive 2009/128/EC**
- New measures included in the adopted proposals for a new **Regulation on the Sustainable Use of Plant Protection Products (SUR)** to ensure that all farmers and other professional pesticide users practice IPM

Research, innovation and knowledge exchange are key enablers



Plant health and protection in Horizon 2020



Precision Farming



Crop diversification, plant breeding, plant-soil interaction



* List of projects not exhaustive

👉 More information: [Plant Health Factsheet](#)

Stepping up IPM



An EU-wide farm network demonstrating and promoting cost-effective IPM strategies.

<https://ipmworks.net/>



IPM Decisions created an online platform with a wide range of decision support systems and weather data from across Europe for decision support of IPM.

<https://www.ipmdecisions.net/>

EU-funded support to healthy cropping systems along the years



2014-2020

+30 projects
+160 million euros

Multi-Actor approach



2021-2027

2021-2024

14 topics
+100 million euros

+

Co-funded partnerships:

[Agroecology](#)
[Agriculture of Data](#)

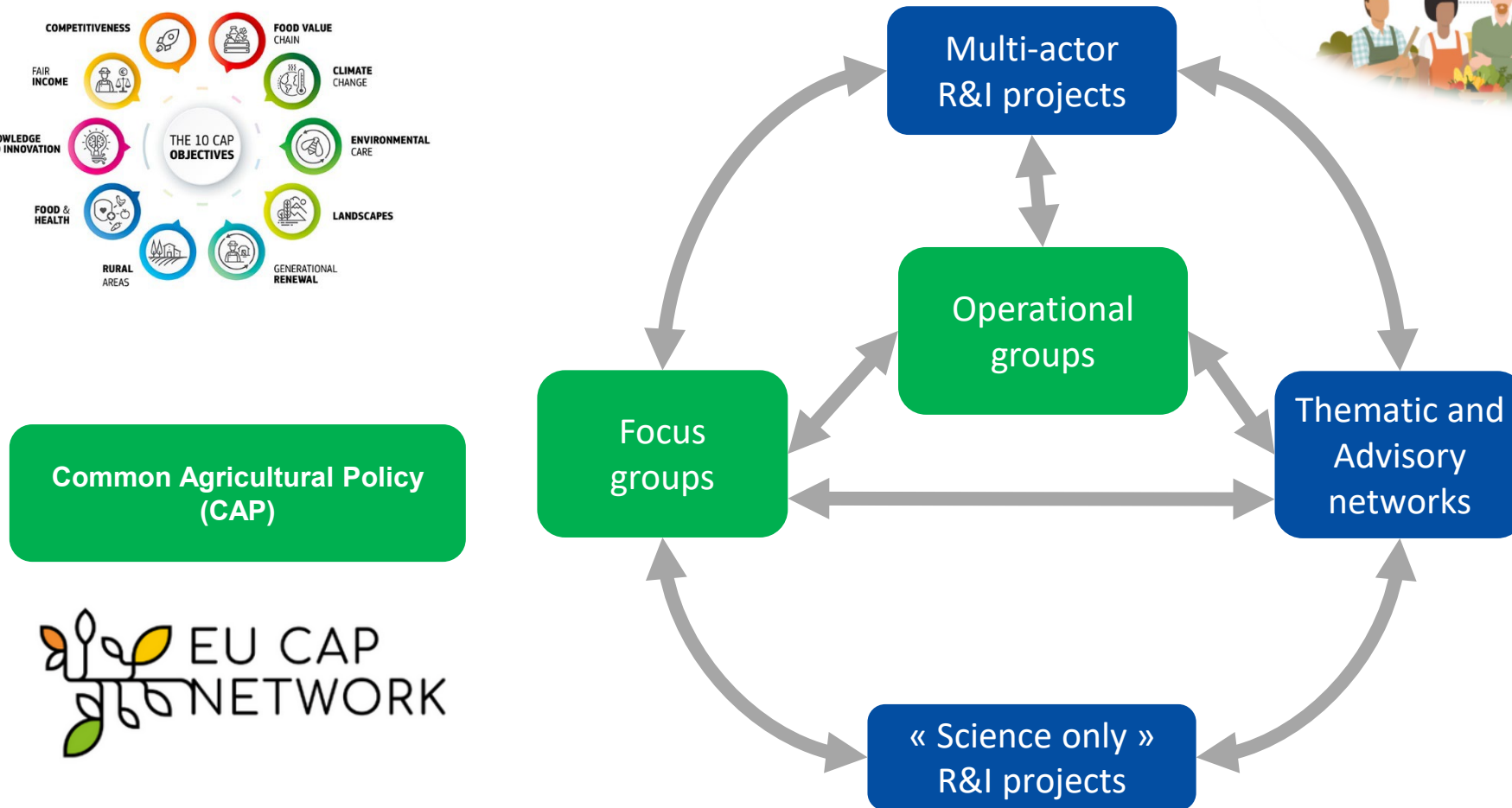
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Mission: “A Soil Deal for Europe”



Detailed information tomorrow in the presentation “EU Research & Innovation opportunities for healthy crop systems”

Boosting implementation of R&I and impact on the ground



Horizon 2020
Horizon Europe



*The European Innovation Partnership for Agricultural Productivity and Sustainability (EIP-AGRI)

Fostering knowledge exchange

Thematic networks (TNs) compiling knowledge ready for practice:

- collect and develop existing scientific knowledge and best practices that are insufficiently known or ready for farmers, foresters and rural communities to implement.
- translate knowledge into easily understandable material.

Examples



European Thematic Network for unlocking the full potential of Operational Groups on **alternative weed control**



EU-wide Thematic Network dedicated to the world of **spraying technology innovations, training & advising**



Thematic network focusing on knowledge sharing of **SMART Integrated Pest Management (IPM) solutions for vegetables crops for farmers and advisors.**



Operational Groups

475 (out of 2788)* Operational Groups were/are working on pest and disease control.

Inspirational ideas:

- [Controlling wireworms in potato production](#) (AT)
- [Weed control with non-chemical alternatives](#) (PT)
- [A mobile app to monitor pests and diseases](#) (IT)
- [Biostimulants for sustainable agriculture](#) (IT)



[Farm of the future:
testing of circular agriculture](#) (NL)

Farmer's Toolbox for IPM



A screenshot of a web browser displaying the 'Farmer's Toolbox for Integrated Pest Management' website. The browser's address bar shows the URL 'https://datam.jrc.ec.europa.eu/datam/mashup/IPM/index.html'. The page has a dark blue header with the text 'Data-Modelling platform of resource economics'. Below the header, there is a breadcrumb trail 'Home > Farmer's Toolbox for Integrated Pest Management'. The main content area features a title 'Farmer's Toolbox for Integrated Pest Management' followed by three paragraphs of text. At the bottom, there are two grey boxes with yellow buttons: 'IPM - Best practices' with a 'Best practices >' button, and 'Crop/Sector specific guidelines inventory' with a 'Guidelines >' button. The European Commission logo is visible in the bottom right corner of the page.

<https://datam.jrc.ec.europa.eu/datam/mashup/IPM/index.html>



Plant health:
Protecting plants to
safeguard our future



Plant health:
Keeping plants healthy
while protecting the
environment

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

