

IPM works

IPMWORKS

AN EU-WIDE FARM NETWORK
 DEMONSTRATING AND PROMOTING COST-EFFECTIVE IPM STRATEGIES

CSA
 Oct. 2020 - Sept. 2024

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 THE EUROPEAN UNION' HORIZON 2020 RESEARCH
 AND INNOVATION PROGRAMME
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- **A strong societal and political pressure to decrease pesticide use in Europe**
European Green Deal, Farm-to-fork strategy >> halving pesticide use by 2030
- **The increasing number of farmers converting to organic agriculture will contribute to this task, however this alone is unlikely to achieve the goals**
>> need to decrease pesticide drastically in 'conventional' farms
- **A few pioneer farmers are using less pesticides than their neighbours**
Using alternative pest management methods, combined in IPM-based strategies

IPM : Integrated Pest Management

Objectives : demonstrate with pioneer farmers...

...that « IPM indeed works »

*allows to reduce the reliance on pesticides
while boosting the economic profitability at the farm level*

What is (holistic) IPM ?

- Use non-chemical preventive measures to decrease pest pressure
 - Many available solutions
 - Cultural practices *e.g. crop rotation, soil tillage, intercropping...*
 - Genetics *e.g. resistant cultivars...*
 - Physical control *e.g. mechanical weeding, insectproof nets...*
 - Biocontrol *e.g. beneficial organisms, mating disruption*
 - ...
 - often not fully efficient...
 - ... so need to combine several methods in a re-designed strategy
- Optimize treatments to avoid unnecessary ones
monitoring of pests, Decision Support Systems



Low pest pressure + optimized treatments >> low reliance on pesticides !

The project 2020-2024

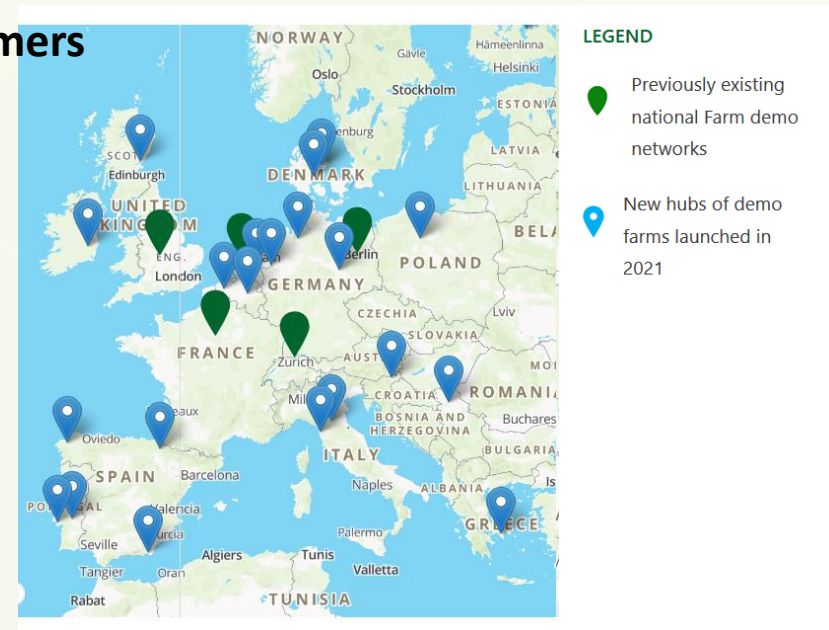
- **A network of demo farms**
demonstrating cost-effective IPM strategies



16 countries, 31 European partners research, advisory services, farmer's association, training...

- **Promote a holistic vision of IPM**
able to reduce the reliance on pesticides
- **A specific methodology based on hubs of farmers**
peer-to-peer knowledge exchange
to progress further towards holistic,
cost-effective IPM

- + DEMO 250 events planned
to hit a large number of farmers
- + data collection
to support demonstration of cost-efficiency
- + Videos, articles, leaflets, training...
to maximize impact



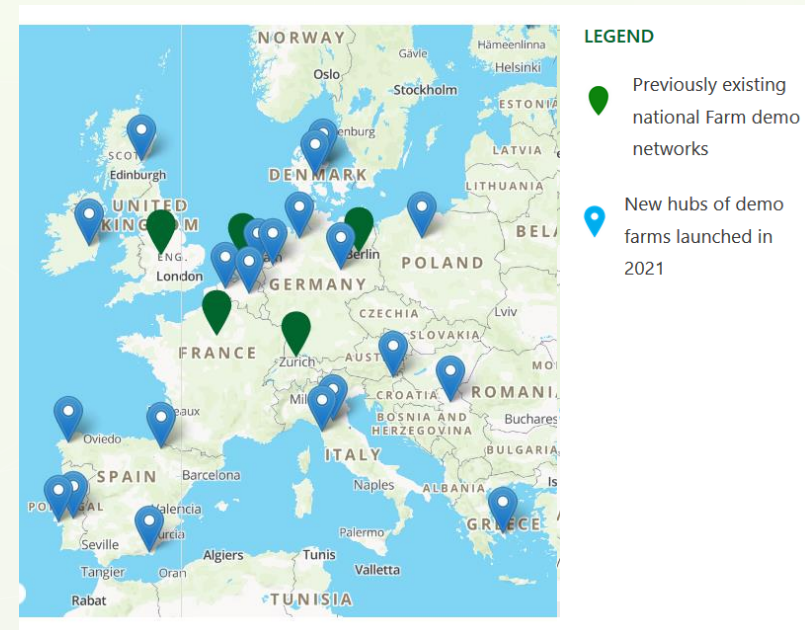
The project 2020-2024

- Coordination of 5 national networks of Demo farms



- + 22 new hubs of demo farms ≈ 250 farmers

*10-15 farmers, sharing the same types of crops
not far away from each other
wishing to reduce pesticide use
ready to share ideas
ready to support Demo events
ready to demonstrate that “IPM works”*



Existing Networks

- Arable Field Crops
- Vineyards
- Open-Air Vegetables, Soft Fruits and Ornamental
- Orchards
- Greenhouse Horticulture

New Hubs

- Arable Field Crops
- Vineyards
- Open-Air Vegetables, Soft Fruits and Ornamental
- Orchards
- Greenhouse Horticulture

Number of Partners



- Arable field crops*
- Vineyards*
- Open-air vegetables, soft fruits and ornamentals*
- Orchards*
- Greenhouse horticulture*
- + Organic farming (transversal sector)*

A new approach for advisory services



The major role of “hub coaches”



- ✓ *Help farmers exchange knowledge*
- ✓ *Help farmers ‘think holistic’ / re-design the pest management strategy*
- ✓ *Help farmers find their own solution, best adapted to the specific farm*
- ✓ *Organise Demonstration events, based on “success stories”*



Before >> *« you have a pest in your field. You will have yield losses if you do nothing. Use this pesticide and the problem will be solved »*



« You had a problem this year with this pest. How can you change the crop rotation, choose resistant cultivars, adapt sowing dates, moderate the fertilisation, change the soil tillage, redesign the landscape ?... so that next year, the pest pressure will be lower and you will not need pesticide any more (not so frequently) »



- **Human sciences WP1**
>> recommendations for optimizing the adoption of holistic IPM
- **Capacity building WP2**
How to coach a hub of demo farms to help them progress further towards holistic IPM
- **In-field protocols for comparisons of alternative IPM strategies WP3**
- **IPM Resource Toolbox WP4**
A unique platform to find all relevant IPM-related information/tools
- **Data collection & processing WP5**
for demonstrating that IPM works, based on quantified data
- **Communication and dissemination WP6**
- **Training WP6**

Where are we ?

Project started Oct. 2020 for 4 years

- Hubs coaches identified
- Farmers groups set (or being set)
excellent feedback from farmer groups !
- Several DEMO event already done !



The 1st demo event IPMWORKS organized in April 2021 by COEXPHAL, South Spain

- First tools & deliverable done

SharePoint, DMP, Guidelines for hub coaches, Consent forms, internal communication...

- Website up & running

<https://ipmworks.net/>



IPMWORKS – a network of farmers to demonstrate that IPM indeed works!

Find out more

Objective
Promote IPM adoption to reach a -50% of pesticide use of European agriculture by 2030!

Target & Figures

21 new groups of demo farms in 14 countries	250 demo events, showing 250 success stories	31 partners from 16 countries
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- **The network of (holistic) IPM demo farms and the associated methodology**
 - ❖ *Maintain the network beyond 2024*
 - ❖ *Increase the number of hubs and of demo farms*
 - ❖ *Extend the network to all EU countries/regions where we are not*

joint strategy with NEFERTITI



- **the IPM Resource Toolbox** *joint strategy with IPM Decisions*



Our strategy for long-term sustainability

- **Training sessions targeting advisors in regions where we are not**
technical aspects of (holistic) IPM, demonstration of cost-efficiency, soft skills for managing hubs and promoting knowledge exchange and the design of IPM-based strategies at the farm level
- **In all EU countries : Contacts with Ministries in charge of Agriculture, Rural networks, Operational groups, and advisory services**
to inform them about IPMWORKS
- **Meetings of all persons involved** *first meeting in Brussel, spring 2022*



THANKS!



<https://ipmworks.net/>



<https://twitter.com/H2020IPMWorks> #IPMWORKS #H2020IPMWORKS



<https://www.linkedin.com/company/ipmworks>



<https://www.youtube.com/channel/UCK5N5H7gew9rrRITo-kB8Iq>

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