



IPMWORKS

a European network
of pioneer farmers
engaged to demonstrate
cost-effective
IPM-based strategies
with low pesticide use

Program H2020 – CSA
(2020-2024)

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Farming without harming:
policy action for resilient agriculture
26 June 2024



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THE EUROPEAN UNION' HORIZON 2020 RESEARCH
AND INNOVATION PROGRAMME
UNDER GRANT AGREEMENT N. 101000339

Objectives of IPMWORKS

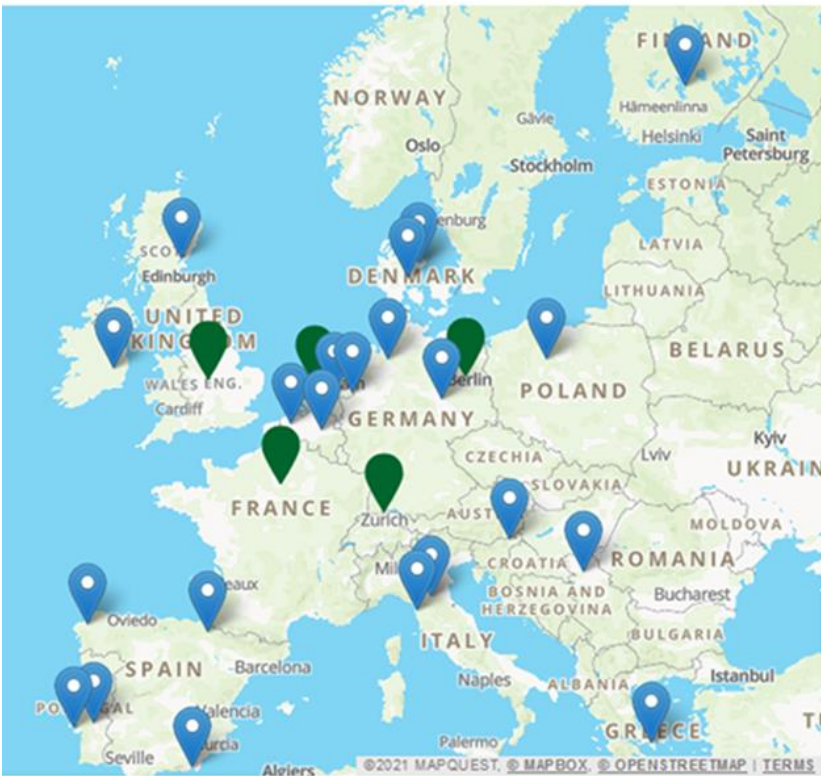


Demonstrate (with 'pioneer' farmers) that

- Reducing drastically pesticide use and impact is possible...
- ...is cost-effective...
- ... and does not impair food security in EU



The network of IPMWORKS demo farms



5 pre-existing national networks

22 new networks of demonstration farms
Each led by a « Hub Coach »

5 agricultural sectors



31

Partners



16

Countries

22

Hub coaches

246

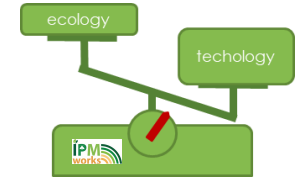
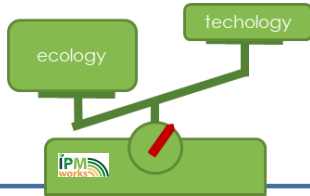
Demo Farmers

264

Demo events planned

The diversity of approaches to holistic IPM

IPM is highly site-specific



A mixed farm (cereals and dairy cows)

reducing pesticide use thanks to holistic IPM

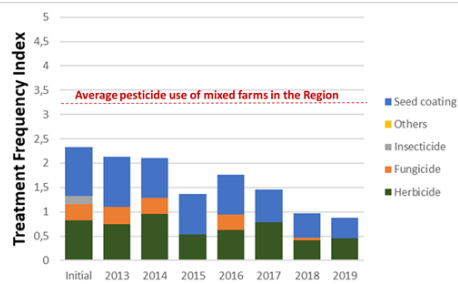
The farm

- Region : Normandie (North-Western France)
- Area : 85 ha
- 90 dairy cows
- Specificity : on-farm marketing



The strategy for pest/disease/weed management

- Crop rotation including temporary grass lands + maize and wheat
- Mechanical weeding (harrow + hoe) in maize
- Mixture of wheat cultivars, resistant to diseases
- Delayed sowing of wheat (escape weeds and diseases)



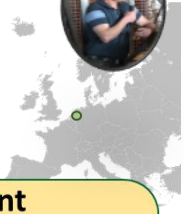
Low and decreasing pesticide use

A specialised farm (potatoes)

reducing pesticide use thanks to technology

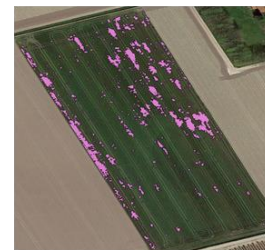
The farm

- Region : Dutch polders
- Area : 135 ha
- Main crop : potatoes (+sugar beet, wheat, onions...)
- Specificity : on-farm marketing



The strategy for pest/disease/weed management

- Resistant cultivars
- Decision Support Systems for optimizing decision making
- High technology for treatments of seeds (more water, less PPP)
- High technology for foliar treatments
 - fungicides on potatoe leaves
 - herbicides on patches of perennial weeds



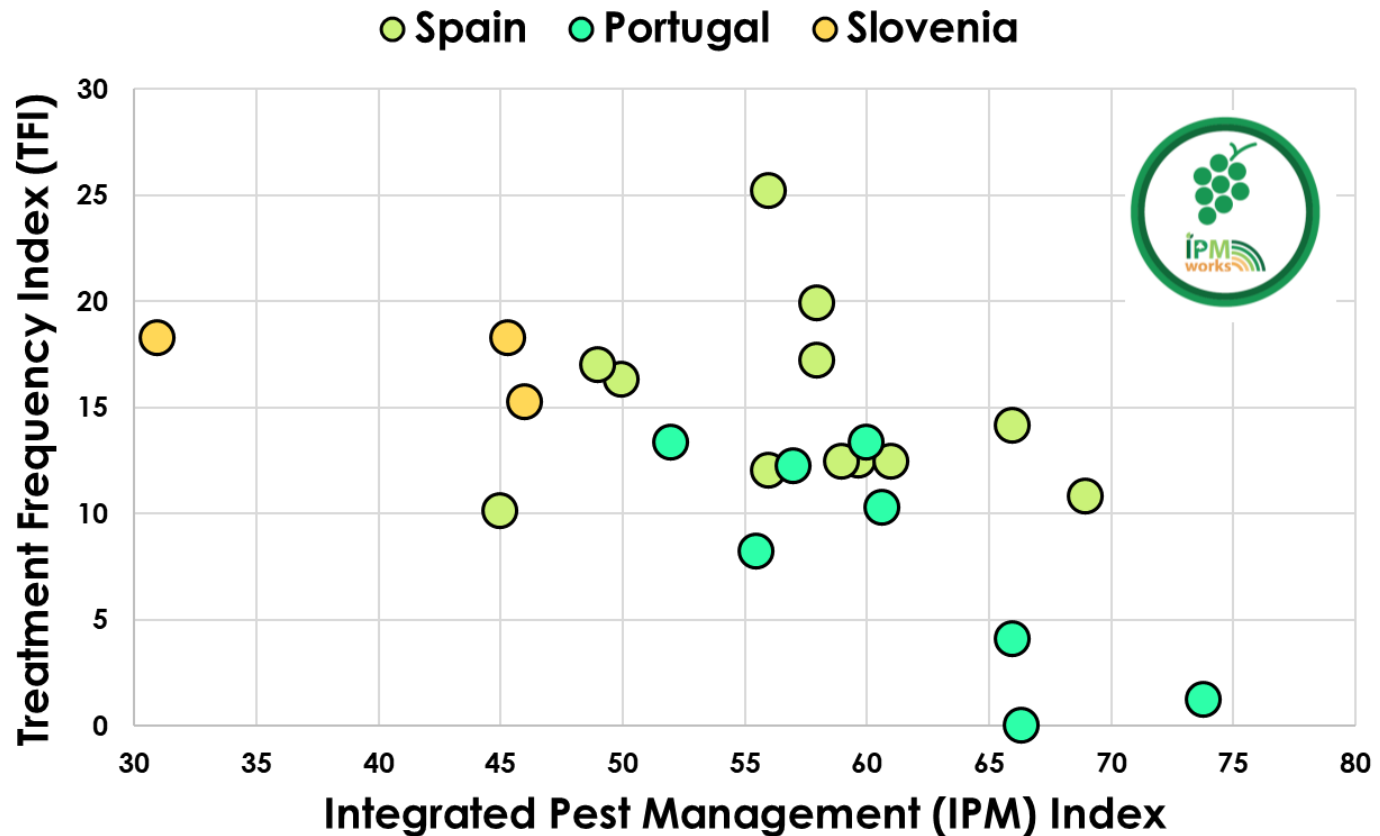
Objective of halving pesticide reached

1

Survey #1 : 2021

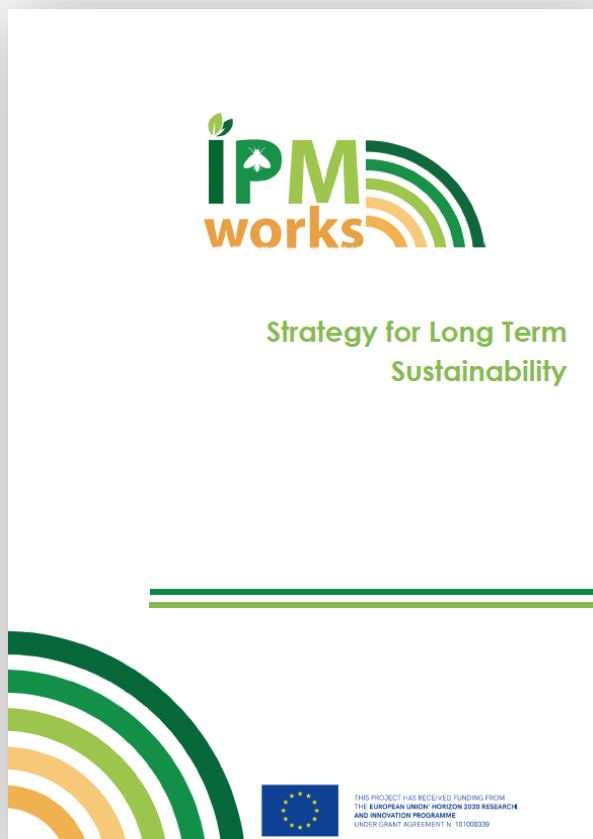
Qualitative data : IPM awareness, IPM adoption, rough estimate of pesticide use, and self-assessment

IPM indeed reduces PPP use
A tentative index of IPM adoption



Challenge for the future Long Term Sustainability

The project ends on September 30th, 2024 **Demande d'extension de 6 mois en cours**
« We would like the network to continue, and extend »



- Target for medium term
200 Hubs, 2500 farmers throughout Europe
22 hubs + 5 national networks + new welcomed hubs (including launched from other initiatives)
- Funding
 - Funding the coordination of the network
Working plan, capacity building, peer-to-peer knowledge exchange, communication, data collection, data analysis
No funding solution yet !
 - 'Self-funding' of each Hub
Budget : adviser half-time, travel, functioning, rewards to farmers
Attract CAP funding dedicated to Farm Demo whenever possible

THANKS for your attention!



The IPM**WORKS** Hub Coach 'Capacity building', March 2022, Toulouse, France



HORIZON 2020
N. 101000339

IPMWORKS is a FarmDemo aligned project and is
partnered with the IPM Decisions Project



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Survey #2 : toujours en cours ! Difficile

Quantitative data : quantitative indicators of PPP use, impact and cost-efficiency

>> Communication sur la base des résultats DEPHY

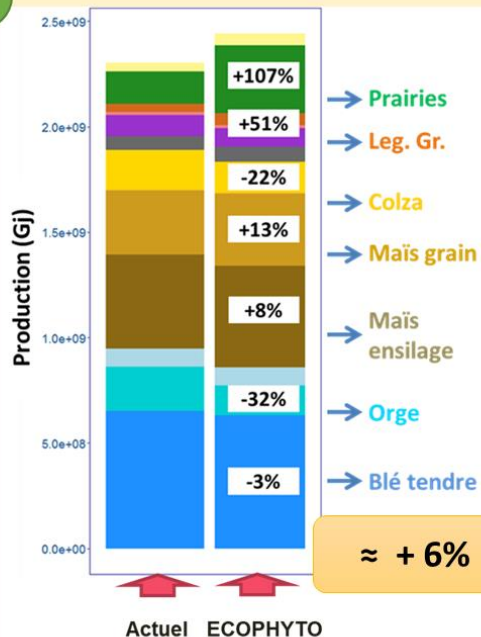
Simulation de scénario de généralisation du changement

Que se passerait il si tous les agriculteurs de France adoptaient les pratiques de l'agriculteur DEPHY le plus économe dans un contexte similaire ?

1 Usage de pesticides

≈ - 40 %

2 Productivité de la ferme France



3

Balance commerciale France

Scénario de prix moyen 2010-2015

