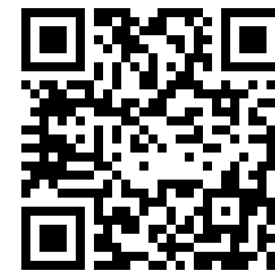




CENTRO DE INVESTIGACIONES
CIENTÍFICAS Y TECNOLÓGICAS
DE EXTREMADURA



<http://cicytex.juntaex.es/es/>

Call: HORIZON-CL6-2024-GOVERNANCE-01

(Innovative governance, environmental observations and digital solutions in support of the Green Deal)

Topic: HORIZON-CL6-2024-GOVERNANCE-01-9

(Thematic networks to compile and share knowledge ready for practice)

Type of Action: CSA

Opening: 17 Oct 2023 Deadline: 28 Feb 2024

“AKIS multi-actor network on integrated fungal disease management ready to reduce pesticides use”

LAURA MARTÍN. laura.martin@juntaex.es

Researcher Plant Protection Area

Centro de Investigaciones Científicas y Tecnológicas de Extremadura (CICYTEX)



Cofinanciado por
la Unión Europea

JUNTA DE EXTREMADURA

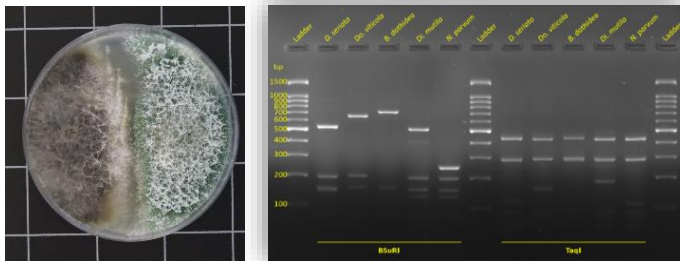
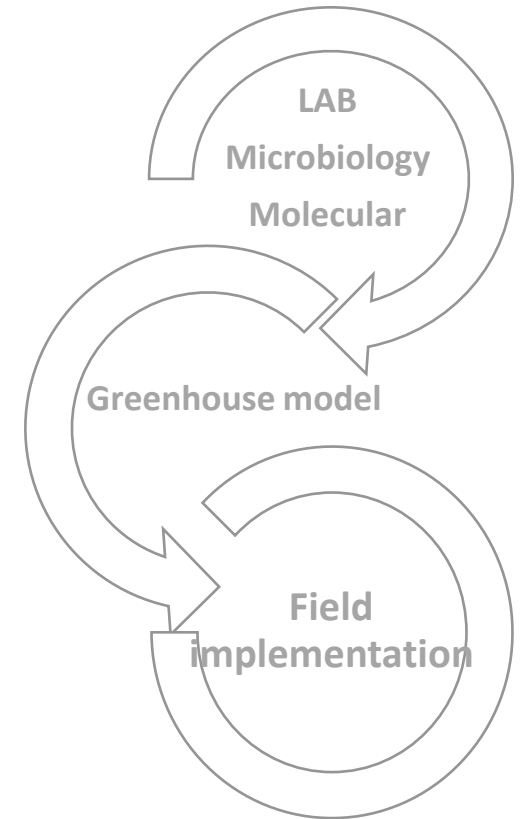
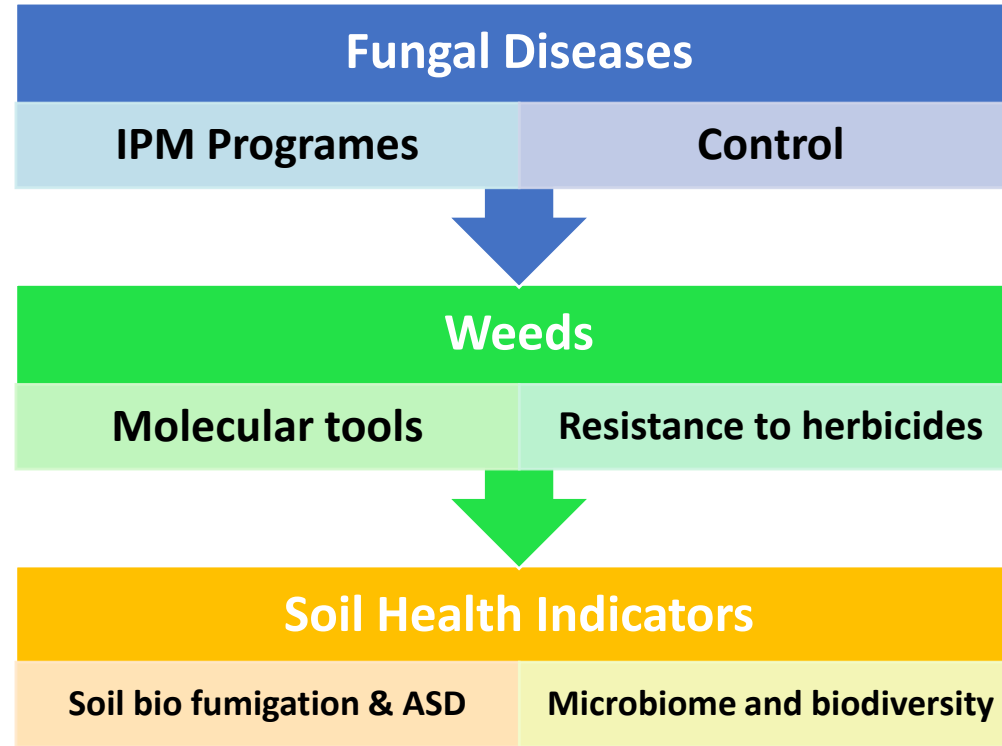
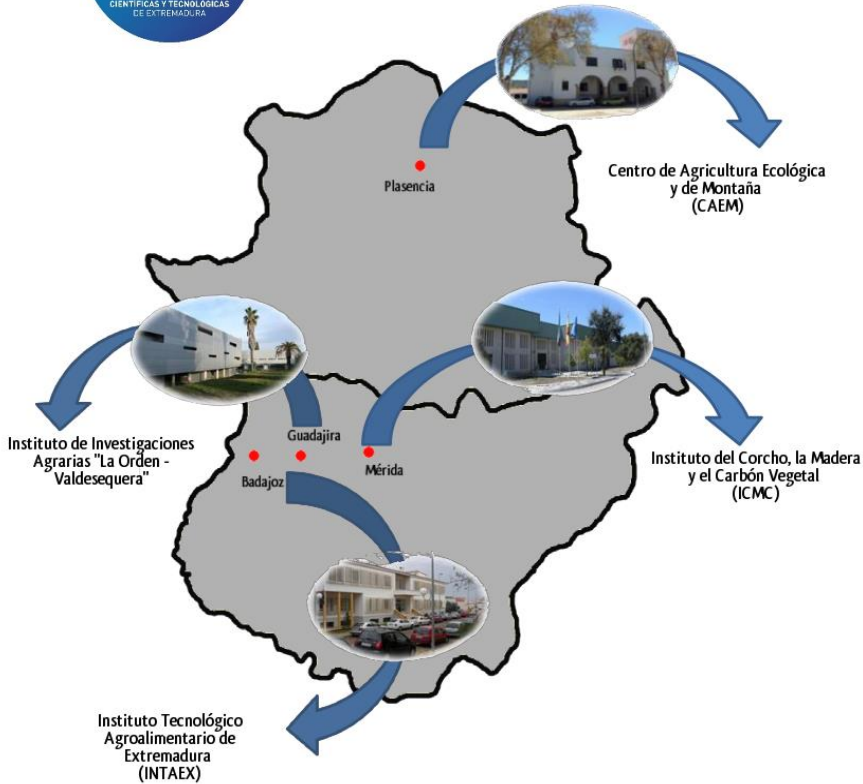
Consejería de Educación, Ciencia y Formación Profesional

CICYTEX is a public centre for Food and Farming research based in the Extremadura region (Southwest SPAIN)



<http://cicytex.juntaex.es/es/>

CICYTEX Plant Protection research focuses on IPM



Our goal is to develop applied research to the Extremadura agroecosystems, to work in a participatory approach with local stakeholders and to transfer them the scientific knowledge.



5

HORIZON
DIGITAL
H2020

- **AGROECOLOGY**. European partnership on accelerating farming systems transition – agroecology living labs and research infrastructures. Starting 2024.
- **GOOD**. AGrOecOlogy for weeDs. Grant agreement ID: 101083589. 2023 -2027.
- **MARGIN UP**. Grant agreement ID: 101082089. 2022 - 2026.
- **MYRIAD-EU**. Grant agreement ID: 101003276. 2021 - 2025.
- **T4E: Tech for Efficiency**. DIGITAL Programme of the European Commission Tech4Efficiency EDIH DIGITAL-2021-EDIH-INITIAL-01. EXTREMADURA EDIH. 2023-2025. <https://www.dih4e.eu/>

4



- LIFE21-NAT-PT-ZIMBRAL FOR LIFE/101074592. 2023-2028. (<https://www.zimbral4life.uevora.pt/>)
- LIFE20 NAT/ES/001477. LIFEAGROSTEPPEES. 2021-2026. (<https://stepsforlifeproject.org/>)
- 19 ENV/ES/000701. LIFE4DOÑANA. 2020-2024. (<https://www.life4donana.eu/>)
- LIFE17 ENV/ES/000329. LIFE RENATURALNNZEB. 2019-2024. (<https://www.liferenatural.com/>)



2

FIGGEN

MoreMedDiet

5



**PROGRAMA DE COOPERACIÓN Interreg VI
A ESPAÑA-PORTUGAL (POCTEP) 2021 -
2027. 3th CALL**

RAT_EOS_PC
TID4AGRO
BGREENER
SOS_ PRODEHESAMONTADO
CI Montado-Dehesa

- ✓ Fungal pathogens are enormous threats to plants, causing major losses in worldwide crop production.
- ✓ The group 'fungicides and bactericides' was the most sold group of pesticides in the EU in 2021.
- ✓ Information about fungicides and new alternatives is scattered and divided.

EU regulation



European Food Safety Authority

REGULATION (EC) No 1107/2009 about PPP

Emphasis on CfS fungicides

Group / Action

FRAC
FUNGICIDE RESISTANCE ACTION COMMITTEE

<p>A5: inhibition dithydroorotate dehydrogenase within novo pyrimidine biosynthesis # 22 benzimidazole fungicides</p> <p>Group 52</p>	<p>B5: tubulin polymerization # 22 benzimidazole and thiazole carboxamides</p> <p>Group 22</p>	<p>B5: tubulin polymerization of spectrin-like proteins # 43 benzimidazole fungicides</p> <p>Group 43</p>	<p>B6: actin/m # 47 cyanoacrylate phenylacetylantoniomycinacrylates</p> <p>Group 47</p>
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Protein Synthesis | **E: Signal Tr**

Crops / disease

- Soil-borne pathogens**
- Canker and wood pathogens**
- Biotrophic obligate pathogens**
- Post-harvest fungal disease**

Pathogen diagnosis & taxonomy



EUPHRESKO. Grant agreement ID: 266505

EPPO (2023) EPPO Global Database.
<https://gd.eppo.int>

- NO AKIS CONNECTION**
- NO CROSS-FERTILIZATION RESULTS**
- NO IN PRACTICE**

OBJECTIVE

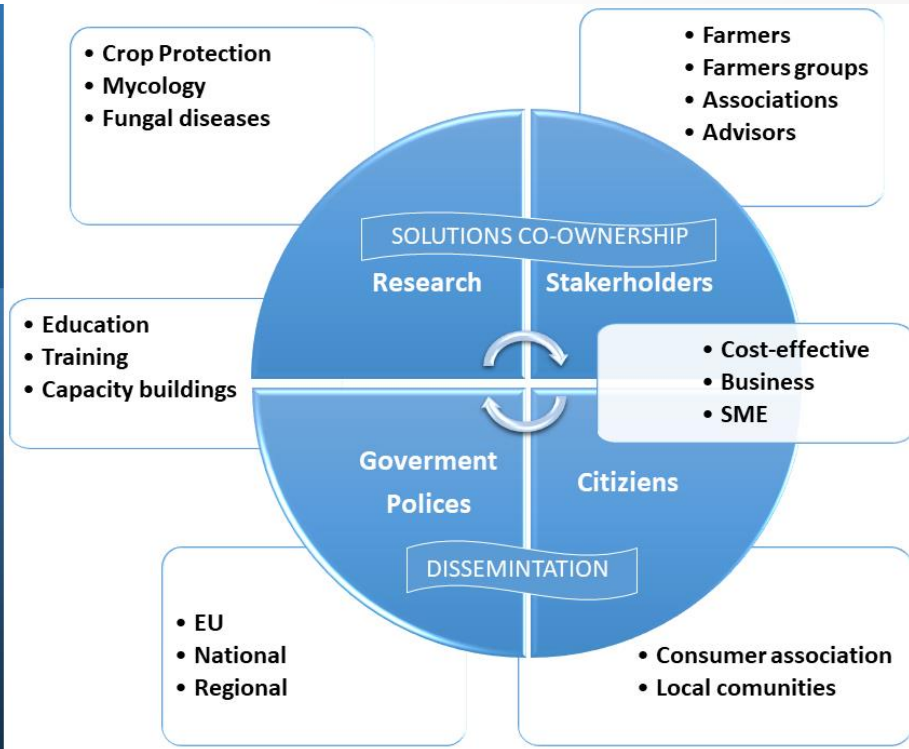
(I) The main goal is to develop a EU multi-actor network to collect, analyze, promote and disseminate sustainable alternatives to reduce the use of pesticides on fungal disease management across Europe.

(II) The aim will effectively connect national, regional and sectoral AKIS actors to intensify cooperation on fungal disease management and to co-create easily accessible knowledge and to establish cross-fertilisation activities and transfer tools to adapt and disseminate solutions for fungal disease control.

← Real life problems CROP FUNGAL DISEASES →

MULTI-ACTOR APPROACH

- Co-creation with all actors
- Knowledge exchange
- Cross-project collaboration



- EU Farm to Fork Strategy, focusing on reduction of pesticides
- Common Agricultural Police (CAP)
- EU Climate Policy
- EU Soil strategy for 2030
- 2050: A Healthy planet for all. The zero Pollution Action Plan

Communication, dissemination and promotion of synergies

- HORIZON-CL6-2023-GOVERNANCE-01-21: Developing EU advisory networks to reduce the use of pesticides
- HORIZON-CL6-2023-FARM2FORK-01-4: Towards research and innovation beyond farm to fork strategy targets for pesticides after 2030
- HORIZON-CL6-2023-FARM2FORK-01-7: Innovations in plant protection: alternatives to reduce the use of pesticides focusing on candidates for substitution



“AKIS multi-actor network on integrated fungal disease management ready to reduce pesticides use”

Partners entity type we are looking for (HORIZON-CL6-2024-GOVERNANCE-01-9)

Training activities

Capacity buildings

Education



EIP-AGRI Operational Groups

Advisors

Producer associations

Farmers

EU Policies



EFSA Advisory Forum: national food safety authorities



Stakeholders and EU Member States' administrations regarding CAP Strategic Plans

BASF
We create chemistry



CORTEVA
agriscience

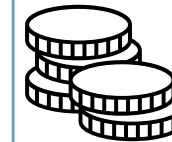
FMC



syngenta

FRAC is a specialist technical group of: CropLife

FRAC Member Companies



- Studying cost-benefit aspects
- Business
- SME

European and Mediterranean Plant Protection Organization (Mycology, PPP, BCA)



Researchers



Post-harvest



Biotrophic

NGOs & Organizations

