



WildPosh

Pan-european assessment, monitoring,
and mitigation of chemical stressors
on the health of wild pollinators



PROJECT SUMMARY

WildPosh is a multi-actor, transdisciplinary project whose overarching mission and ambition are to significantly improve the evaluation of the risk to wild pollinators of pesticide exposure, and enhance the sustainable health of pollinators and pollination services in Europe.

OBJECTIVES



Determine the real-world agrochemical exposure profile of wild pollinators at landscape level, within and among sites



Characterise causal relationships between pesticides and pollinator health



Build an open database on pollinator traits/distribution and chemicals to define exposure and toxicity scenario



Propose new tools for risk assessment on wild pollinators



Drive policy and practice

ACTIONS



Provide the first pan-European quantification of the exposure hazard of pesticides to representative wild pollinators while characterising their populations



Use integrated and controlled laboratory and semi-field experiments, determining how major categories of pesticide alone and in mixtures affect pollinator health



Develop databases on ecological traits and the spatial distribution of pollinators in relation to their potential exposure to pesticide, and on pesticide use and their toxicity



Propose integrated systems-based risk assessment tools for wild pollinators



Use innovation to meet the need for monitoring tools, novel screening protocols, and practice- and policy-relevant research outputs to local, national, European, and global stakeholders



Funded by
the European Union

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CONSORTIUM

14

Institutions

9

Countries

The consortium consists of **14 partners** distributed in **9 European** countries and has extensive experience in Research and Innovation projects under Horizon, as well as excellent knowledge of environmental chemistry, modelling, nutritional ecology, proteomics, eco-toxicology and environmental policy.

PARTNERS

-  • University of Mons
-  • Pensoft Publishers
-  • Eesti Maaülikool, Estonian University of Life Sciences
-  • BioPark Archamps
- French National Agency for Food, Environmental and Occupational Health & Safety
- French National Centre for Scientific Research
-  • Martin Luther University Halle-Wittenburg
- Albert Ludwigs University Freiburg
- UFZ Helmholtz Centre for Environmental Research
-  • University of Turin
- Italian National Institute of Health
-  • National Veterinary Research Institute - State Research Institute
-  • University of Novi Sad Faculty of Sciences
-  • University of Murcia



DURATION

4

Years, January 2024–December 2027



STRUCTURE

WP1

Monitoring scheme to determine sources and routes of pesticide exposure in environmental compartments/matrices

WP2

Effects of exposure to single pesticides single exposure and their mixtures on wild pollinators as novel models in laboratory and semi-field experiments

WP3

Omics of pesticide responses in pollinators

WP4

Data curation and in silico modelling for risk assessment

WP5

Integrated systems-based risk assessment

WP6

Assessing the effectiveness and feasibility of mitigation measures

WP7

Communication, knowledge exchange and impact

WP8

Project Management and Scientific Coordination

PROJECT COORDINATOR

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