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• Wildbiene + Partner AG (WILD)
-  • Atlantic Pollination Ltd. (ATPOLL)  
• British Beekeepers Association (BBKA)  
• The National Farmers' Union (NFU)  
• The Red Beehive Company Ltd. (RBH)  
• Royal Holloway University of London (RHUL)  
• The University of Reading (UREAD)  
• Vita (Europe) Ltd. (VITA)



### KEYWORDS

environmental health, apiculture, entomology, environmental stressors, animal physiology, animal health

### CONSORTIUM

42 partners from 14 European countries

### DURATION


June 2018 - May 2023


### WEBSITE

[poshbee.eu](http://poshbee.eu)

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## PAN-EUROPEAN ASSESSMENT, MONITORING, AND MITIGATION OF STRESSORS ON THE HEALTH OF BEES

EU Horizon 2020 Research and Innovation Action

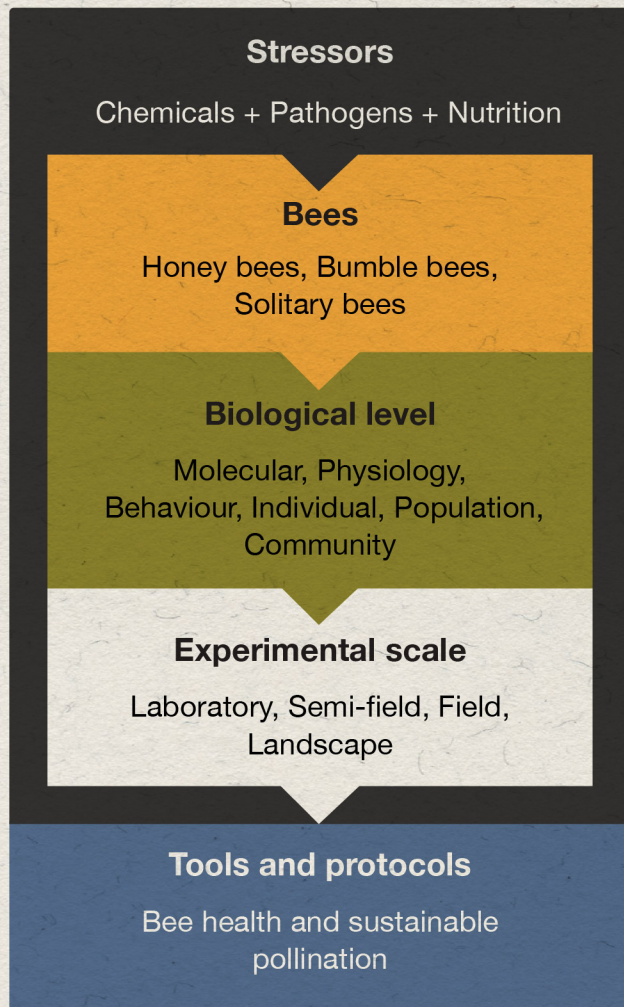


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## Background

Bees – honey bees, bumble bees, and solitary bees – pollinate crops and wildflowers and are essential for both human and planetary well-being. However, all around the globe, bees face many threats and are often in decline. While studies suggest that agrochemicals have a negative impact on bee health, their importance and relevance in the real world remains unclear.



## PoshBee will



provide the first pan-European quantification of the exposure hazard of chemicals to managed and wild bees;



determine how chemicals alone, in mixtures, and in combination with pathogens and nutrition, affect bee health;



use innovation to meet the need for monitoring tools, novel screening protocols;



provide practice- and policy-relevant research outputs to local, national, European, and global stakeholders;



support healthy bee populations, sustainable beekeeping, and sustainable pollination across Europe.

## Outcomes



1 Fill a major knowledge gap in the exposure hazard of chemicals for bees.



2 Provide key information for the development of improved policy and regulations for the safe and sustainable use of agrochemicals in Europe.



3 Help beekeepers and other stakeholders improve bee health management, and fill a major knowledge gap on how hazards interact to threaten bee health.



4 Validate landscape-explicit models for risk assessment in honey bees, bumble bees, and solitary bees.



5 Develop a novel molecular monitoring tool, or 'health card' for bees, that measures chemical exposure, pathogens, immune capacities, and nutritional state.



6 Create best practice tools, protocols, training resources, and policy support for stakeholders across Europe to promote sustainable beekeeping, bee health, and pollination services.