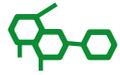


## OBJECTIVES

BIOVEXO project explores innovative biopesticides, targeting the *Xylella fastidiosa* bacterium. Several biocontrol solutions will be tested acting either against *Xylella fastidiosa* or its vector. Tested solutions include:



Bacterial strains



Microbial metabolite



Plant extracts



Entomopathogenic fungus

Following small-scale field trials, real-life evaluations with improved formulation will take place in Italy and Spain.

BIOVEXO Project aims to upscale production of best-performing biopesticides ready for commercialisation latest by 2025.

## IMPACTS

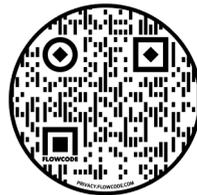
BIOVEXO project will provide understanding of the biopesticides' mode of action to support final product development. Above all, it will:

- Ensure **continued** olive and almond **cultivation**
- Reduce the use & risk of **harmful pesticides**
- Reduce the socio-economic pressures of *Xylella fastidiosa* & **disease severity** in olive cultivation
- Protect & secure long-established olive orchards with **socio-cultural value** (with 1,500 year-old trees)
- Prevent **future spread** of *Xylella fastidiosa* infections to secure and sustain jobs in severely affected areas
- Protect global plant health and secure **fragile ecosystems**
- Ensure environmental & economic **sustainability**

## PARTNERS



## CONTACT



Project Coordination: RTDS Group

Scientific Coordination:  
AIT Austrian Institute of Technology

Communication:  
RTDS Group, biovexo@rtds-group.com



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Responsible for layout & content: RTDS Group



# BIOVEXO

Innovative biopesticides to combat *Xylella fastidiosa*



[www.biovexo.eu](http://www.biovexo.eu)

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# CHALLENGE

*Xylella fastidiosa* is one of the most dangerous plants pathogens that threaten **global plant health**. It colonizes the xylem vessels of the plant, which block the uptake of essential nutrients and water for plant health.

Once a plant is infected via the spittlebug, severe symptoms of *Xylella fastidiosa* become apparent, which often lead to plant death as they cannot be cured.

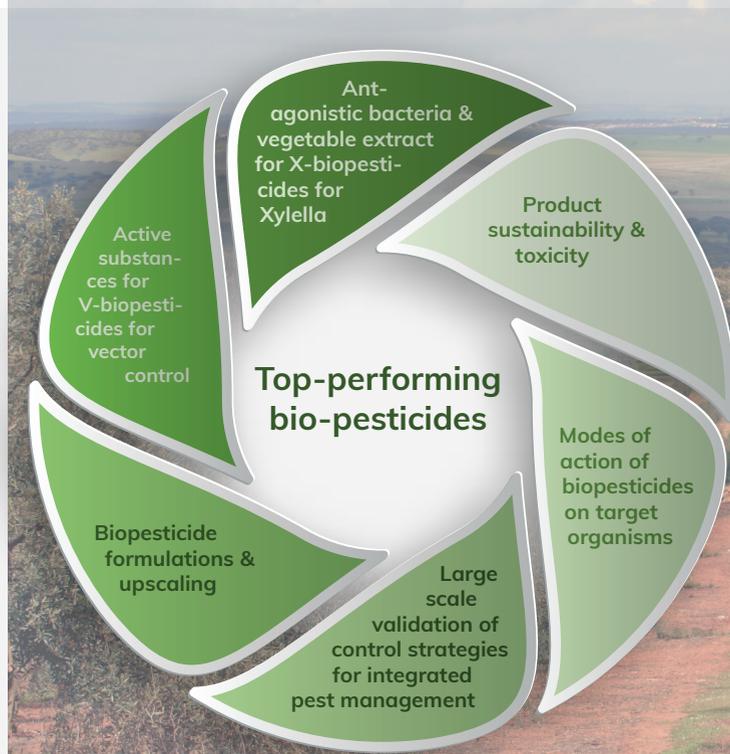


The spread of *Xylella fastidiosa* has been rapidly increasing across Southern Europe, damaging and destroying entire olive and almond orchards.



To date, there is **no organic solution available** on the market to battle the devastation caused by *Xylella fastidiosa*. Effectively, this places the economic and social-cultural sustainability of Europe at high risk.

# RESEARCH PLAN



# SOLUTIONS

Market introduction of top-performing biopesticides to combat *Xylella fastidiosa* and its vector.

The biopesticides will be utilised for curative and/or preventing purposes with the intent of protecting EU plant health.



# BIOVEXO FACTS

- EU contribution: € 6,612,227.48
- Overall budget: € 8,025,112.41
- Start date: 01/05/2020
- End date: 30/04/2025
- 11-partner consortium
- Innovation action