

# Modelling the epidemiology of Flavescence dorée in relation to its alternate host plants and vectors (Flavid)



## Funding

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## Research consortium

AGES (AT), BLW (CH), HCPHS (HR), INRA (FR), JKI (DE), NFCSO (HU), CREA (IT), INIAV (PT), NIB (SI), AUT (AL), UNIBO (IT)

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## Goals

The goal of the project is to develop a risk analysis system encompassing different risk models for particular epidemiological scenarios. Building on lessons learned from the modelling of different outbreak situation and emergency pathways of FD, risk-based surveillance schemes and control strategies will be elaborated.

## Objectives

The objectives of the project are:

- to investigate outbreaks (field monitoring, landscape analysis, studies on ecological traits of plant hosts and alternative vectors, genetic characterization of FD strains)
- to shed light on the epidemiology of FD
- to evaluate the impact of the secondary factors to the natural spread of FD and the efficiency of the possible control strategies
- to propose surveillance schemes adapted to different ecological scenarios and risk-based control strategies.

## Key outputs and results

The project will produce:

- simulation model for the dynamics of the spread of FD
- risk model to be used in different ecological situations
- validated surveillance schemes
- habitat management strategies for the control/reduction of the alternative vectors in relation to the cultivar susceptibility.