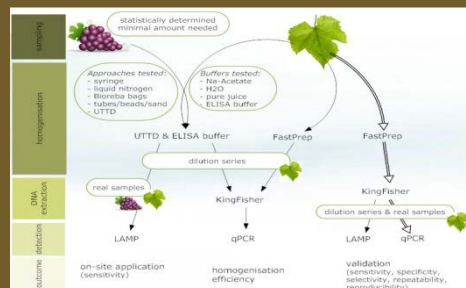


Grapevine flavescence dorée (FD) follow up Vitisens, GRAFDEPI and Qdetect (GRAFDEPI2)



Funding

Mixed non-competitive-virtual pot funding mechanism. Each funder only pays for the participation of their own national researchers. Total funding € 60, 000

Research consortium

SI-MAE, AT-AGES, IT-CRA

Contact information

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Goals

The goal of the projects is improvement of diagnostic for the causal agents of grapevine yellows and to get better insight into their epidemiology.

Objectives

The objectives of project are:

- to develop a new loop-mediated isothermal amplification (LAMP) based protocols for accurate, reliable, fast and affordable diagnostics of *Candidatus Phytoplasma solani*;
- to organize an interlaboratory trial to obtain validation parameters (EPPO PM7/98) (a ring-test) for the selected LAMP protocols for *Candidatus Phytoplasma solani*, as well as for the LAMP assay for FDp detection developed in the course of the FP7 project VITISENS;
- to study new possible hosts plants and insect vectors of phytoplasma FDp.

Key outputs and results

- standard protocol for *Candidatus Phytoplasma solani* DNA amplification by LAMP and validated parameters of LAMP assays for *Candidatus Phytoplasma solani* and FDp;
- evaluation of a possible role of *Orientus ishidae* in the transmission of FDp.