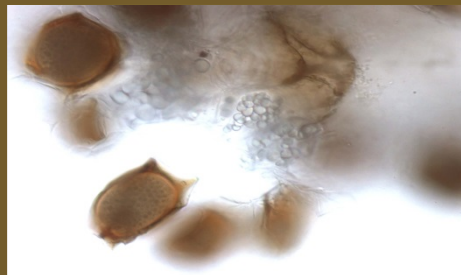


Diagnostic methods for *Synchytrium endobioticum*, especially for pathotype identification (SENDO)



Funding

Non-competitive funding mechanism. Each funder only pays for the participation of their own national researchers. Total funding € 200,486

Research consortium

BE-EV-ILVO, BG-BFSA-CLPQ, DE-JKI, IE-DAFF, LT-MoA, NL-PPS, NL-PRI, NL-HLB, UK-Fera, UK-SASA, UA-IPP-UAAS, RU-FGU-VNIKR, RU-St Petersburg, PO-IHAR

Contact information

Project coordinator: Gerard van Leeuwen and Kerstin Flath

g.c.m.van.leeuwen@minlnv.nl

Goals

To develop and validate adjusted bioassay methods and PCR methods to detect and identify pathotypes within *Synchytrium endobioticum*

Objectives

The objectives of the project are:

- to test new differential cultivars for pathotype identification (bioassay, Glynne-Lemmerzahl method)
- to validate PCR methods developed for detection and identification of *S. endobioticum* and its pathotypes
- to assemble the whole genome of *S. endobioticum* and to look for pathotype-specific markers (SNPs)

Key outputs and results

- Presentation at APS-meeting in USA, August 2014 : 'Occurrence of different pathotypes of *Synchytrium endobioticum* in Europe, and detection by molecular methods' (GvLeeuwen)
- several presentations at consortium meetings in Edinburgh, St Petersburg, and Wageningen

Still to be produced: scientific publications (1. revised set of differential cultivars for pathotype identification; 2. Taqman PCR test for discrimination of pathotype 1(D1) from higher pathotypes)