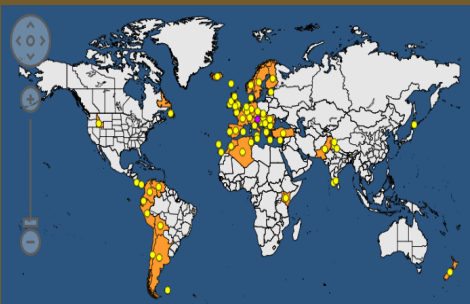


Survey of pathotypes of *Globodera pallida* occurring in Europe



Funding

Non-competitive funding mechanism. Each funder only pays for the participation of their own national researchers. Total funding € 51 300

Research consortium

AU (DK), INIAV (PT), Fera Science Ltd (GB), SASA (GB), NAK (NL), UoC (PT)

Contact information

Project coordinator: Mogens Nicolaisen
mn@agro.au.dk

Goals

Globodera pallida and *G. rostochiensis* represent a threat for potato growing countries and as such they are quarantine pests. Deployment of the H1 resistance gene has been highly effective in controlling *G. rostochiensis*. However, this has led to strong selection of *G. pallida*, which has subsequently increased in prevalence in potato fields. Different *G. pallida* pathotypes exist which differ in their ability to overcome various sources of resistance. The focus of this project is to gain insights into the distribution and occurrence of *G. pallida* pathotypes in Europe and to compare and align the standard test populations in European countries.

Objectives

During the project, information will be shared in order to:

- share information on the presence and distribution of *G. pallida* in the partner countries over time
- use DNA markers for the molecular characterization of the collected material
- improve knowledge on *G. pallida* collections across the partner countries and to collect reference material
- compare the standard test populations in the partner countries for official resistance testing and determine how they differ in virulence

Key outputs and results

A mini symposium will be organised at the end of the project. The event will allow to share the results and knowledge produced in the framework of the project with official laboratories and national authorities