

Mycotoxins and fungal pathogens CONTrol by ACTinomycetes - CONTACT

Potentialities of actinomycetes from soils for the development of novel biocontrol products to manage cereals fungal diseases and mycotoxins risk

ABSTRACT

The main objective of this project is to propose a global approach to evaluate the potential of actinomycetes isolates for the control of wheat fungal diseases from in vitro testing till in planta efficacy. Moreover, the identification of active metabolites will provide useful information about the mechanisms of inhibition, but will also offer the opportunity to discover new molecules of interest. This project gathers four complementary research teams from UMR Qualisud, UMR BGPI, and TUB (Germany) to build a pluridisciplinary consortium able to answer the whole problematic. This consortium is composed of microbiologists, molecular biologists, phytopathologists, biochemists and chemists, all expert in their domains. This multidisciplinary collaboration will allow to perform competitive and high quality research for the development of biocontrol solution based on actinomycetes action.

Year : 2016

Project number : 1605-052

Type of funding : AAP

Project type : AAP OS

Research units in the network : BGPI-PHIM

Start date : 2017-09-01

End date : 2019-12-31

Flagship project : no

Project leader : Sabine Galindo

Project leader's institution : UM

Project leader's RU : QUALISUD

Budget allocated : 126000 €

Total budget allocated (including co-financing) : 126000 €

Funding : Labex