LIFE – FAGESOS



Phytophthora-induced decline of Fagaceae ecosystems in Southern Europe exacerbated by climate change: preserving ecosystem services through improved integrated pest management

UNIVERSIDAD D CÓRDOBA

Bruno Scanu - UNISS (IT)
Andrea Vannini - UNITUS (IT)
Carmen Morales-Rodriguez - UNITUS (IT)
Francisco Ruiz-Gómez - UCO (SP)
José Gomes Laranjo - UTAD (PT)



















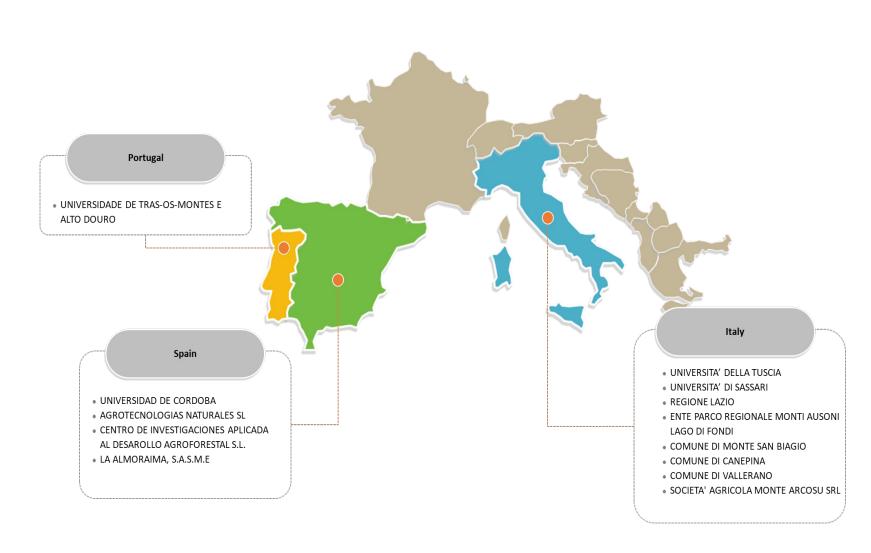




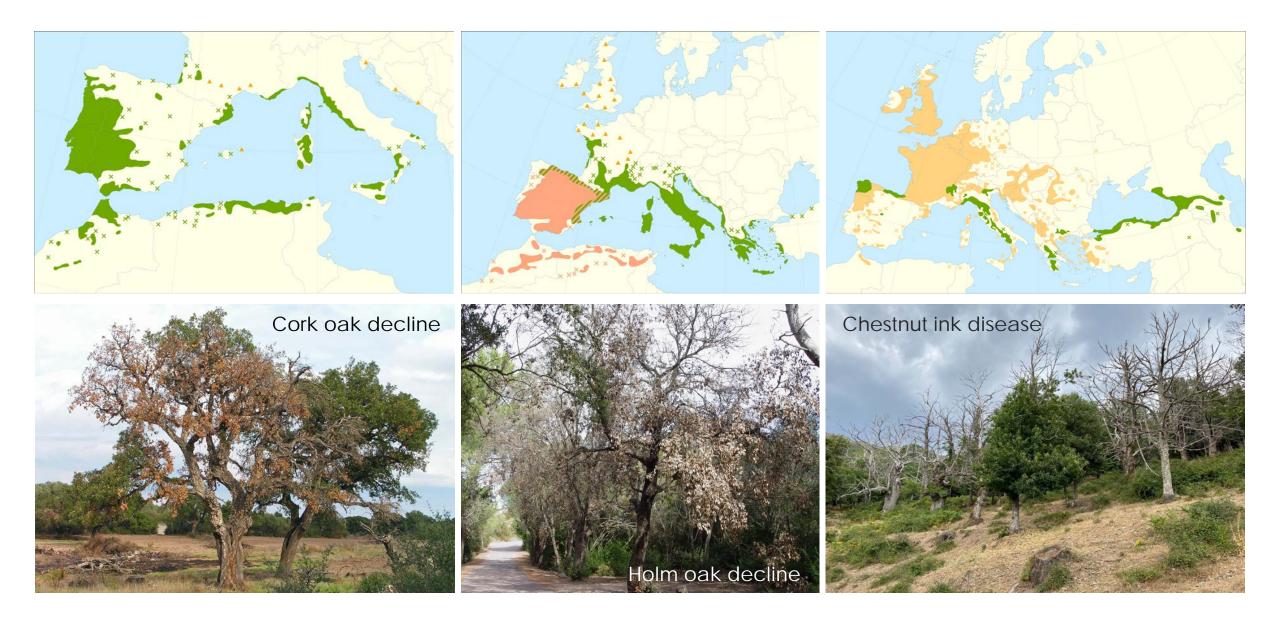
Monte Arcosu s.r.l.

The numbers of FAGESOS

- 3 Southern European countries
- 13 official partners among research institutions, enterprises, local authorities, and growers
- 14 main stakeholders including growers, associations, local authorities, and enterprises that stated their interest
- 5-year project
- Over six million euros of the total budget



Why this project?

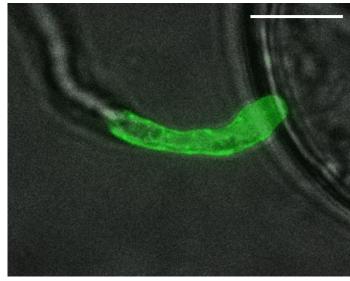


Decline mainly associated with Phytophthora















Work plan

WP1: Project Management and Coordination

WP2: Creation of a GIS-based service platform for disease impact and risk assessment

WP3: Development of new treatment and ground-based monitoring protocols to be used in integrated pest management

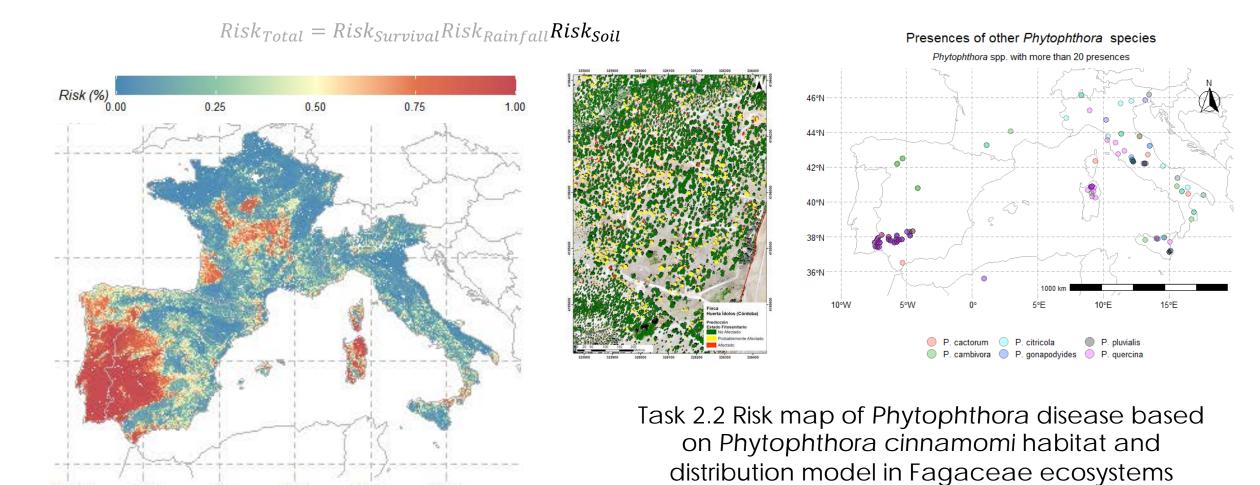
WP4: Large-scale application of new customized IPM protocols

WP5: Communication, Dissemination & Awareness Raising

WP6: Sustainability, replication and exploitation of project results

WP7: Performance and impact monitoring and evaluation

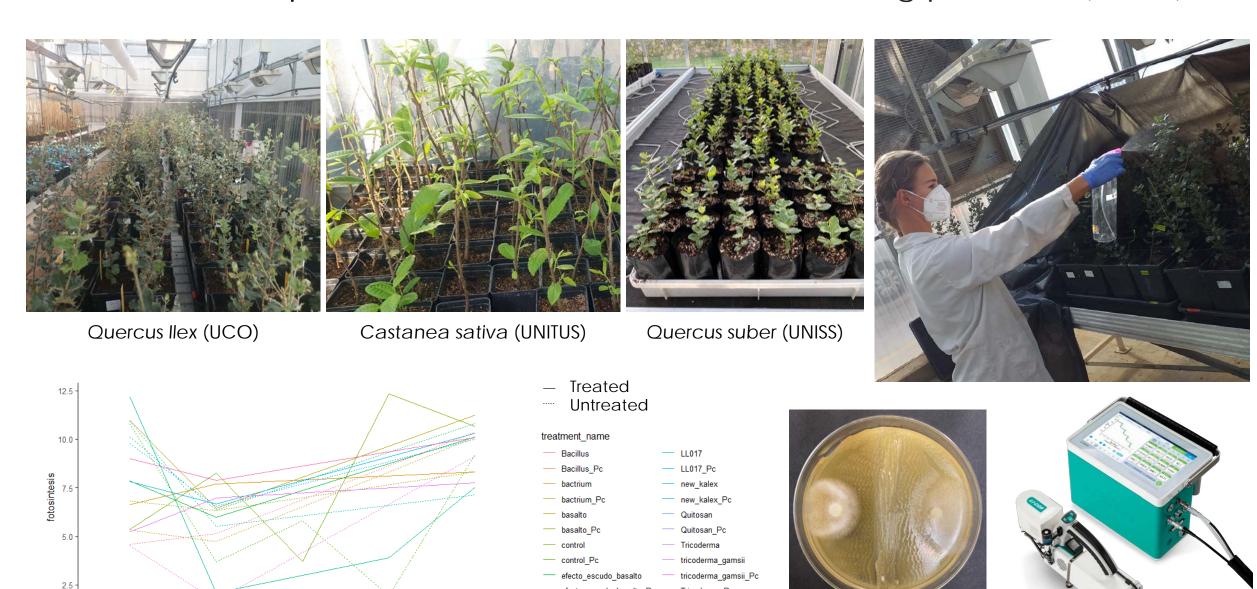
WP2: Creation of a GIS-based service platform for disease impact and risk assessment (UCO)



under different climate scenarios

15°E

WP3: Development of new treatment and monitoring protocols (UNISS)



efecto escudo basalto Pc

kalex Pc

02_02_2023

09_09_2023

15_02_2023

19_01_2023

25_01_2023

Tricoderma Pc

— tricoten Pc

Licor 6400

WP4: Large-scale application of new customized IPM protocols (UNITUS)







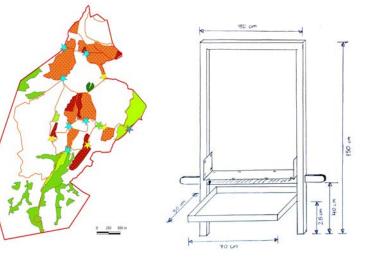
Monte Arcosu

- □ Farm border─ Country roads
- Phytophthora foci (Holm Oak): 29,00 ha
- Phytophthora foci (Cork Oak): 110,35 ha
 Cork Oak Reforestations: 146,46 ha
- Holm Oak Coppices: 79,00 ha
- Holm Oak Reforestations: 59,70 ha

Cleaning station

- Boots Cleaning Stations
- Concrete + Boots Cleaning Stations
- Mats Cleaning Stations
- Mats + Boots Cleaning Stations

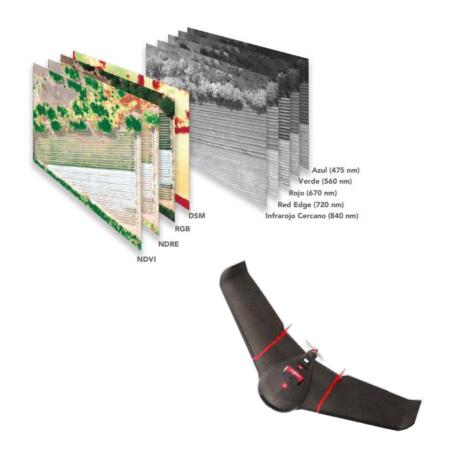
Boots Cleaning Stations n. 8 Mats Tires Cleaning Stations n. 10 Concrete Tires Cleaning Station n. 1

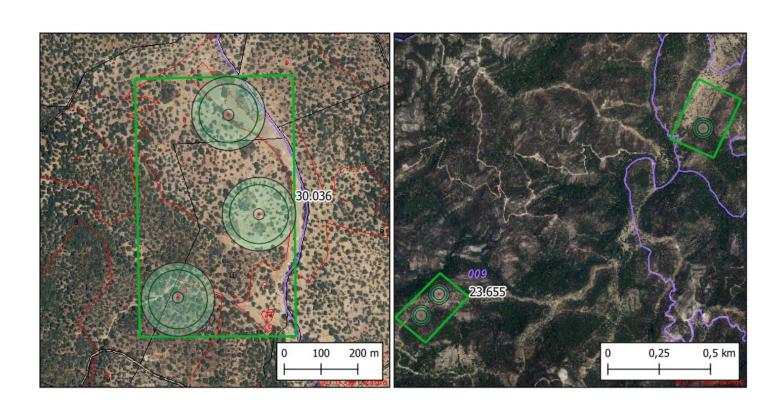




Successfully used to contrast the spread of Avian influenza (Bird flu) in the UK

WP5: Communication, Dissemination & Awareness Raising WP6: Sustainability, replication and exploitation of project results WP7: Performance and impact monitoring and evaluation





Thanks
grazie
gracias
obrigado

