



Operational Group: FitoMicorrizas - Mycorrhizae Plants Production.

FitoMicorrizas - Produção de plantas micorrizadas.



Practical problem

Wild mushrooms production presents two main problems:
- the need of new processes to optimize mycorrhization rates and selection of species with added value and tolerance to climatic changes;
- an inadequate monitoring process to improve efficiency and quality of the final products.

Partners

Type:

Research/ Teaching
Agri Association
Other Company
Other Association

Name:

Instituto Politécnico de Coimbra
Cooperativa Agrícola de Alfândega da Fé CRL
Voz da Natureza,Lda.; Greenclon,Lda.
Associação BLC3 - Campus de Tecnologia e Inovação

Project

Objectives:

Fitomicorrizas main goal is to achieve new strategies for native resources valorization, presenting new solutions to increase production efficiency of mycorrhizal plants and wild mushrooms, improving its management and aiming at the sustainability of forest systems with high environmental value.

Expected results:

Fitomicorrizas initiative will develop an optimized micorrhization methodology through the selection of added value forestry species and native fungi strains. A support guide will be designed for production and maintenance of mycorrhizal forest plants, allowing the creation of a producers group, which will receive an added value co-product and higher quality forest plants, increasing their profit.

Results so far/first lessons:

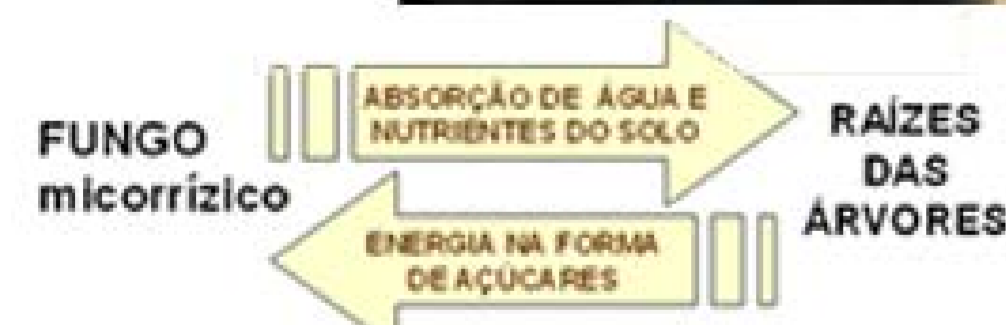
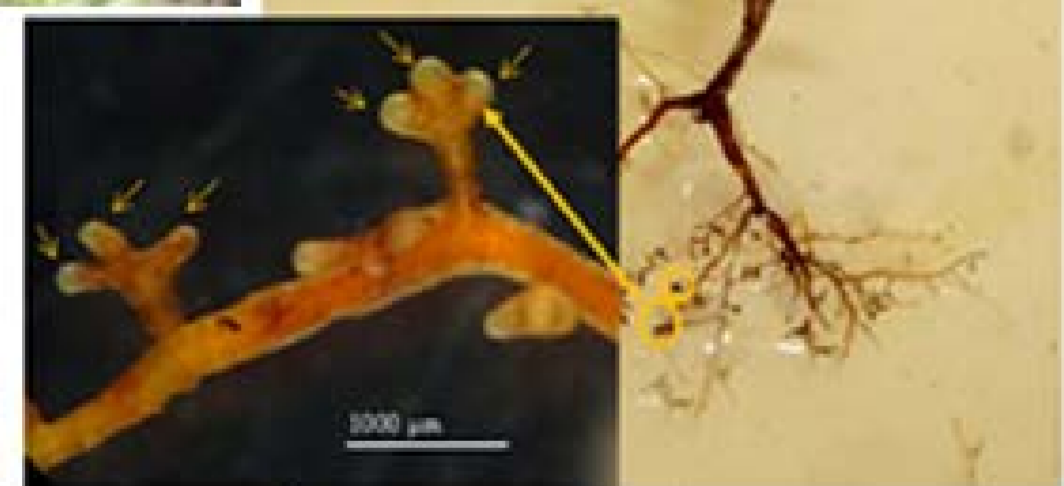
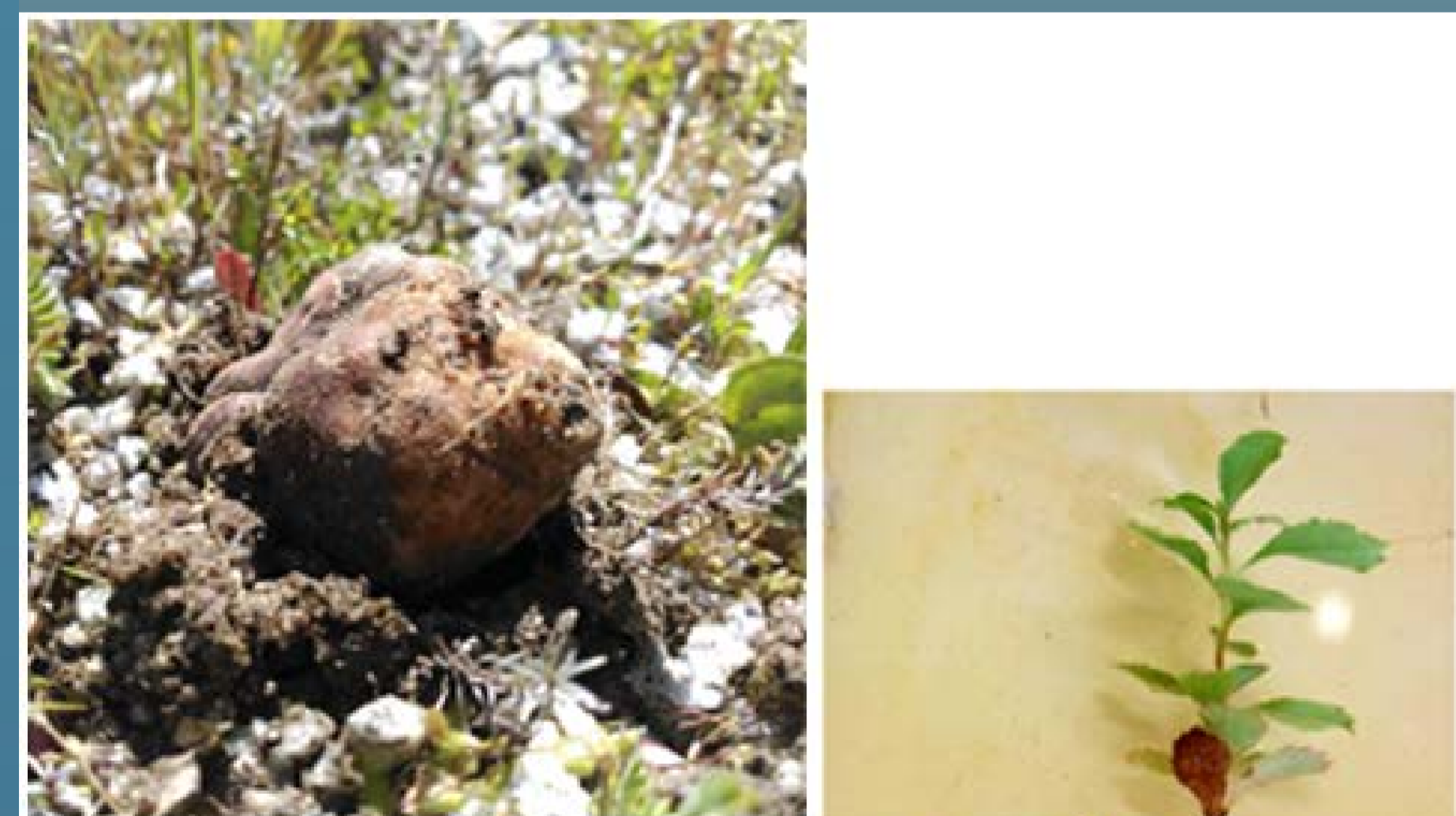
Castanea and *Arbutus unedo* plants were mycorrhized with *T. borchii* and *L. deliciosus* and were established in field trials. These symbioses increase the resilience of plants to the climatic changes and stresses, such as water and nutrients uptake and the inherent increase of plants vigor and resistance to diseases, allowing the creation of a product with an add value for forest producers.

Who will benefit:

Forest owners, their associations, sectors linked (cork) and also the mycological sector.

Start: May/2017
End: December/2021

Budget: 429.389 €



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