



**Integrating agroecology  
with the downstream:  
food value chains**



**AGRI  
Innovation** summit 2019

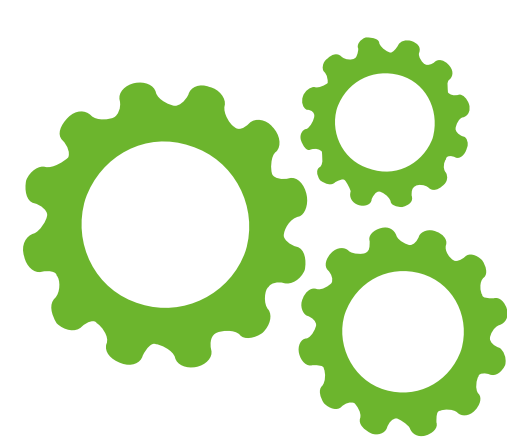


GOJIBERRIES

## Operational Group

### GojiBerries

GojiBerries



## Practical problem

Unawareness of the crop productive processes, ideal soil and climatic conditions for installation and production, and differences between cultivars.



## Partners

CONSULAI (advisory SME) FCUL (Science University from Lisbon) Bruno Beires (GojiBerries producer), AJAP (Farmers association).



## Calendar

Start: 01/10/2018  
End: 30/09/2021



## Budget

Total amount:  
€388,094.08

## Objectives of the project

Identify goji berries best agricultural practices, taking in consideration soil and climatic conditions; Identify among two cultivars of *Lycium barbarum* ("Short leaf" and "Long leaf") the most productive cultivar in organic production method and classify the two cultivars according to the objective being the productivity, rusticity, quality or organoleptic characteristics of the berries; Analyse and compare the main constituents of fresh and dehydrated fruits and leaves. Quantify the main components of berries and leaves, making them available in an accessible and easy to interpret table; Enable the consumption of fresh Goji berries and leaves of proven quality in the national market.

## Main activities

Phase 1. Monitoring of two cultivars of *Lycium barbarum* in organic production, with and without mycorrhizal inoculum. Monthly field trials and measurements will allow early detection of changes in potential productivity and impacts of environmental stresses. Phase 2. Production of goji berries and leaves for herbal teas. Collection of samples composed of leaves and fruits for quantification of its main components. Dehydrated samples will also be analyzed. Phase 3. Quantification of the main leaf and fruit components. The objective of this action is the comparative determination of the nutritive and antioxidant value of leaves and goji berries dependent on the cultivar.

## Expected results

Identification of best agricultural practices, including crop installation, it is intended to disseminate this knowledge to goji berries producers, as well as the most suited regions in Portugal in reference to soil and climatic conditions, creating at the same time a network of specialists, to support farmers in a critical first phase of decision-making and crop establishment. The project will also allow distinguishing two cultivars, allowing the farmer to have a choice based on agronomic data (and not on an intuitive basis only). This will allow to potentiate the production of more and better goji berries in Portugal.

## Results so far/first lessons

Because the project started in October 2018, there are still no results or lessons.

## Who will benefit

The results obtained will be published on a web page, making them available, among other resources, to anyone who wants to know more about this crop. Photographs and videos developed throughout this project will also be made available. A Goji Berry Production Manual will be developed, which will include: i) production processes, ii) recommended varieties for Portugal conditions and iii) tables with the quantitative and qualitative composition of the berries. This manual should be able to show the farmer the potentialities and advantages of cultivating Goji berries, identifying some important parameters, such as cost of production, market price, and possibility of use in marginal soils.

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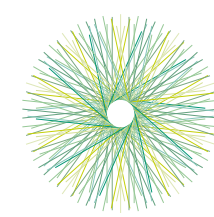
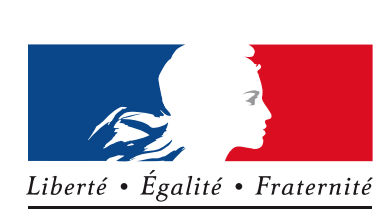


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AJAP  
Associação dos Jovens Agricultores de Portugal

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