



Operational Group:

Nature Bioative Food - Optimization of natural bioactive ingredients production from Portuguese traditional fruits and aromatic plants.

Nature Bioative Food - otimização dos extratos vegetais bioativos produzidos a partir dos frutos tradicionais portugueses e plantas aromáticas.

Practical problem

Absence of natural ingredients on food market from Portuguese endogenous agroforestry resources;
Lack of valorisation of Portuguese endogenous agroproductions and nonconformity fruits - source of bioactive compounds and new flavours profiles.

Partners

Type:	Name:
Research/Teaching	I&Tec-Caps – Innovation & Technology Encapsulation Solutions, Lda; Universidade Católica Portuguesa; Instituto de Biologia Experimental e Tecnológica-IBET
Agri association	Cooperativa Agrícola de Alfândega da Fé CRL; Agritábua -Cooperativa Agrícola do Concelho de Tábua, CRL
Other Assotiation	Associação BLC3 - Campus de Tecnologia e Inovação
Other enterprise	Voz da Natureza, Lda.
Farmers	Frederico Manuel de Oliveira Carvalhão

Project

Objectives: Obtain bioactive ingredients from endogenous agroforestry resources with healthy benefits and sensorially pleasant;
Evaluate the sensorial attributes and beneficial effects on health of the developed functional concentrates;
Produce new natural food ingredients/additives.

Expected results: Optimization of natural bioactive ingredients production from Portuguese traditional fruits and aromatic plants;
Creation of innovative natural food products adapted to the food standards - Functional Concentrates;
Conversion of Portuguese endogenous agroforestry resources into products with high added value.

Results so far/first lessons: Previous results of IBET pointed out that traditional varieties like Bravo de Esmolfe apple and Saco Cherry are powerful antioxidant sources compared with commercial varieties;
Traditional fruits and aromatic plants are a promising raw material for the production of bioactive extracts.

Who will benefit: The agrofood sector – Final ingredient users’
The farmers – Application of strategy developed in their productions.

Supported by:



Start: May/2017
End: April/2020

Budget: 353.684 €

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