

## ANALEGS.CAT - Fresh and cooked meat derivative substitutes made with vegetable protein sources from the Catalan primary sector

### Summary

Replacing meat products with meat substitutes is a growing trend. As far as the Spanish market is concerned, between 2019 and 2020, sales of so-called "plant-based meat" amounted to 87 million euros with a growth of 31% in terms of sales value.

New substitute products being developed food companies in response to growing consumer demand should be an opportunity for the primary sector to contribute valuable ingredients to the formulation of these products.

In the market for meat substitutes this "identity" can only be based on the origin of the ingredients they use. Therefore, the use of local ingredients, as well as being an opportunity for the Catalan primary sector, can also act as a seal of quality for producers of meat substitutes.

### Objectives

The main objective of the project is to develop fresh and cooked meat substitute products made from local vegetable protein sources, promoting the "plant-based" value chain in Catalan agriculture.

### Description of the actions planned in the project

- Activity 1. Identification and characterisation of potential sources of plant protein in Catalonia
- Activity 2. Development of prototype fresh and cooked meat substitute products
- Activity 3. Validation under industrial conditions
- Activity 4. Differential innovation, impact on the Catalan agricultural sector and legal framework
- Activity 5. Dissemination of results and promotion of the "plant-based" value chain in Catalan agriculture

### Expected results and practical recommendations

- Descriptive list of potential protein sources in Catalonia for the production of meat substitutes.
- A viable prototype for each type of fresh substitute studied (fine mince product and coarse mince product). Adaptation of fresh meat substitute prototypes (finely minced and coarsely minced) to industrial conditions.
- A viable prototype for each type of cooked meat substitute (thin paste and minced product). Adaptation of cooked meat substitute prototypes (thin paste and minced product) to industrial conditions.
- Status report on new ingredients and substitutes in the context of the market and legal framework.

### Leader of the Operational Group

ORGANISATION: SANT DALMAI, SAU

**Coordinator of the Operational Group**

ORGANISATION: IRTA - Institute of Agrifood Research and Technology

**Other members of the Operational Group (grant recipients)**

ORGANISATION: ZYRCULAR PLANT, SL

**Other members of the Operational Group (not recipients of the grant)**

ORGANISATION: ACTIVA FOOD TECH

**Subject area(s) of application**

- Agricultural production system
- Agricultural practice
- Agricultural equipment and machinery
- Livestock farming and animal welfare
- Vegetable production and horticulture
- Landscape / Territorial management
- Pest and disease control
- Fertilisation and nutrient management
- Soil management
- Genetic resources
- Forestry
- Water management
- Climate and Climate Change
- Energy management
- Waste and by-product management
- Biodiversity and environmental management
- Food quality/processing and nutrition
- Supply chain, marketing and consumption
- Competitiveness and agricultural and forestry diversification
- General

**Geographical area(s) of application**

PROVINCE(S)	REGION(S)
Barcelona, Girona	Osona, Selva, Baix Empordà, Pla de l'Estany

**Dissemination of the project (publications, conferences, multimedia, etc.)**

Different dissemination actions are planned to effectively explain the project and report the results, and reach the whole target public included in the scope of the project (agri-food sector from primary production, processing and distribution through to consumers): associations, sectoral conferences, informative article, infographic and publishable report and social media.

**Project website**

### More information on the project

PROJECT DATES	TOTAL BUDGET
Starting date: July 2021	<b>Total budget:</b> €243,206.40
	<b>DACC funding:</b> €112,471.49
Current status: Under way	<b>EU funding:</b> €84,846.91
	<b>Own funding:</b> €45,888.00

### With funding from:

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*Order ARP/113/2021 of 20 May, approving the regulatory bases for grants for cooperation for innovation by promoting the creation of European Association for Innovation operational groups in the areas of agricultural productivity and sustainability and the execution of innovative pilot projects by those groups, and Resolution ACC/1660/2021, of 27 May, announcing the call for the grant.*

