

## What is GUIPROGAL?

**GUIPROGAL** highlights the importance of pea cultivation in addressing global challenges of climate change and nutritional security. Local pea varieties are widely accepted by farmers for their rich quality profile and adaptation to suboptimal growth conditions. However, despite these recognized benefits, they have been neglected in mainstream production systems.

**GUIPROGAL** aims to recover and validate the agronomic and technological potential of traditional pea varieties through evaluation in controlled climates, enabling the safe selection of well-adapted regional cultivars assessed at different sites. Simultaneously, the quality profile and transformation potential will be enhanced by developing new protein-rich formulations for human and livestock feed, and transferring this knowledge to the sector. The validation of **GUIPROGAL** results and knowledge transfer to farmers will ensure the use of suitable seeds in specific areas of Galicia.

## What are Operational Groups?

Operational Groups are the main actors involved in the implementation of the AIE-Agri (Agricultural European Innovation Partnership for productive and sustainable agriculture). They are one of the key tools in the execution of the Common Agricultural Policy (CAP) 2023–2027 Strategic Plan that aims to impulse innovation in the agri-food and forestry sectors in Europe. Operational Groups bring together various stakeholders such as farmers, livestock breeders, companies, and research, formation, and dissemination centres, who collaborate to initiate innovative projects addressing shared needs and offering a combined and multisectoral response to current challenges.

## What results are expected from GUIPROGAL?

The expected results of **GUIPROGAL** will ensure the production and supply of high-quality, resilient native protein-rich pea varieties. Additionally, **GUIPROGAL** will enhance the productivity of selected varieties and make them available to farmers. The project will also achieve grain with optimal composition for inclusion in human and animal nutrition. On one hand, **GUIPROGAL** will develop quality food formulations and products for human consumption, validated through organoleptic, sensory characterization, and consumer acceptance studies. On the other hand, **GUIPROGAL** will develop specific feed formulations for livestock —with partial or total substitution of soy protein— validated in terms of meat quality and animal welfare.



## Want to know more about GUIPROGAL?

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or call us at **981 534 180**.

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The operational group **GUIPROGAL** is responsible for this content.



**Locally adapted pea varieties to increase resilience to changing environmental conditions, as a protein source for feed and food.**

**Total project budget: €139,556.94      Grant: €139,556.94**

This project is funded by the aid for executing innovative projects by Operational Groups of the Agricultural European Innovation Partnership (AEI-Agri). Detailed breakdown of project costs is as follows: European Agricultural Fund for Rural Development (EAFRD) contributes the majority, at 80%, followed by the Xunta de Galicia (Council of Galicia) at 14%, and the Ministerio de Agricultura, Pesca y Alimentación (Ministry of Agriculture, Fisheries and Food) at 6%. Consellería do Medio Rural (Galician Ministry of Rural Development) is the Galician Administration authority responsible for proposing and executing the general guidelines in agriculture, livestock, rural development and regional planning, rural structures, agri-food and forestry industries, mountains, and prevention and defence against forest fires.



## Who are the target audiences of GUIPROGAL?



Farmers and cooperatives.



Food processing companies.



Technology centers, research centers, and universities.



Technological platforms.



Relevant administrations.



Consumers and the general public.

## GUIPROGAL Activities

1



Improving the sustainability of protein-rich pea production.

2



Increasing the added value of processed agri-food products.

3



Validation of new products.

4



Implementation of the dissemination and transfer plan.

## What are the goals of GUIPROGAL?

The main objective of **GUIPROGAL** is to develop new food products and agricultural technologies that optimize and add value to Galicia's production by recovering and valorizing local protein-rich pea varieties, suitable for human and animal consumption, and adapted to sustainable farming systems.

To achieve this, **GUIPROGAL** will improve the quality and resilience characteristics of protein-rich pea varieties through field trials, selecting the varieties with the highest potential, and developing varieties with high-quality protein content and tolerance to extreme climatic conditions. Additionally, **GUIPROGAL** will develop value-added processed forms, identifying varieties with superior nutritional properties, creating processed forms that retain the characteristics of fresh products, developing formulations for animal feed incorporating pea protein, and validating the developed products for consumption. Furthermore, **GUIPROGAL** will carry out dissemination and knowledge transfer activities to enhance the sustainability and profitability of the entire sector.

## Who is part of GUIPROGAL?

The **GUIPROGAL** Operational Group is coordinated by Axiña Asesoramento Rural Integral S.C.G. and has the participation of the Centro Tecnológico da Carne (CETECA), Mision Biologica de Galicia (MBG-CSIC), Almacenes Gamallo S.L., and the Fundación Empresa Universidad Gallega (FEUGA), and Javier Sabín (livestock farmer) as collaborator.

**Axiña s.c.g.**  
Asesoramento Rural Integral

**CTC**  
centro tecnológico da carne

**MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES**

**CSIC**  
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**Gamallo**

**feuga**  
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