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PIC number: 920778903

Your R&D&I partner in plant science

📍 **Location:** Saint-Pol-de-Léon, France

🏢 **Organization type:** Non-profit applied research organization, SME

🌐 **Project involvement:** Partner or Task Leader or WP Leader

🔬 **Expertise areas:** Plant health, plant breeding support, food product quality, all crops

HORIZON-CL6-2026-02-FARM2FORK-03 Boosting the competitiveness of protein crops in Europe

💡 Project Idea(s)

✓ Development of protein-rich products, from the creation of new plant sources of proteins (new genetics, new crops,...) to the conception of food products with high consumer acceptance



Expertise & potential contributions

🧬 Support in breeding for protein-rich plant materials containing complementary amino-acids for human health

- ✓ Inter- and intra-specific crosses for new trait introgression, especially linked to protein accumulation or amino acid synthesis
- ✓ Development of molecular markers to tag genes of interest involved in protein biosynthesis pathways
- ✓ Precise plant-by-plant phenotyping, especially protein analysis

👁️ Consumer preference of protein-enriched food products and sensory analysis

- ✓ Analysis of desired or avoided sensory criteria
- ✓ Characterization of final product
- ✓ Perception and acceptability of food products by consumers

🌍 Impact of factors on the synthesis of proteins in plants (organ protein allocation, protein types, quantity,...)

- ✓ Evaluation of environmental factors, treatments, fertilization etc.
- ✓ Understanding mechanisms controlling protein synthesis pathways and storage in plant organs
- ✓ Nodulation improvement in legumes

Contribution areas

🔍 RR&D&I → TRL 3 to 6 experimentation in labs, growth chambers and greenhouses



Organization of customized training courses



Active communication through professional networks and social media : LinkedIn, Website, Newsletters, blogs, trade magazines, ...



About Vegenov

Vegenov is an applied research center specialized in plant science.

Its R&D teams conduct trials under controlled conditions (labs, growth chambers, greenhouses) in three main areas:

- Plant health - Evaluation of biosolutions (biocontrol and biostimulants)
- Plant breeding support
- Sensory and nutritional analysis of fresh and transformed products

Founded in 1989 in Brittany, France, Vegenov conducts national and international projects on plants and their interactions with microorganisms.

Its research focuses on:

- Sustainable and performant agriculture with reduced chemical inputs
- Climate change adaptation through resilient plant materials and biosolutions
- Production of fresh, tasty and nutritious food

Vegenov contributes to about 10 collaborative projects per year (European, national, regional projects). Vegenov is actively involved in professional networks of the seed and biosolutions industries (UFS, IBMA,...)

30 employees work at Vegenov, including 5 PhD researchers, 10 engineers, and 10 technicians.

European projects



Natural fungicides against Air & Soil borne Pathogens in the Atlantic Area

2018- 2022

<https://keep.eu/projects/19361/Natural-fungicides-against-EN/>



Breeding for Resilient, Efficient and Sustainable Organic Vegetable production

2018-2023 Work Package Leader

<https://www.bresov.eu>

Equipment



Molecular biology lab



Cell biology lab



Pathology lab



Biochemistry lab



Greenhouses and growth chambers



Sensory analysis lab

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