PROJECT

# VID VISION

## Design and development of a hybrid system based on artificial intellogence and vision models, and multispectral drone/satellite imaging, for the detection of grape stalks in irganic vineyards in the Ribera de Duero Appellation of Origin.

VID VISION is an R&D project whose objective is to research and design a hybrid system based on aerial imagery and satellite data sources, to train AI models for the automatic determination and counting of stalks in productive vineyards.

The problem of plant loss is a multifaceted challenge that affects not only the agronomic management of the vineyard and grape production, but also the natural environment and long-term sustainability. It is crucial to address this problem with integrated approaches that consider technical, environmental and economic aspects.

The VID VISION project aims to carry out an evolutionary prospection of both past and future years in order to accurately determine their impact on the production and sustainability of vineyards. Using automated detection methods mediated by aerial imaging, as well as cutting-edge technologies in remote sensing, Deep Learning, ante hoc - post hoc techniques and artificial vision. In this project, years of research, viticulture and artificial intelligence connect to predict the evolution of vineyards.

PAGO DE CARRAOVEJAS

FINCA Y BODEGA

# PROJECT
# VID VISION

BENEFICIARY: Pago de Carraovejas SLU

COLLABORATING ENTITIES: AIR Institute y Spectral Geo

AID DETAILS:

- Call for proposals: Subsidies for the implementation of R&D projects
- Organisation: Instituto para la Competitividad Empresarial de Castilla y León, co-financed by the European Regional Development Fund - ERDF.
- Pago de Carraovejas Budget
  -Total: 216.437,30 €.
  - Grant: 71.424,31 €.

DURATION:

- Start date: 11/06/2024
- End date: 30/09/2026



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