



Project name | NEP - *high Nitrogen Efficient crop Production for better water management.*

Code/project reference | PDR 2020-101-031453.

Main objective | To develop two new agricultural products with low nitrogen footprint (N):
processing tomato and vineyard.

Regions of intervention | Viseu, Évora e Montemor-o-Novo: Vineyard.
Benavente, Azambuja e Salvaterra de Magos: Processing tomato.

Beneficiary entities | ISA - Instituto Superior de Agronomia (líder do projeto).
Benagro - Cooperativa Agrícola de Benavente, CRL (parceiro).
CCTI - Centro de Competências para o Tomate Indústria (parceiro).
FEA - Fundação Eugénio de Almeida (parceiro).
Lusovini Distribuição, S.A. (parceiro).
Reguenginho - Sociedade Agrícola, Lda. (parceiro).
Sociedade Agro-Pecuária do Vale da Adegas, S.A. (parceiro).

Approval date | 2-11-2017.

Start date | 23-11- 2017.

End date | 31-12-2021.

Total eligible costs | €396.739,22

Total eligible funding | €297.554,70

EU funding | €254.002,40

National funding | €43.552,28

Objectives, activities and expected/obtained results

- a) Develop two new agricultural products of low nitrogen (N) footprint: wine grapes and processing tomato.
- b) Optimum production for vineyards and vegetables with low N footprint.
- c) Nitrogen footprint calculator tool for each commodity.
- d) Mitigate the environmental impact of conventional agricultural practices to reduce N losses and improve water, soil and atmosphere quality.
- e) More efficient use of water and nitrogen fertilizers in fertigation operations.
- f) Create a demonstration effect in the organization of agricultural practices, aiming at the correct use of N, in a compromise between the productivity and the sustainability of the aquifers and the surrounding systems.
- g) Disseminate and add market value to raw materials that result in a differentiated agricultural product: a *low N footprint* product.
- h) Create international standards to allow any entity to apply for a *low N footprint* product.
- i) Promote a mobilizing effect to other agricultural sectors, in synergy with that achieved in the two sectors involved (processing tomato and wine).