

Designação do projeto | TERR@ALVA: Definição e influência do terroir na qualidade do vinho Alvarinho

Código do projeto | POCI-01-0145-FEDER-024328

Objetivo principal | O TERR@ALVA pretende conceber e aplicar ferramentas de zonagem para a caracterização do Território vitivinícola da Sub-Região Monção e Melgaço (SRMM) e avaliar o efeito do terroir, nos vinhos da casta Alvarinho

Região de intervenção | Norte; Centro; Alentejo.

Entidade beneficiária | Instituição Proponente: Instituto Politécnico de Viana do Castelo; Instituições Participantes: Instituto Politécnico de Beja; Instituto Politécnico de Bragança; Instituto Politécnico de Viseu e Anselmo Mendes Vinhos, Lda.

Data da aprovação | 12-06-2017

Data de início | 15-09-2017

Data de conclusão | 15-03-2019

Custo total elegível | 146 455,45 EUR

Apoio financeiro da União Europeia | **FEDER** 124 326,19 EUR

Objetivos, atividades e resultados esperados

Objetivos:

TERR@ALVA project considers natural resources/conditions, cultural (i)material heritage and socioeconomic activities (viticulural zoning) may contributes to sustainable regional strategy and methods that can be applied to other world/national viticultural regions.

Objective 1: analyse terroir effect characterizing Alvarinho wines produced in Sub-Region Monção and Melgaço (SRMM) and in other sub-regions of Vinhos Verdes Region (Basto, Lima, Cávado) and other national regions (Alentejo, Dão e Trás-os-Montes) other regions – DIFFERENTIATION factors;

Objective 2: develop a Georeferencing tool, based in Geographic Information System (GIS)- WEBGIS applied to SRMM Terroir.

keywords: Viticultural Zoning, Appellations of origin, Autochthonous grape variety, Alvarinho Geographic Information System

Atividades:

Determination of Agro-ecological conditions and natural suitability zoning at regional scale; Alvarinho vineyard suitability zoning at local scale, in Sub-Region Monção

and Melgaço (SRMM), including, analysis of occupation and Land Use Climate, Physiography, Geology; Lithology and Soils; Hydrography and Hydrology; Monitoring Phenology/vegetation indexes and cultural practices in the vineyards

Determination of must microbiome: Identification of autochthonous yeast strains with sampling for each region for the isolation and identification of autochthonous yeast strains; Construction of DNA libraries compatible with high-throughput sequencing; Sequencing and generation of taxonomic data and analysis

Chemical and sensory characterization of Alvarinho wines produced in different regions and relation with agro-ecological conditions; Multivariate analysis in order to identify the parameters of typicality of Alvarinho wine that may contribute to the terroir definition.

Resultados esperados:

TERR@ALVA aims to CONTRIBUTE to:

- define and develop new methods and tools of viticultural terroir definition (based in OIV);

- establish directly innovation bases in the origin detection tools and guarantee of wines authenticity;

- contributes to the definition of public policies and implementation of governance system of viticultural areas;

- support Alvarinho wine marketing strategies and commercial proposals as well as, development of operational decision support system related to Precision Agriculture/Viticulture.

The results aim develops greater local thematic knowledge, develop stakeholders/ research/student capacity building in production processes, promote wine and oenotourism products, contributing to land/rural development/sustainability as well as, promote individual vitivincultural projects and conservation of cultural/biological resources/heritage.