

... the objective of the SMARTAGEING project is to increase the predictability of the ageing process and the development of instruments that make it possible to significantly improve the ability to monitor, in real time, the evolution and quality of the White Port wine, but also to act on parameters determinant in this ageing process ...

PROJECT Nº:
47021

MAIN OBJECTIVE:
Reinforce research, technological development and innovation

INTERVENTION REGION:
North and Centre

APPROVAL DATE:
18-11-2020

START DATE:
01-07-2020

CONCLUSION DATE:
30-06-2023

TOTAL ELIGIBLE COST:
1 408 221,27 €

EUROPEAN UNION FINANCIAL SUPPORT:
FEDER 986 638,53 €



Decision Support System for the Ageing of White Port Wine



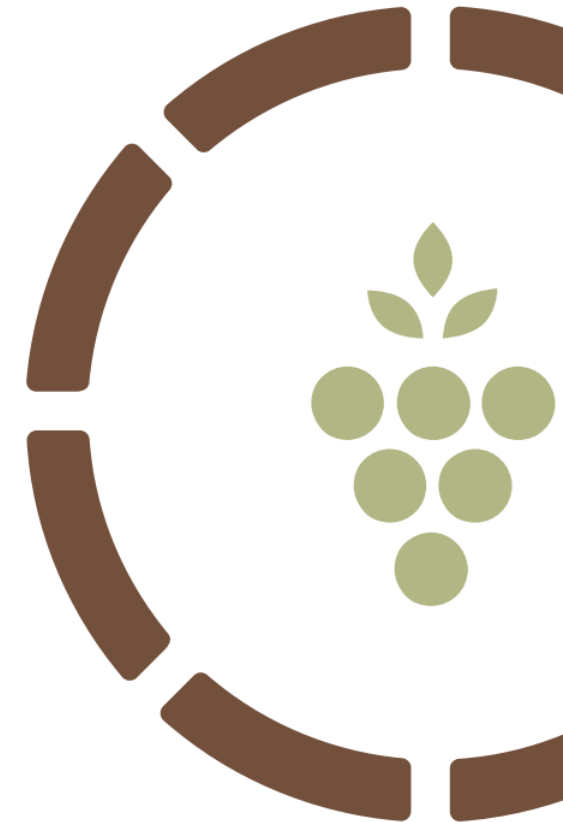
www.smartageing.pt



Cofinanciado por:



www.smartageing.pt



WHY?

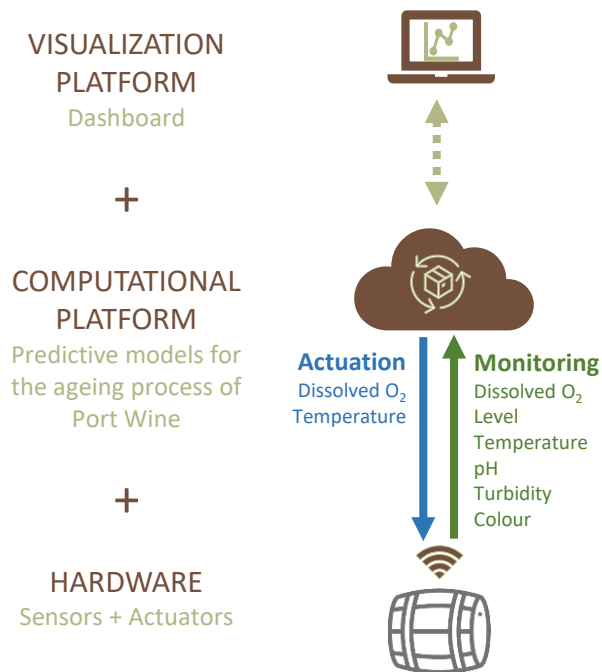
Reduced technical-scientific knowledge about the impact of intrinsic and extrinsic variables in the ageing process of White Port wine, and the factors that influence the ageing speed and the quality of the final wine.

HOW?

01-07-2020 to 30-06-2023: consortium of 4 Portuguese partners, coordinated by WATGRID, S.A.

WHAT?

Decision Support System for the ageing of White Port wine, which allows monitoring and actuate to obtain a consistent quality of the final product.



INNOVATIVE FACTORS

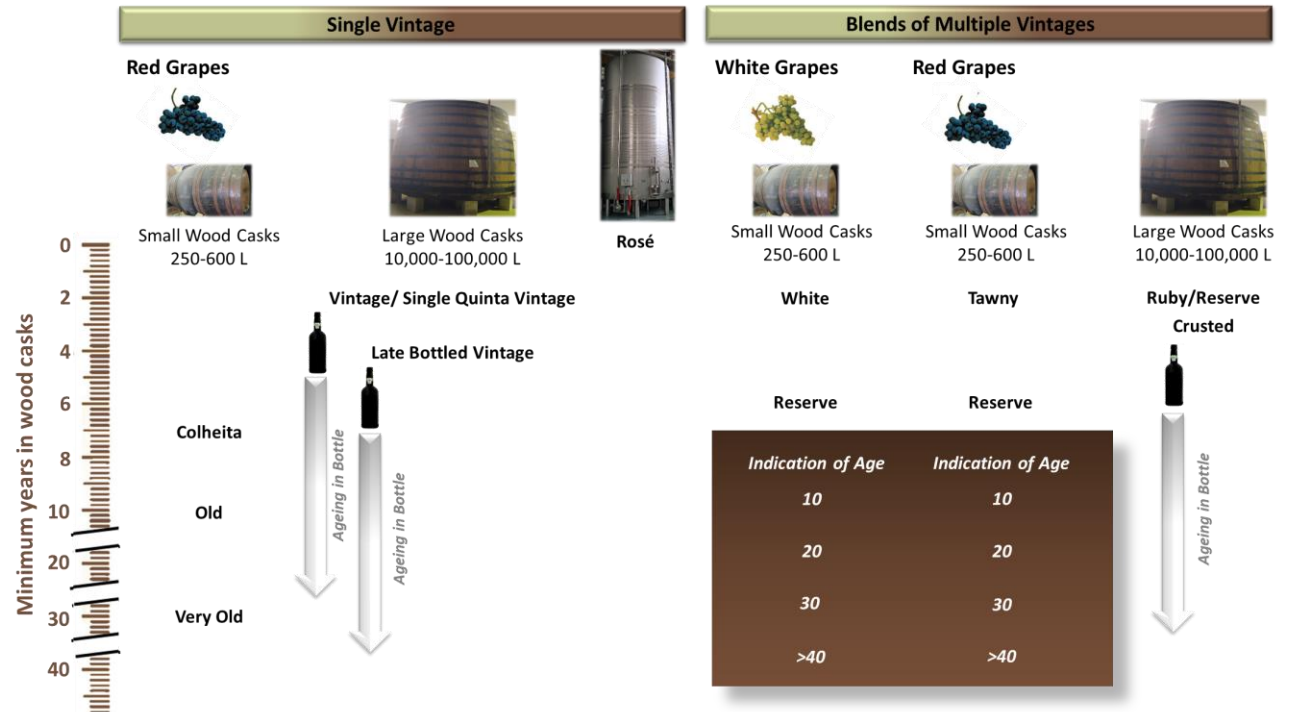
- Establishment of the impact of intrinsic and extrinsic variables on the ageing speed of White Port wine
- Monitoring system of the White Port wine ageing process
- Predictive Model of the White Port ageing process for real-time decision support of the ageing process
- Turbidity and colour monitoring system
- Actuation system for temperature and dissolved oxygen control

DOURO DEMARCATED REGION



Source: adapted from <https://doi.org/10.5772/intechopen.94900>

PORT WINES STYLES AND CATEGORIES



Source: adapted from <https://doi.org/10.5772/intechopen.94900>