Vineyards´ Integrated Smart Climate Application

www.visca.eu

3-year H2020 project, started in May 2017, budget 3,2 M€

VISCA Overview

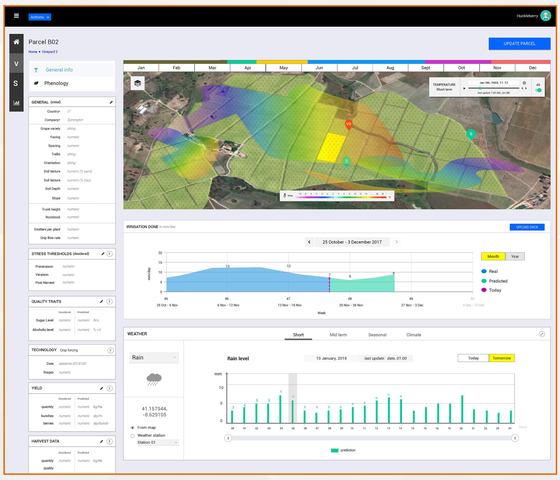
VISCA is a **Climate Service (CS)** and **Decision Support System (DSS)** that integrates **climate, agricultural** and **end-users´ specifications** to design medium- and long-term **adaptation strategies to climate change on vineyards.**

The main objective of VISCA is to **make European wine industries resilient to climate changes** while minimizing costs and risks through an improvement of the production management.

Several data sources will be integrated into a Geospatial database:

Inputs

- End-users' requirements
- Irrigation modelling data
- Phenological modelling data
- Weather (short, medium-term and seasonal) forecasting data

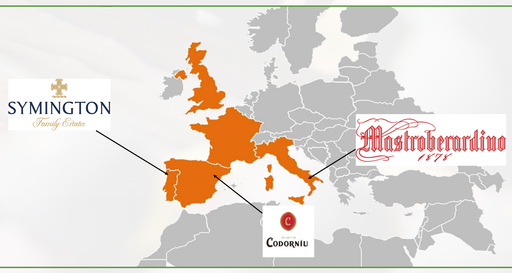


Outputs

- Supply of well-founded decisions of specific aspects of crop planning (i.e. **budburst, harvesting, defoliation, pruning, minimum water needs**, etc.). For example, VISCA tool will forecast the optimum harvesting dates, and compare it with the current state of the life cycle of the vineyards!
- Warning against (short-term) extreme events
- Historical and future projections on the effects of climate change over phenological events

VISCA Demo-sites

- Spain (Codorniu)
- Italy (Mastroberardino)
- Portugal (Symington)



VISCA Partners

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