

## VISCA Overview (3-year H2020 project, started in May 2017, budget 3,2 M€)

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:

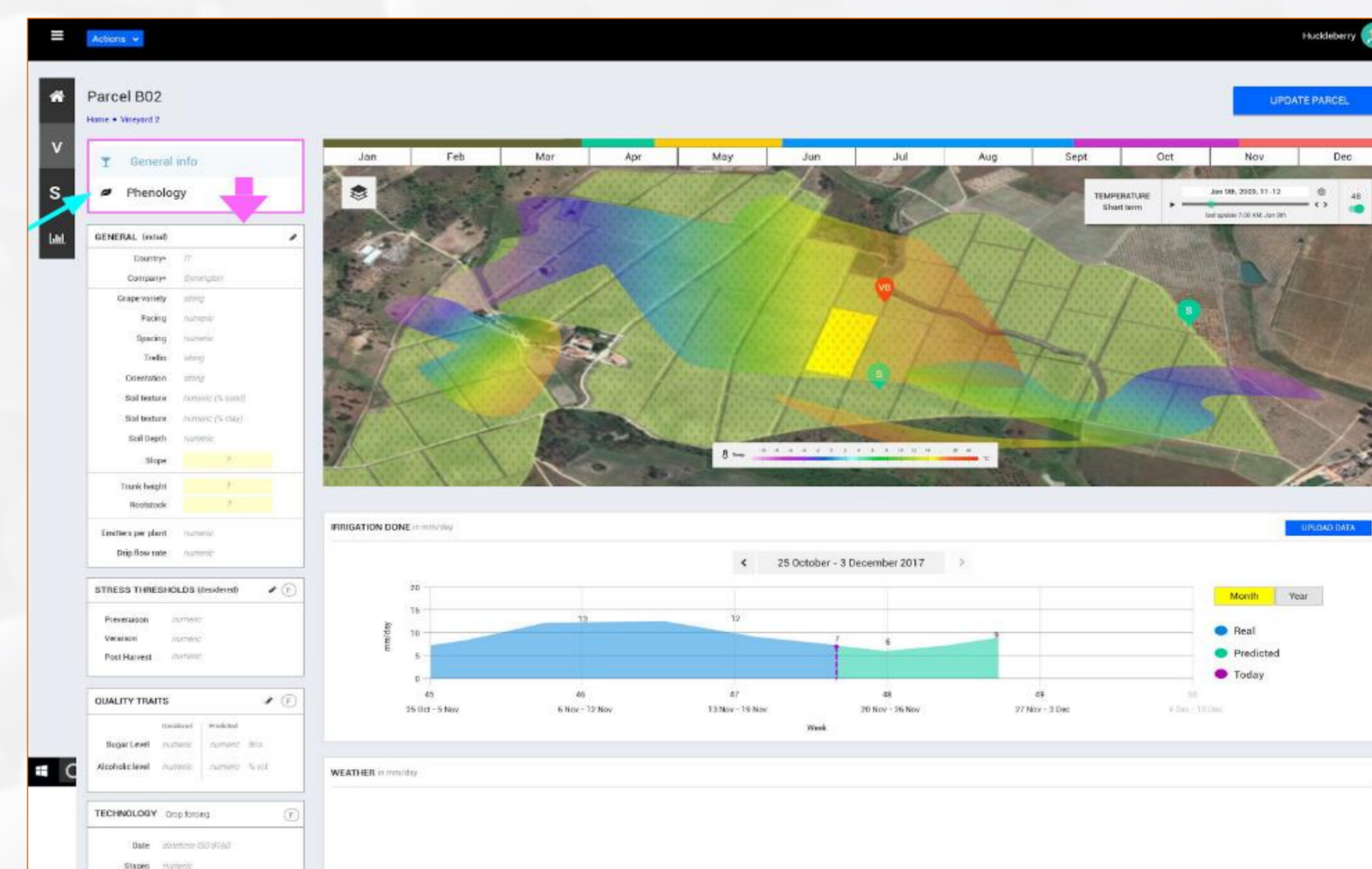
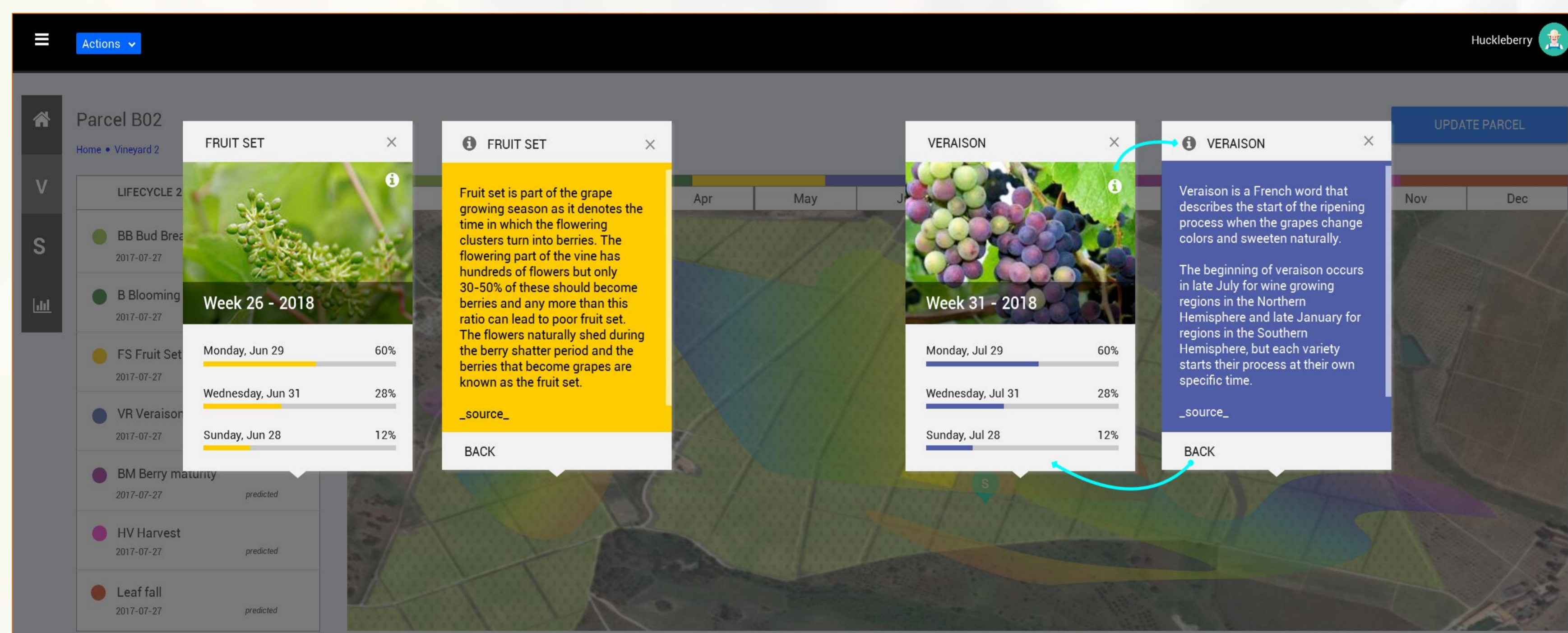
### Inputs

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



### Outputs

- Supply of well-founded decisions of specific aspects of crop planning (**budburst, harvesting, defoliation, pruning, minimum water needs, etc.**).
- Short, medium-term and seasonal weather forecasting
- Warning against (short-term) extreme events
- Historical and future projections on the effects of climate change over phenological events.



VISCA tool will forecast the optimum harvesting dates according to the technology applied (Crop Forcing or Shoot Trimming)

## VISCA Demo-sites

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



## VISCA Consortium



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