



WHO ARE VISCA PARTNERS?



- **METEOSIM**, Spain (SME)
- **BSC**, Spain (Research center)
- **CODORNÍU**, Spain (Large industry, end - user)
- **IRTA**, Spain (Research center)
- **ISMB**, Italy (Research center)
- **UNAP**, Italy (University)
- **Mastroberardino**, Italy (SME, end-user)
- **Symington**, Portugal (Large industry, end - user)
- **UORTO**, Portugal (University)
- **SEMIDE**, France (NGO)
- **Alpha**, UK (SME)



STAY IN TOUCH WITH VISCA PROJECT!

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WWW.VISCA.EU

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CONTACT VISCA MANAGEMENT TEAM

Mr. Josep Maria Sole

VISCA project coordinator
Meteosim SL
PHONE: +34 6 29 97 82 23
EMAIL: jmsole@meteosim.com

Mr. Eric MINO

VISCA project communication manager
UT SEMIDE/ EMWIS UT
PHONE: +33 4 92 94 22 91
EMAIL: e.mino@semide.org



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VISCA

BUDGET 3.20 M€
MAY 2017 - APRIL 2020

VINEYARDS' INTEGRATED SMART CLIMATE APPLICATION



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VISCA 'Vineyards' Integrated Smart Climate Application' is an R&I project co-funded under the Horizon 2020 programme of the European Union.



VISCA will provide a Climate Service (CS) and Decision Support System (DSS) that integrate climate, agricultural and end-users' specifications in order to design medium- and long-term adaptation strategies to climate change.

VISCA Services are validated by real demonstrations with end users on three demo sites in Spain, Italy and Portugal:

- Weather forecasting/Extreme events
- Seasonal Forecasting
- Climate projections

These services are demonstrated while testing different management techniques such as crop forcing or shoot trimming and an irrigation scheduling tool.

VISCA aims to make European wine industries resilient to climate changes while minimizing costs and risks through an improvement of the production management (quality and quantity of final product) and evaluating its replicability to other high-added value agriculture sectors.

THE OBJECTIVES TO BE ACHIEVED:

- Development of a tool that supplies climate-informed advices to the wine industry.
- Demonstration of the strategic adaptation decisions supplied by this tool in the vineyards.
- Definition of an action plan to tackle barriers and opportunities for the full deployment of VISCA.
- Evaluation of the replicability potential in other relevant sectors at international level.



SPAIN (CODORNIU)

Size: 7 ha (demo area)

Climate: Annual rainfall (300 - 450mm) - continental climate (av. 15°C)

Grape variety: Chardonnay and Tempranillo

Soil composition: Lutites with sandstone



ITALY (MASTROBERARDINO)

Size: 1 ha (demo area)

Climate: Annual rainfall 750 mm - continental climate (up to 20 °C)

Grape variety: Aglianico

Soil composition: Deep soil of volcanic origin with layers of clay and traces of limestone



PORTUGAL (SYMINGTON)

Size: 2.7 ha (demo area)

Climate: annual rainfall 500 mm av at Ota Ataíde - continental climate (11.8 -16.5° C)

Grape variety: Touriga Nacional

Soil composition: Sandy-loam and loam

