Session 4







Towards a fire smart landscape: understanding wine sector

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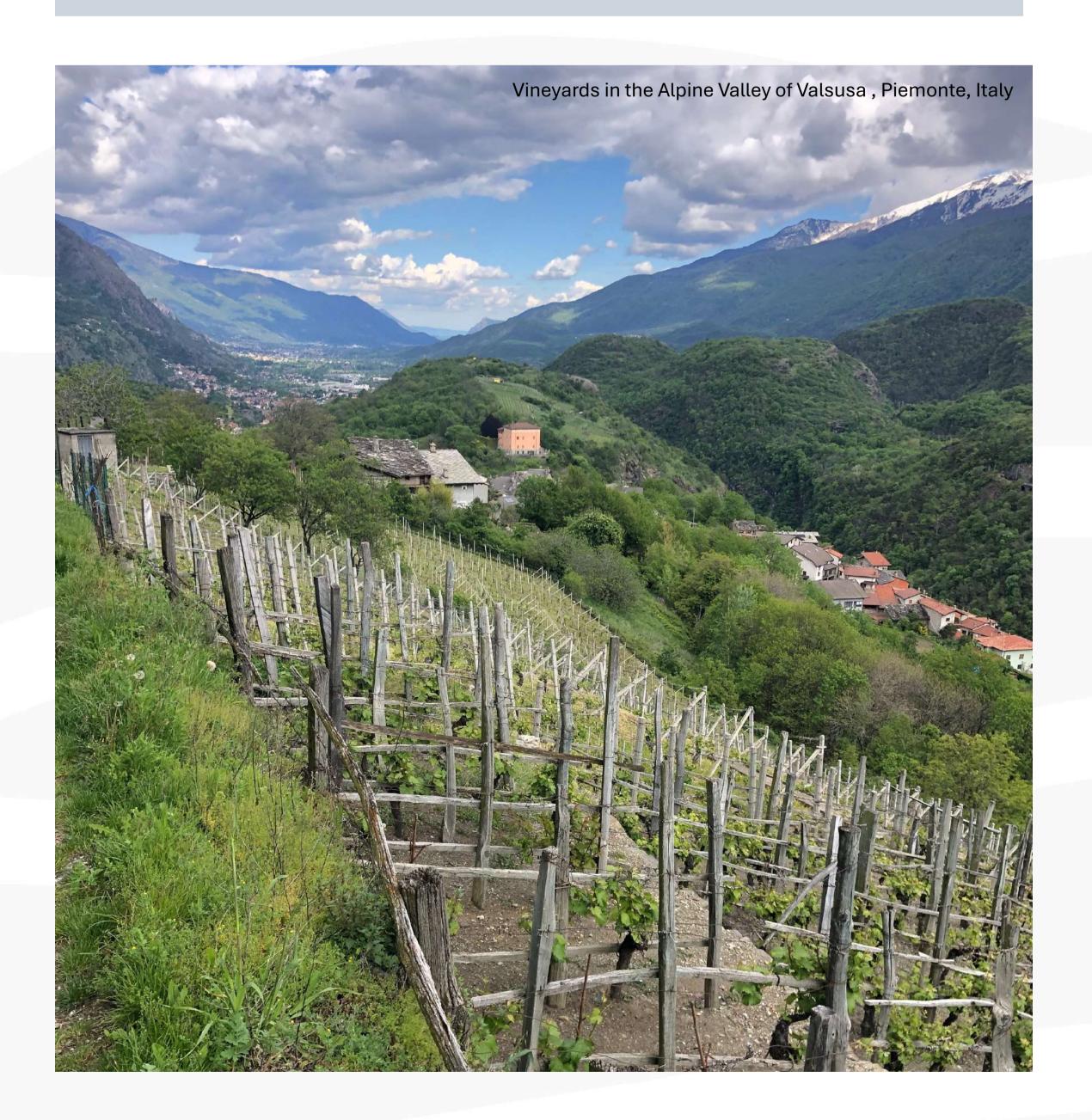
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- Wildfires represent a recurrent threat to Mediterranean forests.
 Agricultural parcels amidst the forested landscape constitute a
 key fuel discontinuity, which is a crucial infrastructure for the fire
 responders to attack with security, and/or to modify the wildfire
 spread behaviour. Maintaining those fields active constitute a
 security service to parts of the landscape (WUI-homes, parcels of
 forests).
- Yet, northern Mediterranean (particularly mountain) agriculture is progressively being abandoned, thus increasing forest continuity and consequently the risk of larger wildfires. The abandonment of agricultural land is accelerating because of the ageing of the farming population and the small size of the new projects of Neorural population. Then we have been able to observe during 21st century a deep change in agriculture social and physical landscape that will go on evolving these 20 next years.

Research questions

- **RQ1:** Which are the productive factors of vineyard managers and wine producers that relate to wildfire risk? Which are their concerns?
- **RQ2:** Are them interested in engaging in fire-reduction measures?
- RQ3: What is the existing support of administrations in this field? Is it necessary to improve it and how?



Methodology Online survey (2023) in wine sector of France, Spain, Italy, Portugal: 323 responses, 158 fulfilled In depth interviews (landscape managers, wine makers) and field visits in wine territories that suffered wildfires events in Mediterranean Spain, Portugal, Italy and France (2021-2024) La Coruña 🔾 9 DO Monterrei 2345 Alt Penedès AOC Terrasses du Larzac 2 DO Montsant 3 Pôle DFCI ONF Hérault 3 DO Priorat ONF Pyrénées Orientales 4 DO Bages 5 DO Penedes Stake-**Designa** 6 AOC La Clape tion of holders 7 AOC Pic Saint Loup 8 DO Bierzo 9 DO Monterrei 10 DO Valdeorras Xunta de Galicia, Consellería do 8 Parc Serralada Littoral 11 DO Ribeira Sacra 12 DO Costers del Segre 12 Asociación Bierzo Vivo 9 Serra de Llaberia 13 DO Beira interior 14 DO & COLAB Dão 15 UNCEM. Valle Chisone 15 Ayuntamiento 16 Association Usbirru 17 Dipartimente de protezione civile

Results

- Part of vineyard managers show concerns about wildfires in Mediterranean vineyards.
- →Spain: 85% →Portugal 65% →France: 58% →Italy: 55%.

Reasons are: potential losses in their yields or organoleptic characteristics (smoke taint), potential reduction of their scenic beauty linked to their wine tourism and marketing (A large portion of the respondents declare counting with wine tourism as a side-activity), general awareness to their territory.

- In some wine regions, rural landowners own both agricultural & forest parcels. Forest parcels tend to be managed with lower intensity –due to limited knowledge, or limited profitability. Bridging both agriculture and forest domains represents anyhow an opportunity to engage in risk-reduction practices. (8% of vineyard managers are part of a forest owner association in Spain, 5% in France, none in Italy).
- But: Wine producers don't know well about forest management, even if they are owner of forest. Many don't know about existing financial support (>60% in France and Spain).
- Isolated wine plots in forest suffer hard production conditions (wild fauna, long distance in case of treatments, competition of trees in case of dryness).
- Profitability is main factor for their maintenance.
- In the interviews, economy and landscape management (urban sprawl, renewable energy development) seem to have priority with regard to fire risk.
- Behind similar landscapes there are huge differences: land register, wine economy, type and size of cellars, wine makers and wine producers. This heterogeneity complicates landscape and fire risk management. More: there is a loss of trust from wine growers towards administrations.
- There is an interest for developing a brand distinguishing wine makers engaged in fire risk prevention. Not so
 focused on increasing sales.