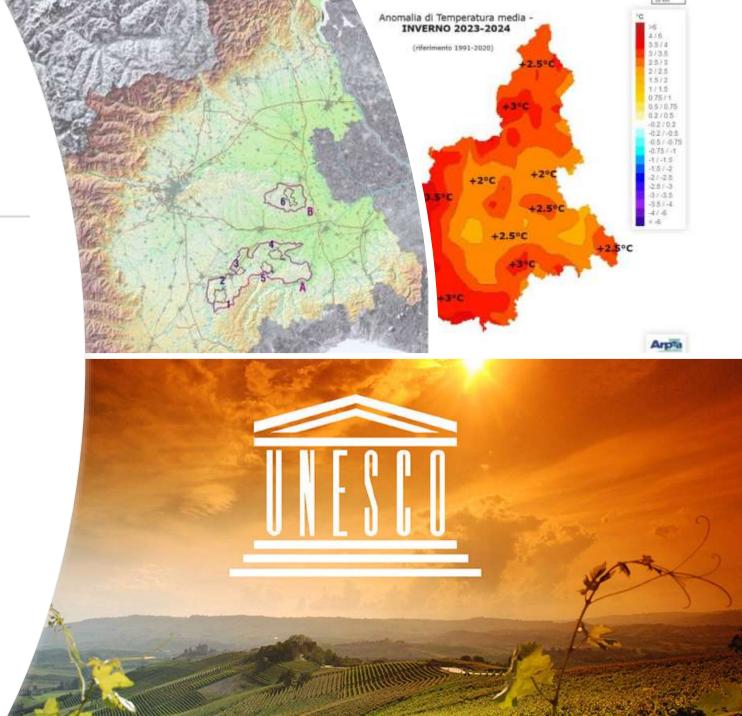




UNESCO LANGHE ROERO AND MOFERRATO

- From 2014
- 10,789 hectares
- 29 municipalities
- larger protected area 101 municipalities.
- 11 DOCG
- 12 DOC

Areas heavily affected by climate change



SUSTAINABLE

Vision: A systemic transformation that aligns viticature with environmental and social needs, ensuring long-term prosperity for future generations.

KEY PILLARS

- 1.Environmental Sustainability Efficient resource use (water, soil, biodiversity), reduction of greenhouse gas emissions and pesticides, adoption of regenerative agriculture and precision viticulture.
- 2.Social Responsibility Fair working conditions, support for local communities, supply chain transparency, and preservation of cultural and landscape heritage.
- 3.Economic Resilience Sustainable business models, fair market access, value-added strategies, and





Main
Innovatio
n Drivers

Quality research, better varietal expression.

1980 - ...

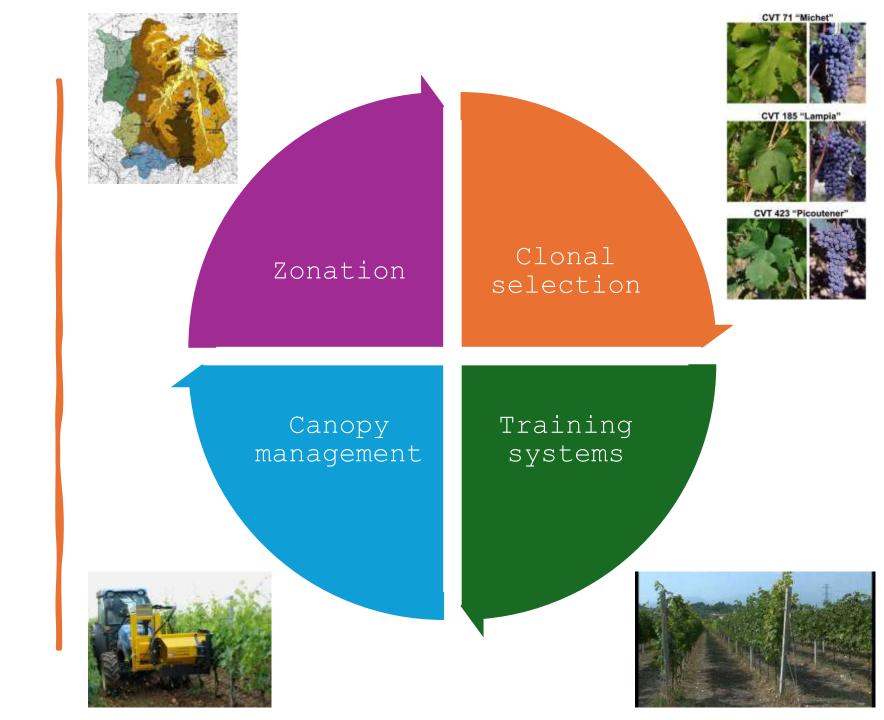
Improvement of viticulture sustainability

1990 - ...

Climate change damages mitigation 2010 - ...



Quality
research
for
better
varietal
expression





Sustainabi lity improvemen t





Climate change damages mitigation





Climate Change and Viticulture: Hail

Nets as a tool to control the microclimate of the grape clusters.



Colored Anti-Hail Nets Modify the Ripening Parameters of Nebbiolo and a Smart NIRS can Predict the Polyphenol Features

Alberto Cugnetto ¹, Giorgio Masoero ¹

¹Accademia di Agricoltura di Torino, Via A. Doria 10, 10123 Torino (Italy).



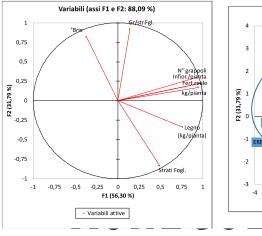


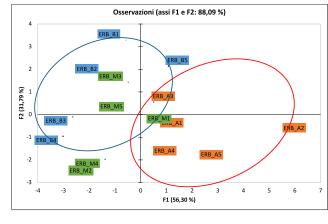






Erbaluce Tenuta Roletto CLASSI NDVI 2021





Sentinel-2 in Erbaluce and Nebbiolo vineyards

Alberto Cugnetto, Giorgio Masoero, Giuseppe Sarasso Enrico Borgogno Mondino

Conclusions

Tadition vs Innovation: Acceptability of these innovations and their diffusion among producers

Are the GI and UNESCO specifications in question a constraint?





Thanks for

the attention!