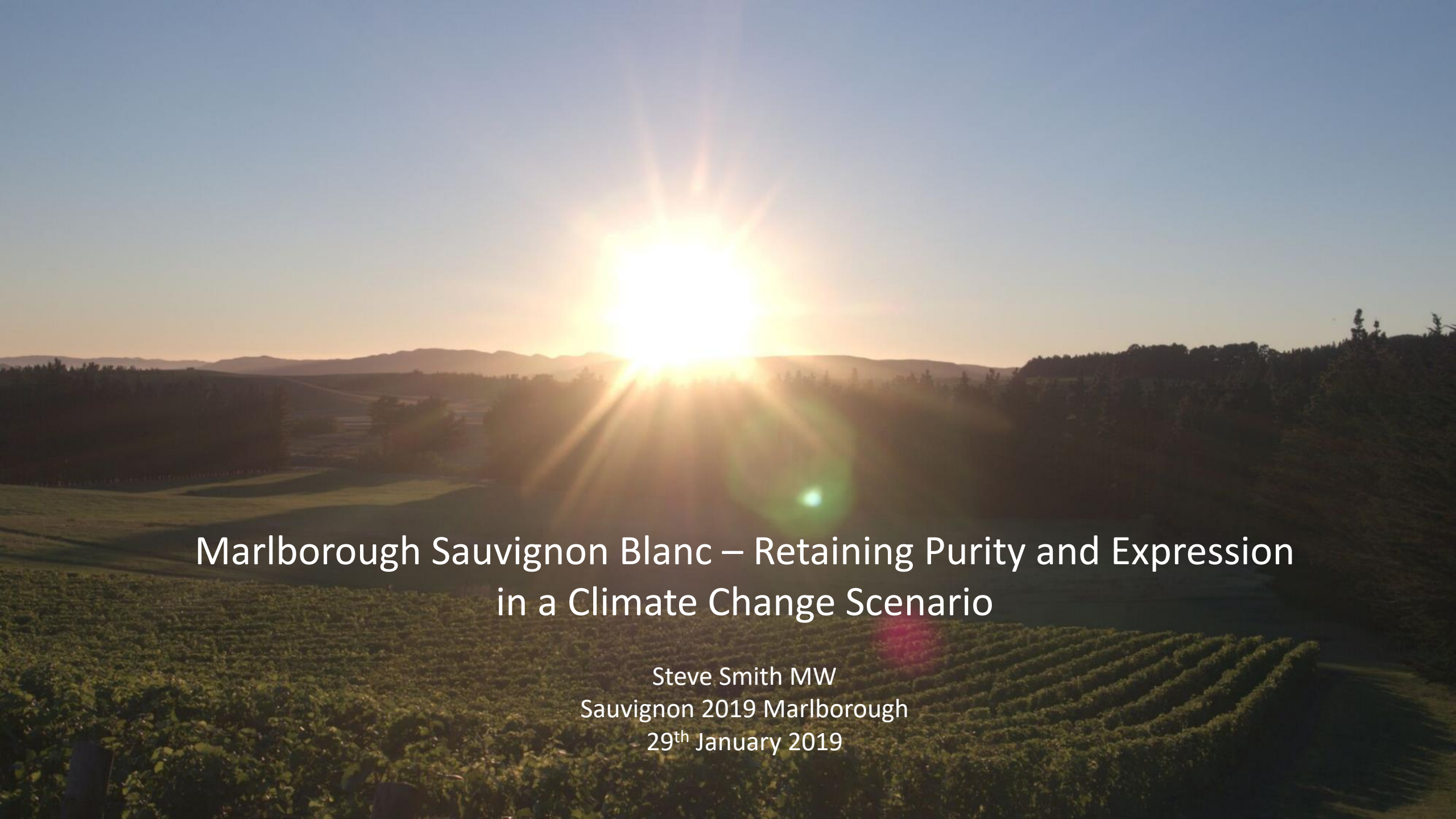


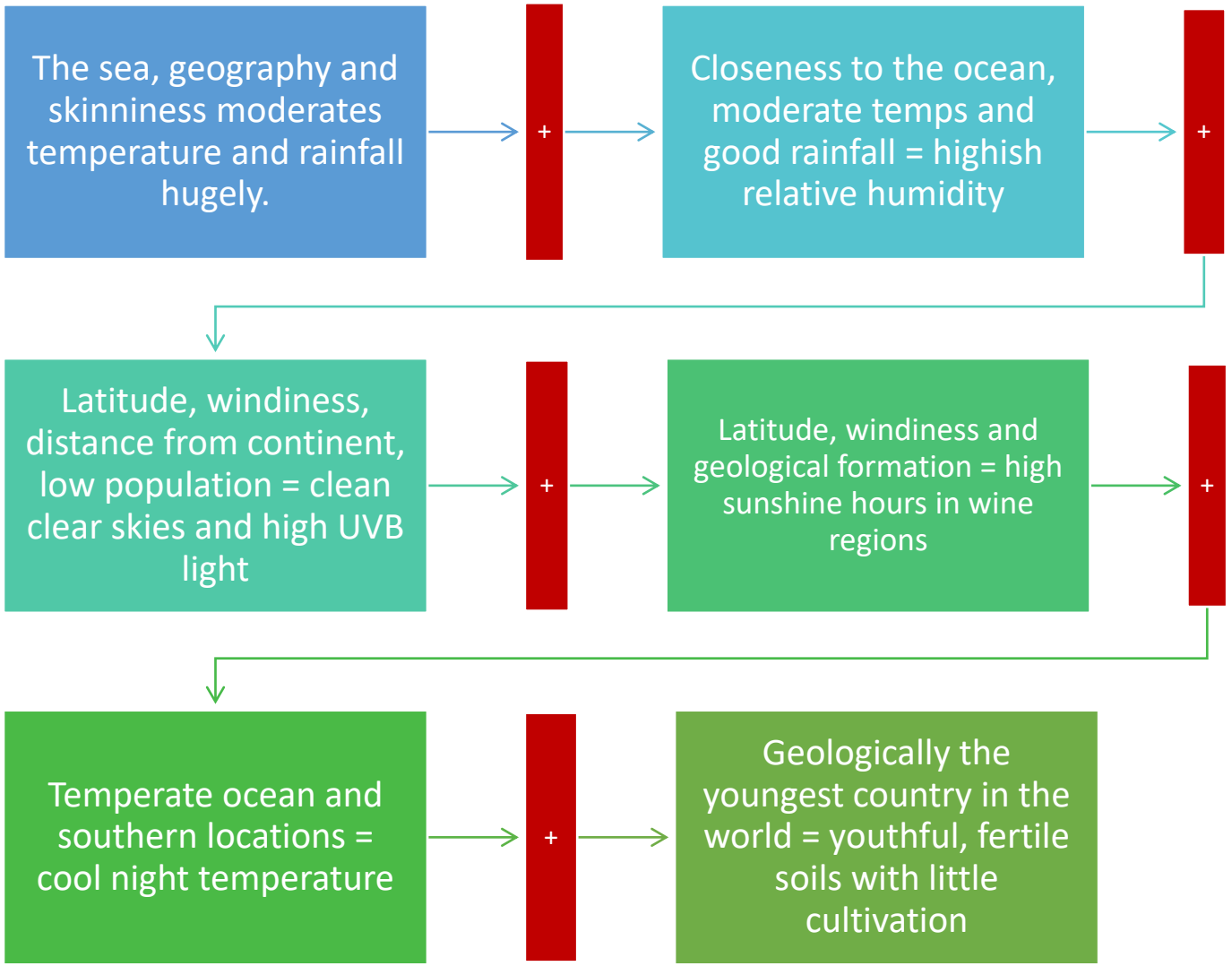
Marlborough Sauvignon Blanc – Retaining Purity and Expression in a Climate Change Scenario

Steve Smith MW

Sauvignon 2019 Marlborough

29th January 2019

Aotearoa New Zealand – Defining our Place



FUNNY OR DIE

Marlborough in 2040

Mean Temperature + 0.5 – 1.0C	Mean Minimum Temperature + 0 – 1.0C	Mean Maximum Temperature + 0 – 1.0C	Hot Days (>25C) + 10-15 days esp Dec & Jan
Frost Days + - 1 day in Sept	GDD + 75 – 100 GDD	Heatwaves (> 3 days above 25C) + 10 -15 days in Jan	Rainfall Nov – Jan 30% Less
Rainfall Feb & Apr 20% more	Rainfall Max I Day +10mm in Apr	Rainfall Max 5 Day Incr in Feb & Apr	Wet Days Decrease
Evapotranspiration Increase	Soil Moisture Incr Sept to Nov Decr Jan thru April	Relative Humidity Decr Inland Incr Coastal	Solar Radiation Incr Nov – Jan Decr April

What Does this All Mean in the Vineyard Climate

Its going to be warmer with more energy in the system

More rainfall at a time we don't need it

Less Rainfall when we do need it

Periods of warmer heavier rain when we don't want it

Increased heatwaves, maximum temperatures, lower RH

Protecting the Future of Marlborough Sauvignon Blanc

#1 Priority

Build world leading knowledge and capability in understanding the impact of climate change relevant environmental factors on the creation and manipulation of aroma, flavor, acid and textural compounds in cool to temperate white grape varieties with a specific focus on Sauvignon Blanc

WTF Can We Really Do !

- Invest in Water Security
- Make Water Use More Efficient
- Evaluate Rootstocks Properly
- Understand & Preserve Sauvignon Blanc Clonal Heritage
- Embrace Genetics
- Be World Class at Managing Botrytis in Sync with Nature
- Earn the Right for Higher Value for Every Litre we Produce
- Develop World Leading Precision Vineyard Management Systems to Capture the Value.